**Supplemental Materials of   
TSH and FT4 reference interval recommendations in pregnancy: optimization of current methods**

[Supplemental table 1 – Maternal demographics and characteristics per cohort 2](#_Toc162021124)

[Supplemental table 2 – Prevalence of thyroid disease per cohort – first trimester 4](#_Toc162021125)

[Supplemental table 3 – Prevalence of thyroid disease per cohort - second trimester 5](#_Toc162021126)

[Supplemental table 4 – Overview of cohort specific reference limits 6](#_Toc162021127)

[Supplemental table 5 - Cohort region and iodine status at time of blood sampling 7](#_Toc162021128)

[Supplemental table 6 - Assay information per cohort 8](#_Toc162021129)

[Prospero registration 9](#_Toc162021130)

[Supplemental acknowledgements and grant details 11](#_Toc162021131)

[Newcastle – Ottawa Quality Assessment Scale Cohort Studies 13](#_Toc162021132)

[Supplemental table 7 – Diagnostic performance for overt hypothyroidism with relative modifications in first trimester 14](#_Toc162021133)

[Supplemental table 8 – Diagnostic performance for subclinical hypothyroidism with relative modifications in first trimester 15](#_Toc162021134)

[Supplemental table 9 – Diagnostic performance for overt hypothyroidism with absolute modifications in first trimester 17](#_Toc162021135)

[Supplemental table 10 – Diagnostic performance for subclinical hypothyroidism with absolute modifications in first trimester 20](#_Toc162021136)

[Supplemental table 11 – Diagnostic performance for overt hypothyroidism with fixed limits in first trimester 22](#_Toc162021137)

[Supplemental table 12 – Diagnostic performance for subclinical hypothyroidism with fixed limits in first trimester 25](#_Toc162021138)

[Supplemental table 13 – Diagnostic performance for overt hypothyroidism with relative modifications in second trimester 29](#_Toc162021139)

[Supplemental table 14 – Diagnostic performance for subclinical hypothyroidism with relative modifications in second trimester 31](#_Toc162021140)

[Supplemental table 15 – Diagnostic performance for overt hypothyroidism with absolute modifications in second trimester 33](#_Toc162021141)

[Supplemental table 16 – Diagnostic performance for subclinical hypothyroidism with absolute modifications in second trimester 35](#_Toc162021142)

[Supplemental table 17 – Diagnostic performance for overt hypothyroidism with fixed limits in second trimester 37](#_Toc162021143)

[Supplemental table 18 – Diagnostic performance for subclinical hypothyroidism with fixed limits in second trimester 41](#_Toc162021144)

[Supplemental table 19 – Diagnostic performance for treatment indication with relative modifications in first trimester 44](#_Toc162021145)

[Supplemental table 20 – Diagnostic performance for treatment consideration with relative modifications in first trimester 46](#_Toc162021146)

[Supplemental table 21 – Diagnostic performance for treatment indication with absolute modifications in first trimester 48](#_Toc162021147)

[Supplemental table 22 – Diagnostic performance for treatment consideration with absolute modifications in first trimester 50](#_Toc162021148)

[Supplemental table 23 – Diagnostic performance for treatment indication with fixed limits in first trimester 52](#_Toc162021149)

[Supplemental table 24 – Diagnostic performance for treatment consideration with fixed limits in first trimester 56](#_Toc162021150)

[Supplemental table 25 – Diagnostic performance for treatment indication with relative modifications in first second 59](#_Toc162021151)

[Supplemental table 26 – Diagnostic performance for treatment consideration with relative modifications in second trimester 61](#_Toc162021152)

[Supplemental table 27 – Diagnostic performance for treatment indication with absolute modifications in second trimester 63](#_Toc162021153)

[Supplemental table 28 – Diagnostic performance for treatment consideration with absolute modifications in second trimester 65](#_Toc162021154)

[Supplemental table 29 – Diagnostic performance for treatment indication with fixed limits in second trimester 67](#_Toc162021155)

[Supplemental table 30 – Diagnostic performance for treatment consideration with fixed limits in second trimester 70](#_Toc162021156)

# 

# **Supplemental table 1 – Maternal demographics and characteristics per cohort**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cohort** | **N** | **Age (years)** | **Gestational age (weeks)** | **BMI** | **Active smoking - yes** | **Parity = 0** | **Parity = 1\*** | **Parity = 2** | **Parity = 3 or more** |
| ABCD (Netherlands) | 4101 | 30.9 (4.8) | 12.9 (4.1-26.9) | 23.9 (3.7) | 383 (9.3%) | 2354 (57.4%) | 1281 (31.2%) | 346 (8.4%) | 120 (2.9%) |
| ALSPAC (United Kingdom) | 4568 | 28.1 (4.8) | 10 (0-26) | 22.9 (3.7) | 1025 (24%) | 1936 (42.4%) | 1443 (31.6%) | 587 (12.9%) | 602 (13.2%) |
| Aminorroaya et al. (Iran) | 350 | 28.8 (5) | 9.6 (5-14.3) | 25.2 (4.1) | Missing | 159 (38.9%) | 199 (48.7%) | 35 (8.6%) | 16 (3.9%) |
| Ashoor et al. (United Kingdom) | 5011 | 31.9 (5.8) | 12.4 (11-15.6) | 25.7 (4.9) | 446 (8.9%) | 2405 (48%) | 2606 (52%) | Missing | Missing |
| Bliddal et al. (Denmark) | 1043 | 31.1 (4.3) | 11.3 (6-20.1) | 22.7 (4.2) | 65 (6.1%) | 530 (57.4%) | 306 (33.2%) | 87 (9.4%) | Missing |
| Chen et al. (China) | 3835 | 27 (3.7) | 16.4 (2.1-26.9) | Missing | 12 (0.3%) | 3226 (84.1%) | 594 (15.5%) | 14 (0.4%) | 1 (0%) |
| FASTER (USA) | 9562 | 29.5 (5.5) | 12.6 (11.1-13.9) | 24.7 (5) | 293 (3.1%) | 4000 (41.8%) | 2988 (31.3%) | 1522 (15.9%) | 1048 (11%) |
| Generation R (Netherlands) | 5609 | 29.7 (5.1) | 13.2 (4.5-17.9) | 24.5 (4.4) | 931 (18.7%) | 3194 (57.5%) | 1653 (29.7%) | 512 (9.2%) | 199 (3.6%) |
| GIRONA1 (Spain) | 260 | 30.5 (5) | 26 (13.6-26.9) | 26.6 (4.4) | 37 (25.5%) | 108 (50.7%) | 105 (49.3%) | Missing | Missing |
| GIRONA2 (Spain) | 330 | 30.9 (4.6) | 25.6 (22.6-26.9) | 26.3 (3.9) | 47 (14.4%) | 175 (53%) | 116 (35.2%) | 39 (11.8%) | Missing |
| HAPPY (Netherlands) | 2105 | 30.3 (3.7) | 12 (10.4-13.7) | 23.8 (3.9) | 140 (7.4%) | 1039 (49.4%) | 830 (39.5%) | 204 (9.7%) | 30 (1.4%) |
| Ma'anshan Birth Cohort Study (China) | 3292 | 26.7 (3.7) | 10 (4-16) | 20.8 (2.8) | 12 (0.4%) | 2949 (89.6%) | 325 (9.9%) | 18 (0.5%) | Missing |
| NFBC1986 (Finland) | 5706 | 27.6 (5.4) | 10 (2-26) | 22.2 (3.4) | 143 (2.5%) | 1910 (33.6%) | 1927 (33.9%) | 1035 (18.2%) | 815 (14.3%) |
| Popova et al. (Russia) | 376 | 29.4 (4.7) | 11 (5-17) | 23.8 (4.9) | 115 (24.8%) | 287 (62%) | 138 (29.8%) | 34 (7.3%) | 4 (0.9%) |
| Poppe et al. (Belgium) | 1427 | 30.1 (5.8) | 12 (3-26) | 25.7 (4.7) | 199 (13.9%) | 504 (35.3%) | 465 (32.6%) | 278 (19.5%) | 180 (12.6%) |
| Rhea (Greece) | 944 | 29.1 (5) | 13 (4-26) | 25.1 (4.6) | 147 (16.9%) | 379 (41.6%) | 353 (38.7%) | 143 (15.7%) | 37 (4.1%) |
| Western Australia | 2411 | 31 (5.2) | 11.1 (9-13.9) | Missing | 236 (9.8%) | Missing | Missing | Missing | Missing |
| Wijnen & Pop (Netherlands) | 1566 | 30.4 (3.6) | 12 (11-13) | 25.5 (4.3) | 149 (9.5%) | 567 (45.7%) | 674 (54.3%) | Missing | Missing |
| **Total** | **52496** | **29.3 (5.2)** | **12.3 (0-26.9)** | **24 (4.5)** | **4380 (8.6%)** | **25192 (50.8%)** | **16227 (32.7%)** | **5073 (10.2%)** | **3139 (6.3%)** |

*Data is presented as mean (standard deviation) or count (percentage), as appropriate. \*Parity is 1 (or more), parity may be more when data for parity = 2 and parity = 3 is missing.*

**Supplemental table 1 – continued**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cohort** | **Ethnicity native** | **Education Primary** | **Education Secundary** | **Education Higher** | **TSH mU/L** | **FT4 pmol/L** | **TPOAb positivity** |
| ABCD (Netherlands) | 2464 (60.1%) | 2354 (57.4%) | 1281 (31.2%) | 346 (8.4%) | 1.2 (0.1-3.6) | 9.5 (7.2-12.8) | 247 (6%) |
| ALSPAC (United Kingdom) | 4568 (100%) | 1936 (42.4%) | 1443 (31.6%) | 587 (12.9%) | 1 (0.1-3.2) | 16.2 (12.4-22.4) | 541 (12.1%) |
| Aminorroaya et al. (Iran) | 409 (100%) | 159 (38.9%) | 199 (48.7%) | 35 (8.6%) | 1.5 (0.2-5) | 12.9 (9-16.7) | 70 (17.1%) |
| Ashoor et al. (United Kingdom) | 3495 (69.7%) | 2405 (48%) | 2606 (52%) | Missing | 1.2 (0-4.1) | 14.8 (11.3-20.8) | 483 (9.6%) |
| Bliddal et al. (Denmark) | 1058 (96.1%) | 530 (57.4%) | 306 (33.2%) | 87 (9.4%) | 1.4 (0.1-4.2) | 14.4 (11.3-18.9) | 174 (15.8%) |
| Chen et al. (China) | 3835 (100%) | 3226 (84.1%) | 594 (15.5%) | 14 (0.4%) | 1.3 (0.2-3.8) | 9.6 (6.5-14.3) | 234 (6.2%) |
| FASTER (USA) | 167 (1.7%) | 4000 (41.8%) | 2988 (31.3%) | 1522 (15.9%) | 1.1 (0-3.9) | 14.2 (10.4-18.9) | 894 (9.3%) |
| Generation R (Netherlands) | 3036 (54.1%) | 3194 (57.5%) | 1653 (29.7%) | 512 (9.2%) | 1.3 (0-4.5) | 12 (8.4-17.9) | 299 (5.7%) |
| GIRONA1 (Spain) | 260 (100%) | 108 (50.7%) | 105 (49.3%) | Missing | 1.9 (0.5-4.3) | 11.5 (8.9-15.2) | 33 (13%) |
| GIRONA2 (Spain) | 330 (100%) | 175 (53%) | 116 (35.2%) | 39 (11.8%) | 2.2 (0.6-4.6) | 12.1 (9.6-15.8) | 23 (7.8%) |
| HAPPY (Netherlands) | 2144 (100%) | 1039 (49.4%) | 830 (39.5%) | 204 (9.7%) | 1.4 (0.2-4.4) | 14.3 (11.4-18) | 171 (8%) |
| Ma'anshan Birth Cohort Study (China) | 3292 (100%) | 2949 (89.6%) | 325 (9.9%) | 18 (0.5%) | 1.6 (0-6) | 16.7 (12.6-23.8) | 427 (13%) |
| NFBC1986 (Finland) | 5706 (100%) | 1910 (33.6%) | 1927 (33.9%) | 1035 (18.2%) | 1.2 (0.1-4.5) | 15.1 (11.4-22.7) | 272 (4.8%) |
| Popova et al. (Russia) | 467 (100%) | 287 (62%) | 138 (29.8%) | 34 (7.3%) | 1.4 (0.1-4.5) | 14.8 (11.7-20.3) | 52 (11.1%) |
| Poppe et al. (Belgium) | 375 (26.3%) | 504 (35.3%) | 465 (32.6%) | 278 (19.5%) | 1.3 (0-3.3) | 14.2 (10.3-18) | 86 (6%) |
| Rhea (Greece) | 944 (100%) | 379 (41.6%) | 353 (38.7%) | 143 (15.7%) | 1.1 (0.1-3.4) | 15.3 (11.3-20.3) | 86 (9.1%) |
| Western Australia | 2411 (100%) | Missing | Missing | Missing | 0.8 (0-2.8) | 13 (10-18) | 252 (10.5%) |
| Wijnen & Pop (Netherlands) | 1566 (100%) | 567 (45.7%) | 674 (54.3%) | Missing | 1.1 (0.1-3.3) | 15.9 (11.9-20.7) | 139 (8.9%) |
| **Total** | **1058 (2%)** | **25192 (50.8%)** | **16227 (32.7%)** | **5073 (10.2%)** | **1.2 (0.1-4.2)** | **14 (8-20.3)** | **4483 (8.6%)** |

*Data is presented as mean (standard deviation) or count (percentage), as appropriate.*

**Supplemental table 2 – Prevalence of thyroid disease per cohort – first trimester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Prevalence of disease** |  | **Non-pregnancy reference intervals** | | | | | **Trimester specific approach** | | | | |
| **Cohort** | **N** | **Overt hypothyroidism** | **Subclinical hypothyroidism** | **Hypothyrox-inemia** | **Subclinical hyperthyroidism** | **Overt hyperthyroidism** | **Overt hypothyroidism** | **Subclinical hypothyroidism** | **Hypothyrox-inemia** | **Subclinical hyperthyroidism** | **Overt hyperthyroidism** |
| ABCD (Netherlands) | 2064 | 0.15 | 0.39 | 1.5 | 7.9 | 0.05 | 0.73 | 3.44 | 2.23 | 1.11 | 1.36 |
| ALSPAC (United Kingdom) | 3311 | 0.18 | 0.76 | 0.06 | 7.19 | 4.65 | 0.79 | 3.62 | 2.02 | 1.24 | 1.03 |
| Aminorroaya et al. (Iran) | 350 | 0.29 | 1.14 | 10.57 | 6.86 | 0.29 | 0 | 4 | 0 | 0 | 1.43 |
| Ashoor et al. (United Kingdom) | 3925 | 0.03 | 0.97 | 0.08 | 8.74 | 0.43 | 0.41 | 3.77 | 1.89 | 1.63 | 0.74 |
| Bliddal et al. (Denmark) | 1043 | 0.67 | 1.73 | 5.85 | 4.03 | 0.58 | 0.58 | 3.36 | 2.3 | 1.15 | 1.15 |
| Chen et al. (China) | 1350 | 0 | 0.37 | 0.15 | 7.63 | 1.41 | 0.3 | 2.44 | 2.22 | 1.04 | 1.19 |
| FASTER (USA) | 6740 | 0.28 | 1.99 | 1.45 | 13.81 | 0.33 | 0.45 | 4.08 | 2.3 | 1.29 | 1.16 |
| Generation R (Netherlands) | 2490 | 1.24 | 1.33 | 21.49 | 8.67 | 0.36 | 0.68 | 2.85 | 2.29 | 1.29 | 1.2 |
| HAPPY (Netherlands) | 2105 | 0 | 3.61 | 0.24 | 4.51 | 0.14 | 0.24 | 3.18 | 2.52 | 1.33 | 0.86 |
| Ma'anshan Birth Cohort Study (China) | 2885 | 0.59 | 6.48 | 0.38 | 5.44 | 3.47 | 0.87 | 2.84 | 2.39 | 0.59 | 1.56 |
| NFBC1986 (Finland) | 4258 | 0.33 | 3.31 | 0.61 | 11.84 | 10.45 | 0.66 | 3.38 | 2.23 | 1.69 | 0.54 |
| Popova et al. (Russia) | 376 | 0.53 | 1.6 | 3.72 | 8.24 | 1.06 | 0.27 | 2.39 | 2.39 | 1.86 | 0.53 |
| Poppe et al. (Belgium) | 715 | 0 | 0.56 | 3.08 | 10.63 | 0.42 | 0 | 2.52 | 0.56 | 0 | 0 |
| Rhea (Greece) | 344 | 0 | 0.29 | 1.45 | 9.88 | 1.16 | 0 | 3.2 | 2.03 | 0.87 | 1.45 |
| Western Australia | 2256 | 0.09 | 0.89 | 0 | 15.82 | 1.68 | 0.58 | 4.39 | 2.17 | 0.44 | 1.29 |
| Wijnen & Pop (Netherlands) | 1566 | 0.19 | 0.7 | 0.19 | 11.05 | 0.45 | 0.45 | 4.34 | 2.23 | 1.92 | 0.7 |
| **Total or 5-95% range** | **35778** | **0 - 0.81** | **0.35 - 4.33** | **0.04 - 13.3** | **4.39 - 14.31** | **0.12 - 6.1** | **0 - 0.81** | **2.43 - 4.35** | **0.42 - 2.42** | **0 - 1.88** | **0.4 - 1.48** |

*Thyroid dysfunction is defined according to the 2017 American Thyroid Association guidelines.*

# **Supplemental table 3 – Prevalence of thyroid disease per cohort - second trimester**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Prevalence of disease** |  | **Non-pregnancy reference intervals** | | | | | **Trimester specific approach** | | | | |
| **Cohort** | **N** | **Overt hypothyroidism** | **Subclinical hypothyroidism** | **Hypothyrox-inemia** | **Subclinical hyperthyroidism** | **Overt hyperthyroidism** | **Overt hypothyroidism** | **Subclinical hypothyroidism** | **Hypothyrox-inemia** | **Subclinical hyperthyroidism** | **Overt hyperthyroidism** |
| ABCD (Netherlands) | 2037 | 0.44 | 0.39 | 8.49 | 5.4 | 0.15 | 0.54 | 3.24 | 2.11 | 1.67 | 0.83 |
| ALSPAC (United Kingdom) | 1257 | 0.16 | 0.64 | 0.4 | 3.58 | 1.67 | 0.56 | 3.82 | 1.83 | 1.75 | 0.56 |
| Ashoor et al. (United Kingdom) | 1086 | 0 | 1.2 | 0 | 8.66 | 0.18 | 0.64 | 3.96 | 1.75 | 1.38 | 0.92 |
| Chen et al. (China) | 2485 | 0.12 | 0.4 | 1.17 | 2.41 | 0.08 | 0.16 | 2.45 | 2.21 | 1.85 | 0.6 |
| FASTER (USA) | 2822 | 0.21 | 2.06 | 1.52 | 12.44 | 0 | 0.32 | 3.69 | 2.3 | 1.63 | 0.71 |
| Generation R (Netherlands) | 3119 | 1.8 | 1.38 | 34.37 | 5.87 | 0.29 | 0.16 | 3.33 | 2.66 | 1.6 | 0.8 |
| GIRONA 1 (Spain) | 260 | 0 | 0.77 | 3.85 | 1.54 | 0 | 0.38 | 1.92 | 2.69 | 1.92 | 0 |
| GIRONA 2 (Spain) | 330 | 1.82 | 2.73 | 45.15 | 0 | 0 | 0 | 2.42 | 2.42 | 2.12 | 0 |
| Ma'anshan Birth Cohort Study (China) | 407 | 0.49 | 7.62 | 0.74 | 6.63 | 1.23 | 0.98 | 2.21 | 1.72 | 1.23 | 1.23 |
| NFBC1986 (Finland) | 1448 | 0.48 | 3.52 | 1.24 | 9.81 | 4.9 | 0.48 | 2.9 | 2.28 | 1.86 | 0.55 |
| Poppe et al. (Belgium) | 712 | 0.14 | 0.56 | 6.18 | 4.21 | 0.14 | 0 | 2.67 | 0.56 | 1.54 | 0.84 |
| Rhea (Greece) | 600 | 0.17 | 1.17 | 3.17 | 7.33 | 0.17 | 0 | 3.17 | 2.17 | 1.83 | 0.33 |
| Western Australia | 155 | 0 | 0 | 0 | 13.55 | 1.94 | 0 | 2.58 | 1.29 | 0.65 | 1.29 |
| **Total or 5-95% range** | **16718** | **0 - 1.81** | **0.23 - 5.16** | **0 - 38.68** | **0.92 - 12.88** | **0 - 3.12** | **0 - 0.78** | **2.09 - 3.88** | **1 - 2.67** | **1 - 2** | **0 - 1.25** |

*Thyroid dysfunction is defined according to the 2017 American Thyroid Association guidelines.*

# **Supplemental table 4 – Overview of cohort specific reference limits**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cohort** | **TSH** | | | | | | **FT4** | | | | | |
|  | **Non-pregnancy** | | **First trimester** | | **Second trimester** | | **Non-pregnancy** | | **First trimester** | | **Second trimester** | |
|  | **LL** | **UL** | **LL** | **UL** | **LL** | **UL** | **LL** | **UL** | **LL** | **UL** | **LL** | **UL** |
| ABCD (Netherlands) | 0.34 | 5.60 | 0.12 | 2.97 | 0.14 | 3.16 | 7.50 | 21.10 | 7.77 | 13.14 | 6.99 | 11.94 |
| ALSPAC (United Kingdom) | 0.35 | 4.94 | 0.07 | 2.53 | 0.16 | 2.70 | 9.01 | 19.05 | 12.72 | 22.65 | 11.68 | 21.83 |
| Aminorroaya et al. (Iran) | 0.50 | 5.74 | 0.20 | 4.60 |  |  | 10.30 | 19.31 | 9.01 | 16.73 |  |  |
| Ashoor et al. (United Kingdom) | 0.30 | 5.50 | 0.04 | 3.46 | 0.04 | 3.45 | 9.00 | 25.00 | 11.40 | 20.96 | 11.20 | 20.40 |
| Bliddal et al. (Denmark) | 0.27 | 4.20 | 0.08 | 3.62 |  |  | 12.00 | 22.00 | 11.58 | 18.91 |  |  |
| Chen et al. (China) | 0.34 | 5.60 | 0.13 | 3.82 | 0.34 | 3.63 | 5.90 | 16.40 | 8.19 | 15.53 | 6.26 | 12.08 |
| FASTER (USA) | 0.40 | 4.00 | 0.03 | 3.16 | 0.06 | 3.38 | 10.29 | 24.46 | 10.56 | 19.05 | 10.56 | 18.41 |
| Generation R (Netherlands) | 0.40 | 4.30 | 0.02 | 4.02 | 0.06 | 4.19 | 10.94 | 24.97 | 8.87 | 18.62 | 8.28 | 17.30 |
| GIRONA1 (Spain) | 0.35 | 4.94 |  |  | 0.43 | 4.27 | 9.01 | 19.05 |  |  | 8.95 | 15.19 |
| GIRONA2 (Spain) | 0.27 | 4.20 |  |  | 0.60 | 4.61 | 12.00 | 22.00 |  |  | 9.62 | 15.86 |
| HAPPY (Netherlands) | 0.40 | 4.00 | 0.23 | 4.01 |  |  | 10.00 | 24.00 | 11.49 | 18.00 |  |  |
| Ma'anshan Birth Cohort Study (China) | 0.27 | 4.20 | 0.02 | 5.12 | 0.03 | 5.77 | 12.00 | 22.00 | 13.21 | 23.75 | 12.20 | 21.34 |
| NFBC1986 (Finland) | 0.64 | 3.74 | 0.08 | 3.73 | 0.11 | 4.17 | 11.01 | 16.63 | 11.66 | 22.85 | 11.26 | 22.68 |
| Popova et al. (Russia) | 0.27 | 4.20 | 0.06 | 4.07 |  |  | 12.00 | 22.00 | 11.79 | 20.28 |  |  |
| Poppe et al. (Belgium) | 0.30 | 4.00 | 0.03 | 3.16 | 0.1 | 3.51 | 10.30 | 25.70 | 10.30 | 18.37 | 10.30 | 16.92 |
| Rhea (Greece) | 0.40 | 4.00 | 0.08 | 2.90 | 0.15 | 3.27 | 11.46 | 22.65 | 12.08 | 21.61 | 11.18 | 19.46 |
| Western Australia | 0.40 | 4.00 | 0.02 | 2.24 | 0.04 | 2.67 | 9.00 | 19.00 | 11.00 | 18.00 | 10.00 | 17.32 |
| Wijnen & Pop (Netherlands) | 0.45 | 4.50 | 0.14 | 2.90 |  |  | 10.30 | 25.70 | 12.00 | 20.53 |  |  |

\*All trimester specific reference intervals are calculated after exclusion of thyroid hormone altering medication, preexisting thyroid disease, pregnancy through assisted reproductive techniques and TPOAb positive participants, LL = lower limit, UL = upper limit

# **Supplemental table 5 - Cohort region and iodine status at time of blood sampling**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cohort** | **Country** | **City** | **Iodine status\*** | **Assessed in cohort** |
| **ABCD** | Netherlands | Amsterdam | Sufficient | No |
| **ALSPAC** | England | Bristol | Mild-to-moderate  iodine deficiency | Yes |
| **Aminorroaya et al.** | Iran | Isfahan | Sufficient | No |
| **Ashoor et al.** | England | London | Mild-to-moderate  iodine deficiency | No |
| **Bliddal et al.** | Denmark | Copenhagen | Mild-to-moderate  iodine deficiency | No |
| **Chen et al.** | China | Wenzhou | Sufficient | No |
| **FASTER** | United States | [Multiple] | Mild-to-moderate  iodine deficiency | No |
| **Generation R** | Netherlands | Rotterdam | Sufficient | Yes |
| **GIRONA 1** | Spain | Figueres | Sufficient | No |
| **GIRONA 2** | Spain | Figueres | Sufficient | No |
| **HAPPY** | Netherlands | Nijmegen | Sufficient | No |
| **Ma'anshan Birth Cohort Study** | China | Ma'anshan | Sufficient | No |
| **NFBC1986** | Finland | Oulu | Sufficient | No |
| **Popova et al.** | Russia | St. Petersburg | Mild-to-moderate  iodine deficiency | No |
| **Poppe et al.** | Belgium | Brussels | Mild-to-moderate  iodine deficiency | No |
| **Rhea** | Greece | Crete | Sufficient | No |
| **Western Australia** | Australia | Perth | Sufficient | No |
| **Wijnen & Pop** | Netherlands | Eindhoven | Sufficient | No |

\*Iodine status is defined according to urinary iodine excretion with subdivision described in the review below by Zimmermann; severe deficiency <49 µg/L, mild-to-moderate deficiency 50-149 µg/L, sufficient 150-249µg/L, more than sufficient 250-499 µg/L, excessive >500 µg/L.  
*Zimmermann MB. The adverse effects of mild-to-moderate iodine deficiency during pregnancy and childhood: a review. Thyroid. Sep 2007;17(9):829-35. doi:10.1089/thy.2007.0108*

# **Supplemental table 6 - Assay information per cohort**

|  |  |  |  |
| --- | --- | --- | --- |
| **Cohort** | **Manufacturer - Assay** | **Antibody ID1 TSH** | **Antibody ID1 FT4** |
| **ABCD** | Beckman Access immunoanalyzer | [RRID: AB\_2895187](https://scicrunch.org/resolver/RRID:%20AB_2895187) | [RRID: AB\_2895185](https://scicrunch.org/resolver/AB_2895185) |
| **ALSPAC** | Abbott Diagnostics Architect i2000 | [RRID: AB\_2883972](https://scicrunch.org/resolver/RRID:%20AB_2883972) | NA |
| **Aminorroaya et al.** | Siemens ADVIA centaur CP | [RRID: AB\_2783806](https://scicrunch.org/resolver/AB_2783806) | [RRID: AB\_2783805](https://scicrunch.org/resolver/AB_2783805) |
| **Ashoor et al.** | Siemens ADVIA Centaur | [RRID: AB\_2783806](https://scicrunch.org/resolver/AB_2783806) | [RRID: AB\_2783805](https://scicrunch.org/resolver/AB_2783805) |
| **Bliddal et al.** | Roche E170 | [RRID: AB\_2756377](https://scicrunch.org/resolver/AB_2756377) | [RRID: AB\_2894892](https://scicrunch.org/resolver/AB_2894892) |
| **Chen et al.** | Beckman DX2800 | [RRID: AB\_2895187](https://scicrunch.org/resolver/RRID:%20AB_2895187) | [RRID: AB\_2895185](https://scicrunch.org/resolver/AB_2895185) |
| **FASTER** | Siemens Immulite 2000 | [RRID: AB\_2827386](https://scicrunch.org/resolver/AB_2827386) | [RRID: AB\_2895179](https://scicrunch.org/resolver/AB_2895179) |
| **Generation R** | Ortho Clinical Diagnostics Vitros ECI | NA | NA |
| **GIRONA 1** | Abbott Diagnostics Architect i2000 | [RRID: AB\_2883972](https://scicrunch.org/resolver/RRID:%20AB_2883972) | NA |
| **GIRONA 2** | Roche E602 | [RRID: AB\_2756377](https://scicrunch.org/resolver/AB_2756377) | [RRID: AB\_2894892](https://scicrunch.org/resolver/AB_2894892) |
| **HAPPY** | Roche E601 | [RRID: AB\_2756377](https://scicrunch.org/resolver/AB_2756377) | [RRID: AB\_2894892](https://scicrunch.org/resolver/AB_2894892) |
| **Ma'anshan Birth Cohort Study** | Roche E411 | [RRID: AB\_2756377](https://scicrunch.org/resolver/AB_2756377) | [RRID: AB\_2894892](https://scicrunch.org/resolver/AB_2894892) |
| **NFBC1986** | Abbott Diagnostics Architect i2000 | [RRID: AB\_2883972](https://scicrunch.org/resolver/RRID:%20AB_2883972) | NA |
| **Popova et al.** | Roche E411 | [RRID: AB\_2756377](https://scicrunch.org/resolver/AB_2756377) | [RRID: AB\_2894892](https://scicrunch.org/resolver/AB_2894892) |
| **Poppe et al.** | Siemens ADVIA Centaur XP | [RRID: AB\_2783806](https://scicrunch.org/resolver/AB_2783806) | [RRID: AB\_2783805](https://scicrunch.org/resolver/AB_2783805) |
| **Rhea** | Siemens Immulite 2000 | [RRID: AB\_2827386](https://scicrunch.org/resolver/AB_2827386) | [RRID: AB\_2895179](https://scicrunch.org/resolver/AB_2895179) |
| **Western Australia** | Abbott Diagnostics Architect | [RRID: AB\_2883972](https://scicrunch.org/resolver/RRID:%20AB_2883972) | NA |
| **Wijnen & Pop** | Siemens Immulite 2000 | [RRID: AB\_2827386](https://scicrunch.org/resolver/AB_2827386) | [RRID: AB\_2895179](https://scicrunch.org/resolver/AB_2895179) |

1Antibody Research Resource Identifiers retreived from <https://antibodyregistry.org/>; 2NA = not available

# **Prospero registration**

**Citation**

Joris Osinga, Arash Derakhshan, Tim Korevaar. Definition and prevalence of thyroid dysfunction in pregnancy: a systematic review and individual patient data meta-analysis. PROSPERO 2021 CRD42021270078 Available from: <https://www.crd.york.ac.uk/prospero/display_record.php?ID=CRD42021270078>

**Review question**

Primary:

1. Systematic review: to provide an overview of all available population based, assay-specific reference ranges for TSH and FT4 during pregnancy

2. Individual patient data meta-analysis using consortium data: To quantify the prevalence of thyroid function test abnormalities in pregnancy

**Secondary**

3. Systematic review: to analyze and compare differences in the in- and exclusion criteria of the reference populations published and in the subsequent reference intervals calculated.

4. Systematic review: To assess the impact of using additional exclusion criteria for the reference population by simulating these in the Consortium on Thyroid and Pregnancy.

5. To quantify the differences in the prevalence of thyroid function test abnormalities using trimester-specific reference ranges and study-period-specific reference ranges (defined as a reference range across the gestational age for that specific study) for TSH and FT4

6. To assess and quantify within assay-variability for TSH and FT4 reference ranges

7. To quantify thyroid function abnormalities when using fixed cut-off values.

**Searches**

Embase, MEDLINE (Ovid), Web of Science without language or publication date restrictions

Search date 2021-04

**Condition or domain being studied**

Thyroid dysfunction during pregnancy is associated with adverse pregnancy outcomes such as miscarriage, gestational hypertension, gestational diabetes, pre-eclampsia, preterm birth, small for gestational age neonates and lower offspring IQ. Diagnosing thyroid dysfunction during pregnancy is complicated due to changes in maternal thyroid physiology. To account for these differences, the American Thyroid Association (ATA) recommends calculating population-based, assay-specific, trimester-specific, reference ranges in TPOAb negative pregnant women without known thyroid disease. When calculating reference ranges in pregnancy is not feasible, the guideline advises using reference ranges calculated in a similar population and using the same assay. Following the ATA recommendation, the next step is using fixed cutoff values for TSH. To this date, no comprehensive overview of available reference ranges for TSH and FT4 (calculated in accordance with the ATA recommendation) and the prevalence of thyroid disorders exists. Such an overview could provide the needed data for implementing the correct reference range in hospitals around the world. Moreover, from a physiological point of view, trimester-specific reference range s are unlikely to adequately reflect the hormonal changes during pregnancy. It is unclear to what extent the use of trimester-specific ranges affect the identification of individuals classified with an abnormal thyroid function test.

**Participants/population**

- Non-selected, population-based prospective cohorts

- Serum TSH and/or FT4 reference intervals

- Exclusion criteria conform the latest ATA guideline of 2017: known thyroid disease, use of thyroid hormone altering medication, TPO antibody positivity, pregnancies conceived through IVF.

Exposures are taken into account in the comparison of reference intervals: gestational age at time of blood sampling, Tg antibodies, type of assay used to determine thyroid hormones

**Main outcome(s)**

1. Overview of available population based, assay-specific reference ranges of TSH and FT4 in pregnancy

2. Population based, assay- and trimester-specific reference ranges for TSH and fT4 and prevalence of thyroid function abnormalities in pregnancy

*Measures of effect*

Systematic review: TSH will be displayed as mU/L, FT4 as pmol/L

IPD meta-analysis: Net Reclassification Index will be used to compare different methodologies for calculating reference intervals and subsequent prevalences of thyroid dysfunction.

**Additional outcome(s)**

Secondary outcomes:

1. Quantification of differences in the selection of reference populations, and the subsequent effect on reference intervals

2. Intra-assay differences in TSH and FT4 reference ranges.

The difference in TSH and FT4 reference ranges and the prevalence of thyroid function test abnormalities according to

3. A study-period-specific approach

4. Fixed TSH cutoffs as specified by the ATA

5. TgAb status

as compared to the current guideline recommendations.

**Data extraction (selection and coding)**

All studies retrieved through the systematic search will be screened, title and abstract, for inclusion by two authors (JO and AD). The full text of all included studies will be retrieved and assessed for eligibility by two independent reviewers (JO and AD). Any disagreement will be resolved by a third reviewer (TK). All included studies will be summarized in an excel file with all relevant results.

**Risk of bias (quality) assessment**

All studies will be assessed for (selection) bias and will be accounted for in the results.

**Strategy for data synthesis**

Primary analysis:

1. Qualitative overview of systematic search (flowchart), overview of available population based, assay-specific reference ranges of TSH and FT4 in pregnancy (table)

2. Trimester- and assay-specific reference ranges of TSH and FT4 will be calculated using the 2.5th and 97.5th percentile per cohort, after exclusion of TPOAb positivity, and compared to cohort-specific reference ranges. Prevalence of thyroid function abnormalities will be calculated.

**Secondary analyses:**

1. Simulation of using additional exclusion criteria (based on the findings of the systematic review) for defining the reference population in the Consortium on Thyroid and Pregnancy, and the comparison of the calculated reference intervals

2. Similar methodology as for primary analysis (2), without the division into trimester groups. The Net Reclassification Index analysis will be used to compare differences in prevalence of thyroid function abnormalities.

3. The participating cohorts will be divided into groups based on assay. Trimester- and assay-specific reference ranges of TSH and FT4 will be calculated using the 2.5th and 97.5th percentile per cohort, after exclusion of TPOAb positivity. Prevalence of thyroid function abnormalities will be calculated and compared using the Net Reclassification Index analysis.

4. The calculated prevalences will be compared with calculated prevalences using fixed cut-off values 2.5, 3.0 and 4.0 mU/L for TSH.

5. Similar methodology as for primary analysis (2) on subset with data on TgAb status, with and without exclusion of TgAb positivity. Reference ranges and prevalence of thyroid test abnormalities will be calculated and compared using the Net

Reclassification Index analysis.

**Protocol violations**During the study, it became apparent that the literature is more heterogeneous than anticipated. We decided to split the study in three parts; one study on the selection of the reference population (JCEM Osinga 2022), one study on the prevalence and diagnostic performance of currently recommended alternatives to trimester-specific reference intervals, namely the use of a fixed upper limit of 4.0 mU/L for TSH or a subtraction of 0.5 mU/L of the upper limit of TSH (JCEM Osinga 2023), and the current study with a focus on finding alternative modifications of the non-pregnancy reference intervals which better simulate trimester-specific reference intervals than the 4.0 fixed limit approach and the 0.5 subtraction approach.

As such, the current study is an extension of review question 7 (see above ‘Research question’). In addition to research question 7 on the quantification of fixed limit approaches, we added absolute and relative modifications to our research protocol. Moreover, we did not use the Net Reclassification Index in this study, since current literature suggests biased interpretations of the results (https://doi.org/10.1007%2Fs12561-014-9118-0).

# **Supplemental acknowledgements and grant details**

**ABCD**

We are grateful to all participating hospitals, obstetric clinics, and general practitioners for their assistance in implementing the ABCD study and thank all of the women who participated for their cooperation. Core funding of the ABCD-study is provided by the Academic Medical Centre, Amsterdam, the Public Health Services, Amsterdam, and the Dutch Organization for Health Research and Development (ZonMw).

**ALSPAC**

Funding: The UK Medical Research Council and the Wellcome Trust (Grant ref: 102215/2/13/2) and the University of Bristol provide core support for the Avon Longitudinal Study of Parents and Children. This research was specifically funded by the Chief Scientist Office (ETM/97/90357/130024782). SMR, GDS, and DAL work in a unit that receives funds from the UK Medical Research Council (MC\_UU\_12013/1 and MC\_UU\_12013/5). DAL has a National Institute of Health Research Senior Investigator Award (NF-SI-0611-10196). SMN and DAL are supported by the National Institute of Health Research Biomedical Centre at the University Hospitals Bristol NHS Foundation Trust and the University of Bristol.

**Bliddal et al. cohort**

Ulla Feldt-Rasmussen and Sofie Bliddal represent the “Copenhagen Thyroid and Pregnancy Group" with authors also including Malene Boas, Linda Hilsted, Lennart Friis-Hansen and Ann Tabor. The study was funded by: Musikforlæggerne Agnes og Knut Mørks Foundation (2010, 2012); the Danish Council for Independent Research: Medical Sciences (2010); Axel Muusfeldt’s Foundation (2010, 2013); the Foundation of 17.12.1981 (2010); Videnskabsminister Erna Hamilton Foundation (2012); Director Ib Henriksen Foundation (2012); Snedkermester Sophus Jacobsen og hustru Astrid Jacobsen’s Foundation (2010, 2013); the Faculty of Medical Science’s Foundation (2013); FrimodtHeineke Foundation (2013); Torben and Alice Frimodt’s Foundation (2012); A.P. Møller Foundation for the Advancement of Medical Science (2012); Familien Hede Nielsens Foundation (2013); and the Copenhagen University Foundation (2013). Sofie Bliddal is supported by research grants from the Novo Nordisk Foundation (NNF22OC0077221, NNF23OC0087269)

**Generation R**

We gratefully acknowledge the contribution of the general practitioners, hospitals, midwives, and pharmacies in Rotterdam. The Generation R Study is financially supported by the Erasmus Medical Center, Rotterdam, the Erasmus University Rotterdam and the Netherlands Organization for Health Research and Development.

**GIRONA**

The study was supported by grants from the Ministerio de Ciencia e Innovación, Instituto de Salud Carlos III, Madrid, Spain (MS12/03239 and PI14/01625 to J.B and PI16/01335 to A.L-B), projects co-funded by FEDER (Fondo Europeo de Desarrollo Regional). We want to particularly acknowledge the patients and the IDIBGI Biobank (Biobanc IDIBGI, B.0000872), integrated in the Spanish National Biobank Network. Samples and data from patients included in this study were provided by the IDIBGI Biobank (Biobanc IDIBGI, B.0000872 Xarxa de Bancs de Tumors de Catalunya (XBTC) Catalunya, and they were processed following standard operating procedures with the appropriate approval of the Ethics and Scientific Committees.

**NFBC1986**

We wish to thank all cohort members, researchers and NFBC1986 project center personnel who participated in the NFBC1986 data collections. The project was funded by the Yrjo Jahnsson Foundation, University of Oulu and Academy of Finland. More detailed cohort information can be found in the following references;

University of Oulu: Northern Finland Birth Cohort 1986. University of Oulu. http://urn.fi/urn:nbn:fi:att:f5c10eef-3d25-4bd0-beb8-f2d59df95b8e

Järvelin et al. Ecological and individual predictors of birthweight in a northern Finland birth cohort 1986. Paediatr Perinat Epidemiol. 1997 Jul;11(3):298-312. doi: 10.1111/j.1365-3016.1997.tb00007.x.

# **Newcastle – Ottawa Quality Assessment Scale Cohort Studies**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ABCD** | **ALSPAC** | **Aminorroaya et al.** | **Ashoor et al.** | **Bliddal et al.** | **Chen et al.** | **FaSTeR** | **Generation R** | **GIRONA 1** | **GIRONA 2** | **HAPPY** | **MABC** | **NFBC1986** | **Popova et al.** | **Poppe et al.** | **Rhea** | **Western Australia** | **Wijnen en Pop** |
| **Selection** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1) Representativeness of the exposed cohort |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) truly representative of the average pregnant woman in the community \* | **\*** | **\*** | **\*** | **\*** |  | **\*** |  | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |  | **\*** | **\*** | **\*** |
| b) somewhat representative of the average pregnant woman in the community \* |  |  |  |  | **\*** |  | **\*** |  |  |  |  |  |  |  |  |  |  |  |
| c) selected group of users eg nurses, volunteers (or treated participants based on measurements) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |
| d) no description of the derivation of the cohort |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2) Selection of the non-exposed cohort |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) drawn from the same community as the exposed cohort \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| b) drawn from a different source |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c) no description of the derivation of the non-exposed cohort |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3) Ascertainment of exposure |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) secure record (laboratory measurement) \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| b) structured interview \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c) written self-report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d) no description |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4) Demonstration that outcome of interest was not present at start of study |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) yes\* NB. No biochemical demonstration. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b) no (since the research question of interest is the definition of thyroid disease in pregnancy, this would be very difficult to achieve) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| **Comparability** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1) Comparability of cohorts on the basis of the design or analysis |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) study controls for exclusion criteria (twins, history of thyroid disease, ivf, meds) \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| b) study controls for sex, marital status and age by design (population based pregnancy cohorts)\* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| **Outcome** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1) Assessment of outcome |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) either independent blind assessment \* or (combined with) b) record linkage \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| c) self-report |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d) no description |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2) Was follow-up long enough for outcomes to occur |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) yes (select an adequate follow up period for outcome of interest) \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| b) no |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3) Adequacy of follow up of cohorts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a) complete follow up - all subjects accounted for \* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b) subjects lost to follow up unlikely to introduce bias - small number lost - < 20% or no differential missing \* | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** | **\*** |
| c) follow up rate < 80% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d) no statement |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Score** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **8** | **7** | **8** | **8** | **8** |

# **Supplemental table 7 – Diagnostic performance for overt hypothyroidism with relative modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.53 (CI 0.41-0.65; PI 0.40-0.66; I2 0%) | 0.31 |
| ULTSH -45%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.55 (CI 0.42-0.67; PI 0.41-0.68; I2 0%) | 0.32 |
| ULTSH -40%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.56 (CI 0.43-0.68; PI 0.42-0.69; I2 0%) | 0.32 |
| ULTSH -35%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.60 (CI 0.47-0.72; PI 0.45-0.73; I2 0%) | 0.33 |
| ULTSH -30%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.62 (CI 0.48-0.74; PI 0.47-0.75; I2 0%) | 0.33 |
| ULTSH -25%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.64 (CI 0.51-0.76; PI 0.49-0.77; I2 0%) | 0.34 |
| ULTSH -20%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.65 (CI 0.52-0.77; PI 0.50-0.78; I2 0%) | 0.34 |
| ULTSH -15%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.63 (CI 0.42-0.80; PI 0.23-0.90; I2 0%) | 0.35 |
| ULTSH -10%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.63 (CI 0.42-0.80; PI 0.23-0.90; I2 0%) | 0.35 |
| ULTSH -5%|LLFT4 -20% | 0.26 (CI 0.16-0.39; PI 0.04-0.73; I2 50%) | 0.63 (CI 0.42-0.80; PI 0.23-0.90; I2 0%) | 0.35 |
| ULTSH NP|LLFT4 -20% | 0.24 (CI 0.16-0.34; PI 0.06-0.60; I2 35%) | 0.64 (CI 0.44-0.80; PI 0.32-0.87; I2 0%) | 0.33 |
| ULTSH -50%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.46 (CI 0.33-0.60; PI 0.25-0.70; I2 0%) | 0.33 |
| ULTSH -45%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.49 (CI 0.36-0.62; PI 0.28-0.70; I2 0%) | 0.34 |
| ULTSH -40%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.49 (CI 0.36-0.62; PI 0.31-0.67; I2 0%) | 0.34 |
| ULTSH -35%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.52 (CI 0.42-0.63; PI 0.41-0.64; I2 0%) | 0.35 |
| ULTSH -30%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.56 (CI 0.45-0.66; PI 0.44-0.67; I2 0%) | 0.36 |
| ULTSH -25%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.60 (CI 0.48-0.70; PI 0.47-0.71; I2 0%) | 0.37 |
| ULTSH -20%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.61 (CI 0.49-0.71; PI 0.48-0.72; I2 0%) | 0.37 |
| ULTSH -15%|LLFT4 -15% | 0.34 (CI 0.17-0.55; PI 0.02-0.93; I2 0%) | 0.63 (CI 0.51-0.74; PI 0.50-0.75; I2 0%) | 0.38 |
| ULTSH -10%|LLFT4 -15% | 0.32 (CI 0.17-0.52; PI 0.02-0.91; I2 0%) | 0.65 (CI 0.52-0.75; PI 0.51-0.76; I2 0%) | 0.38 |
| ULTSH -5%|LLFT4 -15% | 0.32 (CI 0.17-0.52; PI 0.02-0.91; I2 0%) | 0.67 (CI 0.54-0.77; PI 0.53-0.78; I2 0%) | 0.38 |
| ULTSH NP|LLFT4 -15% | 0.28 (CI 0.17-0.43; PI 0.04-0.78; I2 51%) | 0.66 (CI 0.53-0.77; PI 0.52-0.78; I2 0%) | 0.37 |
| ULTSH -50%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.44 (CI 0.27-0.62; PI 0.08-0.88; I2 41%) | 0.35 |
| ULTSH -45%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.47 (CI 0.30-0.65; PI 0.10-0.88; I2 33%) | 0.36 |
| ULTSH -40%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.50 (CI 0.33-0.66; PI 0.12-0.87; I2 17%) | 0.37 |
| ULTSH -35%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.53 (CI 0.37-0.68; PI 0.18-0.85; I2 0%) | 0.38 |
| ULTSH -30%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.55 (CI 0.39-0.69; PI 0.20-0.85; I2 0%) | 0.39 |
| ULTSH -25%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.57 (CI 0.42-0.71; PI 0.24-0.85; I2 0%) | 0.40 |
| ULTSH -20%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.60 (CI 0.45-0.73; PI 0.28-0.85; I2 0%) | 0.41 |
| ULTSH -15%|LLFT4 -10% | 0.39 (CI 0.21-0.60; PI 0.02-0.94; I2 12%) | 0.62 (CI 0.49-0.73; PI 0.38-0.81; I2 0%) | 0.41 |
| ULTSH -10%|LLFT4 -10% | 0.37 (CI 0.20-0.57; PI 0.03-0.92; I2 6%) | 0.66 (CI 0.55-0.76; PI 0.54-0.77; I2 0%) | 0.41 |
| ULTSH -5%|LLFT4 -10% | 0.37 (CI 0.20-0.57; PI 0.03-0.92; I2 6%) | 0.68 (CI 0.57-0.78; PI 0.56-0.78; I2 0%) | 0.42 |
| ULTSH NP|LLFT4 -10% | 0.33 (CI 0.20-0.48; PI 0.05-0.81; I2 54%) | 0.68 (CI 0.56-0.77; PI 0.55-0.78; I2 0%) | 0.41 |
| ULTSH -50%|LLFT4 -5% | 0.45 (CI 0.27-0.64; PI 0.05-0.93; I2 15%) | 0.44 (CI 0.26-0.63; PI 0.06-0.91; I2 67%) | 0.40 |
| ULTSH -45%|LLFT4 -5% | 0.45 (CI 0.27-0.64; PI 0.05-0.93; I2 15%) | 0.48 (CI 0.31-0.67; PI 0.08-0.91; I2 62%) | 0.42 |
| ULTSH -40%|LLFT4 -5% | 0.44 (CI 0.27-0.64; PI 0.04-0.94; I2 18%) | 0.51 (CI 0.34-0.68; PI 0.11-0.90; I2 53%) | 0.43 |
| ULTSH -35%|LLFT4 -5% | 0.44 (CI 0.27-0.64; PI 0.04-0.94; I2 18%) | 0.55 (CI 0.39-0.70; PI 0.16-0.88; I2 31%) | 0.44 |
| ULTSH -30%|LLFT4 -5% | 0.44 (CI 0.26-0.64; PI 0.04-0.94; I2 22%) | 0.56 (CI 0.40-0.70; PI 0.18-0.88; I2 19%) | 0.44 |
| ULTSH -25%|LLFT4 -5% | 0.44 (CI 0.26-0.64; PI 0.04-0.94; I2 22%) | 0.60 (CI 0.41-0.76; PI 0.14-0.93; I2 13%) | 0.46 |
| ULTSH -20%|LLFT4 -5% | 0.44 (CI 0.26-0.64; PI 0.04-0.94; I2 19%) | 0.61 (CI 0.43-0.77; PI 0.16-0.93; I2 6%) | 0.46 |
| ULTSH -15%|LLFT4 -5% | 0.44 (CI 0.26-0.64; PI 0.04-0.94; I2 19%) | 0.63 (CI 0.44-0.78; PI 0.16-0.94; I2 0%) | 0.46 |
| ULTSH -10%|LLFT4 -5% | 0.42 (CI 0.25-0.60; PI 0.04-0.92; I2 7%) | 0.67 (CI 0.52-0.79; PI 0.33-0.89; I2 0%) | 0.47 |
| ULTSH -5%|LLFT4 -5% | 0.42 (CI 0.25-0.60; PI 0.04-0.92; I2 7%) | 0.68 (CI 0.52-0.80; PI 0.33-0.90; I2 0%) | 0.47 |
| ULTSH NP|LLFT4 -5% | 0.38 (CI 0.26-0.52; PI 0.08-0.81; I2 48%) | 0.67 (CI 0.51-0.80; PI 0.29-0.91; I2 0%) | 0.46 |
| ULTSH -50%|LLFT4 NP | 0.62 (CI 0.38-0.82; PI 0.04-0.99; I2 56%) | 0.33 (CI 0.16-0.58; PI 0.01-0.95; I2 79%) | 0.39 |
| ULTSH -45%|LLFT4 NP | 0.62 (CI 0.38-0.82; PI 0.04-0.99; I2 56%) | 0.38 (CI 0.19-0.61; PI 0.02-0.95; I2 78%) | 0.42 |
| ULTSH -40%|LLFT4 NP | 0.62 (CI 0.37-0.82; PI 0.04-0.98; I2 54%) | 0.41 (CI 0.21-0.64; PI 0.02-0.95; I2 75%) | 0.44 |
| ULTSH -35%|LLFT4 NP | 0.62 (CI 0.37-0.82; PI 0.04-0.98; I2 54%) | 0.44 (CI 0.23-0.67; PI 0.03-0.96; I2 70%) | 0.46 |
| ULTSH -30%|LLFT4 NP | 0.61 (CI 0.37-0.81; PI 0.04-0.98; I2 53%) | 0.46 (CI 0.25-0.68; PI 0.03-0.96; I2 65%) | 0.47 |
| ULTSH -25%|LLFT4 NP | 0.60 (CI 0.36-0.81; PI 0.04-0.98; I2 52%) | 0.50 (CI 0.28-0.71; PI 0.04-0.96; I2 60%) | 0.49 |
| ULTSH -20%|LLFT4 NP | 0.59 (CI 0.34-0.79; PI 0.04-0.98; I2 47%) | 0.52 (CI 0.31-0.73; PI 0.05-0.96; I2 50%) | 0.50 |
| ULTSH -15%|LLFT4 NP | 0.58 (CI 0.34-0.79; PI 0.04-0.98; I2 44%) | 0.56 (CI 0.33-0.76; PI 0.05-0.97; I2 49%) | 0.52 |
| ULTSH -10%|LLFT4 NP | 0.54 (CI 0.34-0.73; PI 0.05-0.96; I2 44%) | 0.63 (CI 0.44-0.79; PI 0.14-0.95; I2 30%) | 0.54 |
| ULTSH -5%|LLFT4 NP | 0.53 (CI 0.32-0.73; PI 0.05-0.96; I2 48%) | 0.65 (CI 0.46-0.81; PI 0.15-0.95; I2 17%) | 0.54 |
| ULTSH NP|LLFT4 NP | 0.49 (CI 0.33-0.65; PI 0.08-0.91; I2 59%) | 0.65 (CI 0.45-0.81; PI 0.13-0.96; I2 26%) | 0.54 |
| ULTSH -50%|LLFT4 +5% | 0.88 (CI 0.59-0.98; PI 0.03-1.00; I2 50%) | 0.31 (CI 0.16-0.51; PI 0.02-0.92; I2 85%) | 0.41 |
| ULTSH -45%|LLFT4 +5% | 0.88 (CI 0.59-0.98; PI 0.03-1.00; I2 50%) | 0.35 (CI 0.18-0.56; PI 0.02-0.94; I2 84%) | 0.45 |
| ULTSH -40%|LLFT4 +5% | 0.84 (CI 0.58-0.95; PI 0.04-1.00; I2 59%) | 0.39 (CI 0.22-0.60; PI 0.03-0.94; I2 82%) | 0.48 |
| ULTSH -35%|LLFT4 +5% | 0.84 (CI 0.58-0.95; PI 0.04-1.00; I2 59%) | 0.43 (CI 0.25-0.62; PI 0.04-0.94; I2 79%) | 0.52 |
| ULTSH -30%|LLFT4 +5% | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 58%) | 0.44 (CI 0.27-0.63; PI 0.05-0.93; I2 75%) | 0.53 |
| ULTSH -25%|LLFT4 +5% | 0.82 (CI 0.54-0.95; PI 0.04-1.00; I2 54%) | 0.48 (CI 0.31-0.65; PI 0.07-0.92; I2 71%) | 0.55 |
| ULTSH -20%|LLFT4 +5% | 0.76 (CI 0.51-0.91; PI 0.05-0.99; I2 66%) | 0.50 (CI 0.35-0.66; PI 0.10-0.90; I2 65%) | 0.56 |
| ULTSH -15%|LLFT4 +5% | 0.75 (CI 0.50-0.90; PI 0.06-0.99; I2 64%) | 0.56 (CI 0.40-0.71; PI 0.12-0.92; I2 62%) | 0.60 |
| ULTSH -10%|LLFT4 +5% | 0.71 (CI 0.49-0.86; PI 0.07-0.99; I2 64%) | 0.62 (CI 0.46-0.76; PI 0.17-0.93; I2 55%) | 0.64 |
| ULTSH -5%|LLFT4 +5% | 0.70 (CI 0.47-0.86; PI 0.06-0.99; I2 64%) | 0.64 (CI 0.54-0.74; PI 0.18-0.94; I2 45%) | 0.65 |
| ULTSH NP|LLFT4 +5% | 0.65 (CI 0.46-0.80; PI 0.10-0.97; I2 67%) | 0.65 (CI 0.54-0.74; PI 0.17-0.94; I2 48%) | 0.64 |
| ULTSH -50%|LLFT4 +10% | 0.96 (CI 0.69-1.00; PI 0.01-1.00; I2 0%) | 0.24 (CI 0.11-0.44; PI 0.01-0.91; I2 85%) | 0.35 |
| ULTSH -45%|LLFT4 +10% | 0.96 (CI 0.69-1.00; PI 0.01-1.00; I2 0%) | 0.28 (CI 0.14-0.48; PI 0.01-0.92; I2 83%) | 0.39 |
| ULTSH -40%|LLFT4 +10% | 0.94 (CI 0.66-0.99; PI 0.02-1.00; I2 23%) | 0.32 (CI 0.17-0.52; PI 0.02-0.92; I2 80%) | 0.43 |
| ULTSH -35%|LLFT4 +10% | 0.94 (CI 0.66-0.99; PI 0.02-1.00; I2 23%) | 0.35 (CI 0.20-0.55; PI 0.03-0.92; I2 76%) | 0.46 |
| ULTSH -30%|LLFT4 +10% | 0.93 (CI 0.64-0.99; PI 0.02-1.00; I2 16%) | 0.37 (CI 0.22-0.55; PI 0.04-0.90; I2 72%) | 0.48 |
| ULTSH -25%|LLFT4 +10% | 0.93 (CI 0.63-0.99; PI 0.02-1.00; I2 0%) | 0.40 (CI 0.26-0.57; PI 0.06-0.88; I2 67%) | 0.51 |
| ULTSH -20%|LLFT4 +10% | 0.88 (CI 0.59-0.98; PI 0.02-1.00; I2 50%) | 0.43 (CI 0.30-0.58; PI 0.09-0.85; I2 60%) | 0.53 |
| ULTSH -15%|LLFT4 +10% | 0.88 (CI 0.57-0.97; PI 0.02-1.00; I2 47%) | 0.49 (CI 0.36-0.62; PI 0.15-0.84; I2 51%) | 0.57 |
| ULTSH -10%|LLFT4 +10% | 0.84 (CI 0.55-0.95; PI 0.03-1.00; I2 46%) | 0.53 (CI 0.42-0.65; PI 0.22-0.82; I2 39%) | 0.60 |
| ULTSH -5%|LLFT4 +10% | 0.83 (CI 0.53-0.95; PI 0.03-1.00; I2 44%) | 0.55 (CI 0.44-0.66; PI 0.25-0.82; I2 33%) | 0.61 |
| ULTSH NP|LLFT4 +10% | 0.75 (CI 0.50-0.91; PI 0.05-0.99; I2 51%) | 0.56 (CI 0.45-0.67; PI 0.25-0.83; I2 35%) | 0.61 |
| ULTSH -50%|LLFT4 +15% | 0.99 (CI 0.83-1.00; PI 0.03-1.00; I2 0%) | 0.19 (CI 0.08-0.39; PI 0.00-0.94; I2 86%) | 0.31 |
| ULTSH -45%|LLFT4 +15% | 0.99 (CI 0.83-1.00; PI 0.03-1.00; I2 0%) | 0.22 (CI 0.09-0.46; PI 0.00-0.96; I2 84%) | 0.36 |
| ULTSH -40%|LLFT4 +15% | 0.98 (CI 0.81-1.00; PI 0.05-1.00; I2 0%) | 0.26 (CI 0.11-0.52; PI 0.00-0.97; I2 82%) | 0.40 |
| ULTSH -35%|LLFT4 +15% | 0.96 (CI 0.78-1.00; PI 0.06-1.00; I2 20%) | 0.29 (CI 0.13-0.53; PI 0.01-0.96; I2 78%) | 0.42 |
| ULTSH -30%|LLFT4 +15% | 0.96 (CI 0.76-0.99; PI 0.05-1.00; I2 0%) | 0.32 (CI 0.16-0.54; PI 0.01-0.95; I2 74%) | 0.44 |
| ULTSH -25%|LLFT4 +15% | 0.96 (CI 0.74-0.99; PI 0.04-1.00; I2 0%) | 0.34 (CI 0.18-0.55; PI 0.02-0.94; I2 71%) | 0.47 |
| ULTSH -20%|LLFT4 +15% | 0.93 (CI 0.71-0.98; PI 0.07-1.00; I2 36%) | 0.38 (CI 0.22-0.57; PI 0.03-0.92; I2 65%) | 0.51 |
| ULTSH -15%|LLFT4 +15% | 0.92 (CI 0.69-0.98; PI 0.07-1.00; I2 28%) | 0.44 (CI 0.28-0.61; PI 0.05-0.91; I2 59%) | 0.55 |
| ULTSH -10%|LLFT4 +15% | 0.89 (CI 0.67-0.97; PI 0.08-1.00; I2 21%) | 0.48 (CI 0.33-0.64; PI 0.08-0.91; I2 53%) | 0.58 |
| ULTSH -5%|LLFT4 +15% | 0.89 (CI 0.65-0.97; PI 0.07-1.00; I2 23%) | 0.50 (CI 0.36-0.65; PI 0.11-0.89; I2 45%) | 0.59 |
| ULTSH NP|LLFT4 +15% | 0.82 (CI 0.61-0.93; PI 0.10-0.99; I2 31%) | 0.52 (CI 0.38-0.66; PI 0.13-0.88; I2 44%) | 0.60 |
| ULTSH -50%|LLFT4 +20% | 1.00 (CI 0.77-1.00; PI 0.02-1.00; I2 0%) | 0.15 (CI 0.06-0.33; PI 0.00-0.93; I2 88%) | 0.26 |
| ULTSH -45%|LLFT4 +20% | 1.00 (CI 0.77-1.00; PI 0.02-1.00; I2 0%) | 0.18 (CI 0.07-0.40; PI 0.00-0.96; I2 86%) | 0.31 |
| ULTSH -40%|LLFT4 +20% | 0.99 (CI 0.82-1.00; PI 0.05-1.00; I2 0%) | 0.21 (CI 0.08-0.45; PI 0.00-0.97; I2 84%) | 0.36 |
| ULTSH -35%|LLFT4 +20% | 0.98 (CI 0.80-1.00; PI 0.06-1.00; I2 0%) | 0.24 (CI 0.22-0.26; PI 0.00-0.96; I2 81%) | 0.37 |
| ULTSH -30%|LLFT4 +20% | 0.96 (CI 0.77-0.99; PI 0.07-1.00; I2 0%) | 0.26 (CI 0.12-0.49; PI 0.01-0.95; I2 76%) | 0.39 |
| ULTSH -25%|LLFT4 +20% | 0.96 (CI 0.75-0.99; PI 0.06-1.00; I2 0%) | 0.29 (CI 0.14-0.52; PI 0.01-0.95; I2 72%) | 0.42 |
| ULTSH -20%|LLFT4 +20% | 0.92 (CI 0.72-0.98; PI 0.09-1.00; I2 22%) | 0.33 (CI 0.17-0.53; PI 0.02-0.94; I2 68%) | 0.45 |
| ULTSH -15%|LLFT4 +20% | 0.92 (CI 0.71-0.98; PI 0.09-1.00; I2 11%) | 0.37 (CI 0.21-0.56; PI 0.03-0.93; I2 62%) | 0.49 |
| ULTSH -10%|LLFT4 +20% | 0.89 (CI 0.68-0.97; PI 0.10-1.00; I2 0%) | 0.42 (CI 0.26-0.59; PI 0.05-0.91; I2 59%) | 0.52 |
| ULTSH -5%|LLFT4 +20% | 0.89 (CI 0.66-0.97; PI 0.08-1.00; I2 12%) | 0.43 (CI 0.28-0.60; PI 0.06-0.89; I2 52%) | 0.52 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 8 – Diagnostic performance for subclinical hypothyroidism with relative modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 1.00 (CI 0.02-1.00; PI 0.00-1.00; I2 0%) | 0.27 (CI 0.18-0.39; PI 0.03-0.80; I2 98%) | 0.43 |
| ULTSH -45%|LLFT4 -20% | 1.00 (CI 0.92-1.00; PI 0.08-1.00; I2 0%) | 0.36 (CI 0.23-0.50; PI 0.04-0.88; I2 98%) | 0.51 |
| ULTSH -40%|LLFT4 -20% | 1.00 (CI 0.95-1.00; PI 0.06-1.00; I2 63%) | 0.44 (CI 0.30-0.59; PI 0.05-0.91; I2 98%) | 0.57 |
| ULTSH -35%|LLFT4 -20% | 0.99 (CI 0.91-1.00; PI 0.04-1.00; I2 85%) | 0.53 (CI 0.38-0.67; PI 0.07-0.94; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 -20% | 0.99 (CI 0.87-1.00; PI 0.02-1.00; I2 86%) | 0.59 (CI 0.45-0.72; PI 0.11-0.94; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 -20% | 0.97 (CI 0.79-1.00; PI 0.01-1.00; I2 87%) | 0.65 (CI 0.52-0.75; PI 0.17-0.94; I2 96%) | 0.65 |
| ULTSH -20%|LLFT4 -20% | 0.94 (CI 0.70-0.99; PI 0.01-1.00; I2 94%) | 0.70 (CI 0.58-0.80; PI 0.20-0.96; I2 95%) | 0.68 |
| ULTSH -15%|LLFT4 -20% | 0.85 (CI 0.53-0.96; PI 0.01-1.00; I2 95%) | 0.72 (CI 0.61-0.81; PI 0.27-0.95; I2 93%) | 0.64 |
| ULTSH -10%|LLFT4 -20% | 0.72 (CI 0.38-0.92; PI 0.01-1.00; I2 94%) | 0.72 (CI 0.62-0.80; PI 0.31-0.94; I2 92%) | 0.58 |
| ULTSH -5%|LLFT4 -20% | 0.62 (CI 0.32-0.85; PI 0.01-1.00; I2 94%) | 0.74 (CI 0.64-0.82; PI 0.35-0.94; I2 89%) | 0.55 |
| ULTSH NP|LLFT4 -20% | 0.50 (CI 0.24-0.76; PI 0.01-0.99; I2 94%) | 0.75 (CI 0.65-0.82; PI 0.35-0.94; I2 88%) | 0.50 |
| ULTSH -50%|LLFT4 -15% | 1.00 (CI 0.97-1.00; PI 0.32-1.00; I2 0%) | 0.28 (CI 0.18-0.39; PI 0.03-0.80; I2 98%) | 0.44 |
| ULTSH -45%|LLFT4 -15% | 1.00 (CI 0.96-1.00; PI 0.18-1.00; I2 3%) | 0.36 (CI 0.24-0.50; PI 0.04-0.88; I2 98%) | 0.51 |
| ULTSH -40%|LLFT4 -15% | 1.00 (CI 1.00-1.00; PI 0.14-1.00; I2 72%) | 0.44 (CI 0.30-0.59; PI 0.05-0.91; I2 98%) | 0.57 |
| ULTSH -35%|LLFT4 -15% | 0.98 (CI 0.89-1.00; PI 0.06-1.00; I2 87%) | 0.53 (CI 0.38-0.67; PI 0.07-0.94; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 -15% | 0.98 (CI 0.85-1.00; PI 0.03-1.00; I2 89%) | 0.59 (CI 0.45-0.72; PI 0.11-0.94; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 -15% | 0.95 (CI 0.76-0.99; PI 0.01-1.00; I2 89%) | 0.65 (CI 0.52-0.76; PI 0.17-0.94; I2 96%) | 0.65 |
| ULTSH -20%|LLFT4 -15% | 0.91 (CI 0.67-0.98; PI 0.02-1.00; I2 95%) | 0.71 (CI 0.58-0.80; PI 0.20-0.96; I2 95%) | 0.69 |
| ULTSH -15%|LLFT4 -15% | 0.80 (CI 0.52-0.94; PI 0.01-1.00; I2 95%) | 0.73 (CI 0.62-0.82; PI 0.27-0.95; I2 94%) | 0.65 |
| ULTSH -10%|LLFT4 -15% | 0.67 (CI 0.38-0.87; PI 0.01-1.00; I2 95%) | 0.73 (CI 0.63-0.82; PI 0.29-0.95; I2 92%) | 0.58 |
| ULTSH -5%|LLFT4 -15% | 0.61 (CI 0.31-0.84; PI 0.01-1.00; I2 94%) | 0.76 (CI 0.65-0.84; PI 0.30-0.96; I2 89%) | 0.55 |
| ULTSH NP|LLFT4 -15% | 0.50 (CI 0.24-0.76; PI 0.01-0.99; I2 94%) | 0.76 (CI 0.66-0.84; PI 0.31-0.96; I2 88%) | 0.50 |
| ULTSH -50%|LLFT4 -10% | 1.00 (CI 0.97-1.00; PI 0.30-1.00; I2 0%) | 0.28 (CI 0.18-0.39; PI 0.03-0.80; I2 98%) | 0.43 |
| ULTSH -45%|LLFT4 -10% | 1.00 (CI 0.96-1.00; PI 0.17-1.00; I2 0%) | 0.36 (CI 0.24-0.50; PI 0.04-0.88; I2 98%) | 0.51 |
| ULTSH -40%|LLFT4 -10% | 0.99 (CI 0.93-1.00; PI 0.08-1.00; I2 72%) | 0.44 (CI 0.30-0.59; PI 0.05-0.92; I2 98%) | 0.57 |
| ULTSH -35%|LLFT4 -10% | 0.98 (CI 0.87-1.00; PI 0.07-1.00; I2 87%) | 0.53 (CI 0.38-0.67; PI 0.07-0.94; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 -10% | 0.96 (CI 0.83-0.99; PI 0.04-1.00; I2 89%) | 0.59 (CI 0.45-0.72; PI 0.11-0.95; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 -10% | 0.93 (CI 0.73-0.99; PI 0.02-1.00; I2 90%) | 0.65 (CI 0.53-0.76; PI 0.17-0.95; I2 96%) | 0.65 |
| ULTSH -20%|LLFT4 -10% | 0.88 (CI 0.64-0.97; PI 0.02-1.00; I2 95%) | 0.71 (CI 0.58-0.81; PI 0.20-0.96; I2 95%) | 0.68 |
| ULTSH -15%|LLFT4 -10% | 0.79 (CI 0.50-0.93; PI 0.01-1.00; I2 95%) | 0.74 (CI 0.63-0.82; PI 0.26-0.96; I2 94%) | 0.65 |
| ULTSH -10%|LLFT4 -10% | 0.66 (CI 0.37-0.87; PI 0.01-1.00; I2 95%) | 0.74 (CI 0.63-0.83; PI 0.28-0.95; I2 92%) | 0.57 |
| ULTSH -5%|LLFT4 -10% | 0.60 (CI 0.31-0.84; PI 0.01-1.00; I2 94%) | 0.76 (CI 0.65-0.84; PI 0.29-0.96; I2 89%) | 0.55 |
| ULTSH NP|LLFT4 -10% | 0.49 (CI 0.23-0.75; PI 0.01-0.99; I2 94%) | 0.77 (CI 0.66-0.85; PI 0.31-0.96; I2 88%) | 0.50 |
| ULTSH -50%|LLFT4 -5% | 1.00 (CI 0.97-1.00; PI 0.25-1.00; I2 0%) | 0.28 (CI 0.18-0.40; PI 0.03-0.81; I2 98%) | 0.44 |
| ULTSH -45%|LLFT4 -5% | 1.00 (CI 1.00-1.00; PI 0.23-1.00; I2 0%) | 0.36 (CI 0.24-0.51; PI 0.04-0.89; I2 98%) | 0.52 |
| ULTSH -40%|LLFT4 -5% | 0.99 (CI 0.93-1.00; PI 0.06-1.00; I2 69%) | 0.44 (CI 0.30-0.59; PI 0.05-0.92; I2 98%) | 0.57 |
| ULTSH -35%|LLFT4 -5% | 0.97 (CI 0.86-1.00; PI 0.06-1.00; I2 86%) | 0.53 (CI 0.38-0.68; PI 0.07-0.95; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 -5% | 0.96 (CI 0.82-0.99; PI 0.03-1.00; I2 89%) | 0.60 (CI 0.46-0.73; PI 0.11-0.95; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 -5% | 0.93 (CI 0.72-0.99; PI 0.02-1.00; I2 90%) | 0.66 (CI 0.53-0.77; PI 0.17-0.95; I2 96%) | 0.65 |
| ULTSH -20%|LLFT4 -5% | 0.88 (CI 0.63-0.97; PI 0.02-1.00; I2 95%) | 0.72 (CI 0.59-0.82; PI 0.20-0.96; I2 95%) | 0.68 |
| ULTSH -15%|LLFT4 -5% | 0.78 (CI 0.49-0.93; PI 0.01-1.00; I2 95%) | 0.75 (CI 0.64-0.83; PI 0.26-0.96; I2 94%) | 0.65 |
| ULTSH -10%|LLFT4 -5% | 0.65 (CI 0.36-0.86; PI 0.01-1.00; I2 94%) | 0.75 (CI 0.64-0.84; PI 0.28-0.96; I2 92%) | 0.57 |
| ULTSH -5%|LLFT4 -5% | 0.60 (CI 0.30-0.83; PI 0.01-1.00; I2 94%) | 0.77 (CI 0.67-0.85; PI 0.31-0.96; I2 90%) | 0.55 |
| ULTSH NP|LLFT4 -5% | 0.49 (CI 0.23-0.75; PI 0.01-0.99; I2 94%) | 0.78 (CI 0.68-0.86; PI 0.33-0.96; I2 89%) | 0.50 |
| ULTSH -50%|LLFT4 NP | 0.99 (CI 0.95-1.00; PI 0.20-1.00; I2 29%) | 0.28 (CI 0.18-0.40; PI 0.03-0.82; I2 98%) | 0.44 |
| ULTSH -45%|LLFT4 NP | 0.99 (CI 0.93-1.00; PI 0.14-1.00; I2 17%) | 0.37 (CI 0.24-0.53; PI 0.03-0.91; I2 98%) | 0.52 |
| ULTSH -40%|LLFT4 NP | 0.97 (CI 0.89-0.99; PI 0.09-1.00; I2 71%) | 0.46 (CI 0.31-0.61; PI 0.05-0.93; I2 98%) | 0.57 |
| ULTSH -35%|LLFT4 NP | 0.93 (CI 0.81-0.98; PI 0.10-1.00; I2 87%) | 0.55 (CI 0.39-0.70; PI 0.07-0.95; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 NP | 0.91 (CI 0.75-0.97; PI 0.06-1.00; I2 89%) | 0.62 (CI 0.47-0.75; PI 0.11-0.96; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 NP | 0.86 (CI 0.65-0.95; PI 0.04-1.00; I2 90%) | 0.67 (CI 0.54-0.78; PI 0.17-0.95; I2 96%) | 0.65 |
| ULTSH -20%|LLFT4 NP | 0.79 (CI 0.58-0.91; PI 0.05-1.00; I2 95%) | 0.74 (CI 0.61-0.84; PI 0.18-0.97; I2 94%) | 0.67 |
| ULTSH -15%|LLFT4 NP | 0.70 (CI 0.45-0.87; PI 0.03-0.99; I2 95%) | 0.77 (CI 0.65-0.86; PI 0.25-0.97; I2 93%) | 0.62 |
| ULTSH -10%|LLFT4 NP | 0.60 (CI 0.34-0.81; PI 0.01-0.99; I2 94%) | 0.78 (CI 0.66-0.86; PI 0.28-0.97; I2 91%) | 0.56 |
| ULTSH -5%|LLFT4 NP | 0.56 (CI 0.29-0.79; PI 0.01-0.99; I2 94%) | 0.80 (CI 0.69-0.87; PI 0.30-0.97; I2 89%) | 0.54 |
| ULTSH NP|LLFT4 NP | 0.47 (CI 0.22-0.73; PI 0.01-0.99; I2 93%) | 0.81 (CI 0.70-0.88; PI 0.32-0.97; I2 89%) | 0.49 |
| ULTSH -50%|LLFT4 +5% | 0.98 (CI 0.92-0.99; PI 0.26-1.00; I2 77%) | 0.29 (CI 0.18-0.41; PI 0.03-0.84; I2 98%) | 0.44 |
| ULTSH -45%|LLFT4 +5% | 0.97 (CI 0.89-0.99; PI 0.15-1.00; I2 75%) | 0.39 (CI 0.24-0.57; PI 0.03-0.94; I2 98%) | 0.52 |
| ULTSH -40%|LLFT4 +5% | 0.95 (CI 0.85-0.99; PI 0.12-1.00; I2 86%) | 0.48 (CI 0.31-0.65; PI 0.04-0.95; I2 97%) | 0.57 |
| ULTSH -35%|LLFT4 +5% | 0.90 (CI 0.77-0.96; PI 0.16-1.00; I2 91%) | 0.57 (CI 0.40-0.73; PI 0.06-0.97; I2 97%) | 0.62 |
| ULTSH -30%|LLFT4 +5% | 0.87 (CI 0.71-0.95; PI 0.10-1.00; I2 93%) | 0.65 (CI 0.49-0.78; PI 0.10-0.97; I2 96%) | 0.64 |
| ULTSH -25%|LLFT4 +5% | 0.80 (CI 0.61-0.91; PI 0.07-1.00; I2 94%) | 0.70 (CI 0.57-0.81; PI 0.16-0.97; I2 96%) | 0.64 |
| ULTSH -20%|LLFT4 +5% | 0.76 (CI 0.54-0.89; PI 0.04-1.00; I2 95%) | 0.78 (CI 0.64-0.88; PI 0.16-0.99; I2 93%) | 0.66 |
| ULTSH -15%|LLFT4 +5% | 0.66 (CI 0.42-0.84; PI 0.03-0.99; I2 95%) | 0.81 (CI 0.68-0.89; PI 0.24-0.98; I2 92%) | 0.61 |
| ULTSH -10%|LLFT4 +5% | 0.58 (CI 0.32-0.80; PI 0.01-0.99; I2 94%) | 0.81 (CI 0.70-0.89; PI 0.28-0.98; I2 91%) | 0.54 |
| ULTSH -5%|LLFT4 +5% | 0.54 (CI 0.27-0.78; PI 0.01-0.99; I2 93%) | 0.83 (CI 0.73-0.90; PI 0.33-0.98; I2 89%) | 0.53 |
| ULTSH NP|LLFT4 +5% | 0.45 (CI 0.21-0.72; PI 0.01-0.99; I2 93%) | 0.86 (CI 0.75-0.92; PI 0.31-0.99; I2 87%) | 0.49 |
| ULTSH -50%|LLFT4 +10% | 0.97 (CI 0.89-0.99; PI 0.12-1.00; I2 79%) | 0.29 (CI 0.19-0.41; PI 0.03-0.83; I2 98%) | 0.43 |
| ULTSH -45%|LLFT4 +10% | 0.97 (CI 0.87-0.99; PI 0.08-1.00; I2 75%) | 0.39 (CI 0.24-0.56; PI 0.03-0.93; I2 97%) | 0.51 |
| ULTSH -40%|LLFT4 +10% | 0.95 (CI 0.81-0.99; PI 0.07-1.00; I2 85%) | 0.48 (CI 0.32-0.65; PI 0.04-0.95; I2 97%) | 0.57 |
| ULTSH -35%|LLFT4 +10% | 0.88 (CI 0.73-0.95; PI 0.12-1.00; I2 91%) | 0.58 (CI 0.40-0.74; PI 0.06-0.97; I2 97%) | 0.61 |
| ULTSH -30%|LLFT4 +10% | 0.84 (CI 0.66-0.93; PI 0.08-1.00; I2 92%) | 0.66 (CI 0.49-0.79; PI 0.09-0.97; I2 96%) | 0.63 |
| ULTSH -25%|LLFT4 +10% | 0.76 (CI 0.57-0.89; PI 0.06-0.99; I2 93%) | 0.71 (CI 0.57-0.82; PI 0.15-0.97; I2 96%) | 0.63 |
| ULTSH -20%|LLFT4 +10% | 0.72 (CI 0.49-0.87; PI 0.04-0.99; I2 94%) | 0.79 (CI 0.64-0.89; PI 0.15-0.99; I2 93%) | 0.64 |
| ULTSH -15%|LLFT4 +10% | 0.63 (CI 0.38-0.82; PI 0.02-0.99; I2 94%) | 0.81 (CI 0.69-0.89; PI 0.23-0.98; I2 91%) | 0.58 |
| ULTSH -10%|LLFT4 +10% | 0.54 (CI 0.29-0.77; PI 0.01-0.99; I2 92%) | 0.81 (CI 0.70-0.89; PI 0.29-0.98; I2 90%) | 0.52 |
| ULTSH -5%|LLFT4 +10% | 0.50 (CI 0.24-0.75; PI 0.01-0.99; I2 92%) | 0.83 (CI 0.73-0.90; PI 0.33-0.98; I2 88%) | 0.50 |
| ULTSH NP|LLFT4 +10% | 0.42 (CI 0.19-0.69; PI 0.01-0.99; I2 92%) | 0.86 (CI 0.75-0.93; PI 0.31-0.99; I2 85%) | 0.46 |
| ULTSH -50%|LLFT4 +15% | 0.93 (CI 0.78-0.98; PI 0.06-1.00; I2 85%) | 0.29 (CI 0.18-0.42; PI 0.03-0.84; I2 98%) | 0.42 |
| ULTSH -45%|LLFT4 +15% | 0.92 (CI 0.75-0.98; PI 0.05-1.00; I2 83%) | 0.39 (CI 0.24-0.57; PI 0.03-0.94; I2 97%) | 0.50 |
| ULTSH -40%|LLFT4 +15% | 0.87 (CI 0.69-0.95; PI 0.06-1.00; I2 88%) | 0.50 (CI 0.31-0.68; PI 0.03-0.97; I2 97%) | 0.55 |
| ULTSH -35%|LLFT4 +15% | 0.77 (CI 0.62-0.87; PI 0.13-0.99; I2 92%) | 0.60 (CI 0.41-0.77; PI 0.05-0.98; I2 97%) | 0.59 |
| ULTSH -30%|LLFT4 +15% | 0.71 (CI 0.55-0.84; PI 0.11-0.98; I2 93%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 96%) | 0.60 |
| ULTSH -25%|LLFT4 +15% | 0.63 (CI 0.47-0.77; PI 0.09-0.97; I2 93%) | 0.73 (CI 0.58-0.84; PI 0.14-0.98; I2 96%) | 0.59 |
| ULTSH -20%|LLFT4 +15% | 0.59 (CI 0.41-0.74; PI 0.06-0.97; I2 94%) | 0.80 (CI 0.65-0.90; PI 0.15-0.99; I2 93%) | 0.58 |
| ULTSH -15%|LLFT4 +15% | 0.50 (CI 0.32-0.68; PI 0.04-0.96; I2 93%) | 0.83 (CI 0.70-0.91; PI 0.22-0.99; I2 91%) | 0.53 |
| ULTSH -10%|LLFT4 +15% | 0.41 (CI 0.24-0.62; PI 0.02-0.96; I2 92%) | 0.82 (CI 0.70-0.90; PI 0.26-0.98; I2 89%) | 0.46 |
| ULTSH -5%|LLFT4 +15% | 0.38 (CI 0.21-0.59; PI 0.01-0.96; I2 92%) | 0.84 (CI 0.74-0.91; PI 0.33-0.98; I2 87%) | 0.45 |
| ULTSH NP|LLFT4 +15% | 0.32 (CI 0.16-0.54; PI 0.01-0.96; I2 93%) | 0.87 (CI 0.77-0.94; PI 0.32-0.99; I2 85%) | 0.41 |
| ULTSH -50%|LLFT4 +20% | 0.87 (CI 0.69-0.96; PI 0.05-1.00; I2 89%) | 0.28 (CI 0.18-0.42; PI 0.03-0.84; I2 98%) | 0.41 |
| ULTSH -45%|LLFT4 +20% | 0.86 (CI 0.66-0.95; PI 0.05-1.00; I2 87%) | 0.39 (CI 0.24-0.57; PI 0.03-0.94; I2 97%) | 0.49 |
| ULTSH -40%|LLFT4 +20% | 0.80 (CI 0.60-0.91; PI 0.06-1.00; I2 89%) | 0.50 (CI 0.31-0.68; PI 0.03-0.97; I2 97%) | 0.54 |
| ULTSH -35%|LLFT4 +20% | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 92%) | 0.61 (CI 0.41-0.78; PI 0.04-0.98; I2 96%) | 0.57 |
| ULTSH -30%|LLFT4 +20% | 0.63 (CI 0.48-0.76; PI 0.10-0.96; I2 92%) | 0.68 (CI 0.49-0.82; PI 0.07-0.98; I2 96%) | 0.57 |
| ULTSH -25%|LLFT4 +20% | 0.54 (CI 0.40-0.68; PI 0.09-0.93; I2 92%) | 0.73 (CI 0.57-0.84; PI 0.13-0.98; I2 95%) | 0.55 |
| ULTSH -20%|LLFT4 +20% | 0.50 (CI 0.35-0.65; PI 0.06-0.93; I2 92%) | 0.80 (CI 0.64-0.89; PI 0.14-0.99; I2 92%) | 0.54 |
| ULTSH -15%|LLFT4 +20% | 0.42 (CI 0.27-0.58; PI 0.04-0.92; I2 92%) | 0.82 (CI 0.68-0.90; PI 0.20-0.99; I2 90%) | 0.48 |
| ULTSH -10%|LLFT4 +20% | 0.34 (CI 0.21-0.51; PI 0.03-0.91; I2 91%) | 0.81 (CI 0.69-0.90; PI 0.25-0.98; I2 88%) | 0.42 |
| ULTSH -5%|LLFT4 +20% | 0.32 (CI 0.19-0.48; PI 0.02-0.91; I2 91%) | 0.84 (CI 0.73-0.91; PI 0.32-0.98; I2 85%) | 0.40 |
| ULTSH NP|LLFT4 +20% | 0.26 (CI 0.14-0.43; PI 0.01-0.90; I2 92%) | 0.86 (CI 0.75-0.93; PI 0.30-0.99; I2 84%) | 0.36 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 9 – Diagnostic performance for overt hypothyroidism with absolute modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.2|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.3|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.4|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.5|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.6|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.7|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.8|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.9|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -1.0|LLFT4 -5 | 0.12 (CI 0.09-0.18; PI 0.08-0.18; I2 0%) | 0.38 (CI 0.22-0.58; PI 0.21-0.60; I2 0%) | 0.16 |
| ULTSH -0.1|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.2|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.3|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.4|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.5|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.6|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.7|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.8|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.9|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -1.0|LLFT4 -4 | 0.15 (CI 0.11-0.21; PI 0.11-0.21; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.32-0.68; I2 0%) | 0.21 |
| ULTSH -0.1|LLFT4 -3 | 0.17 (CI 0.12-0.22; PI 0.12-0.23; I2 0%) | 0.54 (CI 0.38-0.70; PI 0.36-0.71; I2 0%) | 0.24 |
| ULTSH -0.2|LLFT4 -3 | 0.17 (CI 0.12-0.24; PI 0.10-0.30; I2 0%) | 0.56 (CI 0.39-0.71; PI 0.38-0.72; I2 0%) | 0.25 |
| ULTSH -0.3|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.4|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.5|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.6|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.7|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.8|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.9|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -1.0|LLFT4 -3 | 0.18 (CI 0.13-0.26; PI 0.08-0.38; I2 0%) | 0.57 (CI 0.41-0.72; PI 0.39-0.73; I2 0%) | 0.26 |
| ULTSH -0.1|LLFT4 -2 | 0.26 (CI 0.15-0.41; PI 0.03-0.79; I2 54%) | 0.64 (CI 0.51-0.76; PI 0.49-0.77; I2 0%) | 0.33 |
| ULTSH -0.2|LLFT4 -2 | 0.26 (CI 0.15-0.43; PI 0.03-0.83; I2 53%) | 0.64 (CI 0.42-0.81; PI 0.38-0.84; I2 0%) | 0.34 |
| ULTSH -0.3|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.63 (CI 0.42-0.80; PI 0.32-0.86; I2 0%) | 0.35 |
| ULTSH -0.4|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.63 (CI 0.42-0.80; PI 0.32-0.86; I2 0%) | 0.35 |
| ULTSH -0.5|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.63 (CI 0.42-0.80; PI 0.32-0.86; I2 0%) | 0.35 |
| ULTSH -0.6|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.65 (CI 0.52-0.76; PI 0.50-0.77; I2 0%) | 0.34 |
| ULTSH -0.7|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.64 (CI 0.51-0.75; PI 0.50-0.76; I2 0%) | 0.34 |
| ULTSH -0.8|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.63 (CI 0.50-0.74; PI 0.49-0.75; I2 0%) | 0.33 |
| ULTSH -0.9|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.33 |
| ULTSH -1.0|LLFT4 -2 | 0.29 (CI 0.14-0.50; PI 0.02-0.92; I2 0%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.33 |
| ULTSH -0.1|LLFT4 -1 | 0.32 (CI 0.20-0.48; PI 0.05-0.82; I2 54%) | 0.66 (CI 0.54-0.76; PI 0.53-0.77; I2 0%) | 0.40 |
| ULTSH -0.2|LLFT4 -1 | 0.33 (CI 0.20-0.50; PI 0.04-0.85; I2 55%) | 0.66 (CI 0.55-0.76; PI 0.54-0.77; I2 0%) | 0.40 |
| ULTSH -0.3|LLFT4 -1 | 0.36 (CI 0.20-0.57; PI 0.03-0.93; I2 9%) | 0.66 (CI 0.55-0.76; PI 0.54-0.77; I2 0%) | 0.41 |
| ULTSH -0.4|LLFT4 -1 | 0.36 (CI 0.20-0.57; PI 0.03-0.93; I2 9%) | 0.65 (CI 0.54-0.75; PI 0.53-0.76; I2 0%) | 0.41 |
| ULTSH -0.5|LLFT4 -1 | 0.36 (CI 0.20-0.57; PI 0.03-0.93; I2 9%) | 0.65 (CI 0.54-0.75; PI 0.53-0.76; I2 0%) | 0.41 |
| ULTSH -0.6|LLFT4 -1 | 0.38 (CI 0.20-0.60; PI 0.02-0.95; I2 17%) | 0.62 (CI 0.50-0.74; PI 0.41-0.80; I2 0%) | 0.41 |
| ULTSH -0.7|LLFT4 -1 | 0.38 (CI 0.20-0.60; PI 0.02-0.95; I2 17%) | 0.61 (CI 0.46-0.74; PI 0.31-0.84; I2 0%) | 0.41 |
| ULTSH -0.8|LLFT4 -1 | 0.38 (CI 0.20-0.60; PI 0.02-0.95; I2 17%) | 0.60 (CI 0.45-0.74; PI 0.28-0.85; I2 0%) | 0.40 |
| ULTSH -0.9|LLFT4 -1 | 0.39 (CI 0.20-0.61; PI 0.02-0.95; I2 19%) | 0.58 (CI 0.42-0.72; PI 0.23-0.86; I2 0%) | 0.40 |
| ULTSH -1.0|LLFT4 -1 | 0.39 (CI 0.20-0.61; PI 0.02-0.95; I2 19%) | 0.58 (CI 0.42-0.72; PI 0.23-0.86; I2 0%) | 0.40 |
| ULTSH -0.1|LLFT4 +0 | 0.49 (CI 0.33-0.65; PI 0.08-0.91; I2 59%) | 0.65 (CI 0.44-0.81; PI 0.12-0.96; I2 29%) | 0.54 |
| ULTSH -0.2|LLFT4 +0 | 0.50 (CI 0.33-0.67; PI 0.07-0.92; I2 60%) | 0.65 (CI 0.45-0.80; PI 0.14-0.95; I2 23%) | 0.54 |
| ULTSH -0.3|LLFT4 +0 | 0.53 (CI 0.32-0.73; PI 0.05-0.96; I2 48%) | 0.64 (CI 0.46-0.79; PI 0.16-0.94; I2 28%) | 0.54 |
| ULTSH -0.4|LLFT4 +0 | 0.54 (CI 0.33-0.73; PI 0.05-0.96; I2 46%) | 0.64 (CI 0.46-0.79; PI 0.17-0.94; I2 29%) | 0.54 |
| ULTSH -0.5|LLFT4 +0 | 0.55 (CI 0.34-0.74; PI 0.05-0.96; I2 47%) | 0.59 (CI 0.39-0.77; PI 0.09-0.96; I2 33%) | 0.53 |
| ULTSH -0.6|LLFT4 +0 | 0.58 (CI 0.34-0.79; PI 0.04-0.98; I2 44%) | 0.57 (CI 0.35-0.77; PI 0.06-0.96; I2 46%) | 0.53 |
| ULTSH -0.7|LLFT4 +0 | 0.58 (CI 0.34-0.79; PI 0.04-0.98; I2 44%) | 0.55 (CI 0.35-0.74; PI 0.07-0.95; I2 45%) | 0.52 |
| ULTSH -0.8|LLFT4 +0 | 0.59 (CI 0.34-0.79; PI 0.04-0.98; I2 47%) | 0.54 (CI 0.33-0.74; PI 0.06-0.96; I2 49%) | 0.51 |
| ULTSH -0.9|LLFT4 +0 | 0.60 (CI 0.35-0.81; PI 0.03-0.98; I2 53%) | 0.51 (CI 0.30-0.72; PI 0.05-0.96; I2 55%) | 0.50 |
| ULTSH -1.0|LLFT4 +0 | 0.60 (CI 0.35-0.81; PI 0.03-0.98; I2 53%) | 0.50 (CI 0.29-0.71; PI 0.04-0.96; I2 56%) | 0.49 |
| ULTSH -0.1|LLFT4 +1 | 0.73 (CI 0.51-0.88; PI 0.08-0.99; I2 64%) | 0.57 (CI 0.45-0.69; PI 0.23-0.86; I2 43%) | 0.62 |
| ULTSH -0.2|LLFT4 +1 | 0.74 (CI 0.52-0.89; PI 0.08-0.99; I2 66%) | 0.57 (CI 0.45-0.68; PI 0.24-0.84; I2 39%) | 0.62 |
| ULTSH -0.3|LLFT4 +1 | 0.78 (CI 0.53-0.92; PI 0.05-1.00; I2 59%) | 0.56 (CI 0.44-0.67; PI 0.24-0.84; I2 41%) | 0.62 |
| ULTSH -0.4|LLFT4 +1 | 0.79 (CI 0.54-0.92; PI 0.06-1.00; I2 59%) | 0.55 (CI 0.44-0.67; PI 0.23-0.83; I2 41%) | 0.61 |
| ULTSH -0.5|LLFT4 +1 | 0.80 (CI 0.56-0.92; PI 0.06-1.00; I2 61%) | 0.53 (CI 0.42-0.65; PI 0.22-0.83; I2 40%) | 0.60 |
| ULTSH -0.6|LLFT4 +1 | 0.83 (CI 0.57-0.95; PI 0.05-1.00; I2 60%) | 0.51 (CI 0.39-0.64; PI 0.17-0.84; I2 49%) | 0.59 |
| ULTSH -0.7|LLFT4 +1 | 0.83 (CI 0.57-0.95; PI 0.05-1.00; I2 60%) | 0.48 (CI 0.35-0.60; PI 0.15-0.83; I2 52%) | 0.56 |
| ULTSH -0.8|LLFT4 +1 | 0.84 (CI 0.58-0.95; PI 0.05-1.00; I2 62%) | 0.47 (CI 0.34-0.60; PI 0.13-0.84; I2 57%) | 0.56 |
| ULTSH -0.9|LLFT4 +1 | 0.89 (CI 0.60-0.98; PI 0.03-1.00; I2 43%) | 0.44 (CI 0.31-0.59; PI 0.09-0.86; I2 62%) | 0.54 |
| ULTSH -1.0|LLFT4 +1 | 0.89 (CI 0.60-0.98; PI 0.03-1.00; I2 43%) | 0.42 (CI 0.28-0.58; PI 0.07-0.87; I2 65%) | 0.52 |
| ULTSH -0.1|LLFT4 +2 | 0.84 (CI 0.66-0.94; PI 0.15-0.99; I2 22%) | 0.47 (CI 0.32-0.63; PI 0.08-0.90; I2 52%) | 0.56 |
| ULTSH -0.2|LLFT4 +2 | 0.85 (CI 0.66-0.94; PI 0.14-0.99; I2 27%) | 0.46 (CI 0.31-0.62; PI 0.07-0.90; I2 52%) | 0.55 |
| ULTSH -0.3|LLFT4 +2 | 0.89 (CI 0.68-0.97; PI 0.10-1.00; I2 1%) | 0.45 (CI 0.30-0.61; PI 0.07-0.90; I2 53%) | 0.54 |
| ULTSH -0.4|LLFT4 +2 | 0.89 (CI 0.68-0.97; PI 0.11-1.00; I2 0%) | 0.44 (CI 0.29-0.60; PI 0.06-0.90; I2 55%) | 0.54 |
| ULTSH -0.5|LLFT4 +2 | 0.89 (CI 0.71-0.97; PI 0.15-1.00; I2 0%) | 0.43 (CI 0.26-0.61; PI 0.04-0.93; I2 60%) | 0.55 |
| ULTSH -0.6|LLFT4 +2 | 0.92 (CI 0.73-0.98; PI 0.12-1.00; I2 0%) | 0.40 (CI 0.24-0.59; PI 0.03-0.93; I2 62%) | 0.53 |
| ULTSH -0.7|LLFT4 +2 | 0.92 (CI 0.73-0.98; PI 0.12-1.00; I2 0%) | 0.37 (CI 0.21-0.57; PI 0.02-0.94; I2 65%) | 0.50 |
| ULTSH -0.8|LLFT4 +2 | 0.92 (CI 0.74-0.98; PI 0.13-1.00; I2 7%) | 0.36 (CI 0.20-0.57; PI 0.02-0.94; I2 68%) | 0.49 |
| ULTSH -0.9|LLFT4 +2 | 0.96 (CI 0.76-0.99; PI 0.08-1.00; I2 0%) | 0.34 (CI 0.18-0.56; PI 0.01-0.95; I2 70%) | 0.48 |
| ULTSH -1.0|LLFT4 +2 | 0.96 (CI 0.76-0.99; PI 0.08-1.00; I2 0%) | 0.32 (CI 0.16-0.55; PI 0.01-0.95; I2 72%) | 0.45 |
| ULTSH -0.1|LLFT4 +3 | 0.84 (CI 0.67-0.94; PI 0.18-0.99; I2 2%) | 0.35 (CI 0.21-0.52; PI 0.04-0.88; I2 61%) | 0.48 |
| ULTSH -0.2|LLFT4 +3 | 0.85 (CI 0.68-0.94; PI 0.17-0.99; I2 10%) | 0.33 (CI 0.20-0.49; PI 0.04-0.87; I2 64%) | 0.46 |
| ULTSH -0.3|LLFT4 +3 | 0.89 (CI 0.69-0.97; PI 0.12-1.00; I2 0%) | 0.32 (CI 0.19-0.49; PI 0.03-0.87; I2 65%) | 0.45 |
| ULTSH -0.4|LLFT4 +3 | 0.89 (CI 0.70-0.96; PI 0.13-1.00; I2 0%) | 0.31 (CI 0.19-0.47; PI 0.03-0.86; I2 67%) | 0.45 |
| ULTSH -0.5|LLFT4 +3 | 0.89 (CI 0.72-0.96; PI 0.19-1.00; I2 0%) | 0.30 (CI 0.17-0.48; PI 0.02-0.89; I2 73%) | 0.45 |
| ULTSH -0.6|LLFT4 +3 | 0.92 (CI 0.74-0.98; PI 0.15-1.00; I2 0%) | 0.28 (CI 0.16-0.46; PI 0.02-0.89; I2 73%) | 0.43 |
| ULTSH -0.7|LLFT4 +3 | 0.92 (CI 0.74-0.98; PI 0.15-1.00; I2 0%) | 0.25 (CI 0.13-0.43; PI 0.01-0.90; I2 76%) | 0.39 |
| ULTSH -0.8|LLFT4 +3 | 0.92 (CI 0.75-0.98; PI 0.17-1.00; I2 0%) | 0.24 (CI 0.12-0.42; PI 0.01-0.90; I2 77%) | 0.38 |
| ULTSH -0.9|LLFT4 +3 | 0.96 (CI 0.77-0.99; PI 0.09-1.00; I2 0%) | 0.22 (CI 0.11-0.40; PI 0.01-0.89; I2 78%) | 0.36 |
| ULTSH -1.0|LLFT4 +3 | 0.96 (CI 0.77-0.99; PI 0.09-1.00; I2 0%) | 0.21 (CI 0.10-0.37; PI 0.01-0.88; I2 78%) | 0.34 |
| ULTSH -0.1|LLFT4 +4 | 0.85 (CI 0.68-0.93; PI 0.20-0.99; I2 0%) | 0.27 (CI 0.17-0.39; PI 0.04-0.76; I2 67%) | 0.41 |
| ULTSH -0.2|LLFT4 +4 | 0.85 (CI 0.69-0.94; PI 0.21-0.99; I2 0%) | 0.24 (CI 0.15-0.37; PI 0.03-0.75; I2 69%) | 0.39 |
| ULTSH -0.3|LLFT4 +4 | 0.89 (CI 0.70-0.96; PI 0.15-1.00; I2 0%) | 0.24 (CI 0.15-0.36; PI 0.03-0.75; I2 70%) | 0.38 |
| ULTSH -0.4|LLFT4 +4 | 0.89 (CI 0.71-0.96; PI 0.17-1.00; I2 0%) | 0.23 (CI 0.14-0.36; PI 0.03-0.77; I2 73%) | 0.38 |
| ULTSH -0.5|LLFT4 +4 | 0.89 (CI 0.74-0.96; PI 0.26-1.00; I2 0%) | 0.21 (CI 0.12-0.35; PI 0.02-0.80; I2 78%) | 0.36 |
| ULTSH -0.6|LLFT4 +4 | 0.91 (CI 0.75-0.97; PI 0.21-1.00; I2 0%) | 0.20 (CI 0.11-0.33; PI 0.02-0.80; I2 78%) | 0.35 |
| ULTSH -0.7|LLFT4 +4 | 0.91 (CI 0.75-0.97; PI 0.21-1.00; I2 0%) | 0.18 (CI 0.10-0.31; PI 0.01-0.80; I2 79%) | 0.32 |
| ULTSH -0.8|LLFT4 +4 | 0.92 (CI 0.77-0.98; PI 0.24-1.00; I2 0%) | 0.17 (CI 0.09-0.30; PI 0.01-0.80; I2 80%) | 0.31 |
| ULTSH -0.9|LLFT4 +4 | 0.95 (CI 0.79-0.99; PI 0.14-1.00; I2 0%) | 0.16 (CI 0.08-0.28; PI 0.01-0.79; I2 80%) | 0.29 |
| ULTSH -1.0|LLFT4 +4 | 0.95 (CI 0.79-0.99; PI 0.14-1.00; I2 0%) | 0.15 (CI 0.07-0.26; PI 0.01-0.78; I2 80%) | 0.27 |
| ULTSH -0.1|LLFT4 +5 | 0.85 (CI 0.68-0.93; PI 0.20-0.99; I2 0%) | 0.22 (CI 0.15-0.30; PI 0.05-0.58; I2 68%) | 0.36 |
| ULTSH -0.2|LLFT4 +5 | 0.85 (CI 0.69-0.94; PI 0.21-0.99; I2 0%) | 0.20 (CI 0.13-0.28; PI 0.04-0.57; I2 70%) | 0.33 |
| ULTSH -0.3|LLFT4 +5 | 0.89 (CI 0.70-0.96; PI 0.15-1.00; I2 0%) | 0.19 (CI 0.13-0.27; PI 0.04-0.57; I2 71%) | 0.33 |
| ULTSH -0.4|LLFT4 +5 | 0.89 (CI 0.71-0.96; PI 0.17-1.00; I2 0%) | 0.18 (CI 0.12-0.27; PI 0.03-0.58; I2 74%) | 0.32 |
| ULTSH -0.5|LLFT4 +5 | 0.89 (CI 0.74-0.96; PI 0.26-1.00; I2 0%) | 0.17 (CI 0.11-0.26; PI 0.02-0.63; I2 79%) | 0.31 |
| ULTSH -0.6|LLFT4 +5 | 0.91 (CI 0.75-0.97; PI 0.21-1.00; I2 0%) | 0.16 (CI 0.10-0.25; PI 0.02-0.62; I2 80%) | 0.29 |
| ULTSH -0.7|LLFT4 +5 | 0.91 (CI 0.75-0.97; PI 0.21-1.00; I2 0%) | 0.15 (CI 0.09-0.23; PI 0.02-0.62; I2 81%) | 0.27 |
| ULTSH -0.8|LLFT4 +5 | 0.92 (CI 0.77-0.98; PI 0.24-1.00; I2 0%) | 0.14 (CI 0.08-0.22; PI 0.02-0.61; I2 82%) | 0.26 |
| ULTSH -0.9|LLFT4 +5 | 0.95 (CI 0.79-0.99; PI 0.14-1.00; I2 0%) | 0.13 (CI 0.07-0.21; PI 0.01-0.59; I2 82%) | 0.24 |
| ULTSH -1.0|LLFT4 +5 | 0.95 (CI 0.79-0.99; PI 0.14-1.00; I2 0%) | 0.12 (CI 0.07-0.19; PI 0.01-0.57; I2 83%) | 0.22 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 10 – Diagnostic performance for subclinical hypothyroidism with absolute modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.55 (CI 0.27-0.80; PI 0.01-0.99; I2 94%) | 0.71 (CI 0.63-0.79; PI 0.38-0.91; I2 88%) | 0.51 |
| ULTSH -0.2|LLFT4 -5 | 0.62 (CI 0.32-0.85; PI 0.01-1.00; I2 94%) | 0.71 (CI 0.62-0.78; PI 0.38-0.91; I2 88%) | 0.54 |
| ULTSH -0.3|LLFT4 -5 | 0.70 (CI 0.35-0.91; PI 0.00-1.00; I2 94%) | 0.70 (CI 0.62-0.78; PI 0.36-0.91; I2 90%) | 0.55 |
| ULTSH -0.4|LLFT4 -5 | 0.71 (CI 0.37-0.91; PI 0.01-1.00; I2 94%) | 0.69 (CI 0.60-0.77; PI 0.33-0.91; I2 91%) | 0.55 |
| ULTSH -0.5|LLFT4 -5 | 0.75 (CI 0.42-0.93; PI 0.01-1.00; I2 95%) | 0.69 (CI 0.59-0.78; PI 0.28-0.93; I2 92%) | 0.58 |
| ULTSH -0.6|LLFT4 -5 | 0.83 (CI 0.49-0.96; PI 0.01-1.00; I2 95%) | 0.69 (CI 0.59-0.78; PI 0.27-0.93; I2 93%) | 0.61 |
| ULTSH -0.7|LLFT4 -5 | 0.86 (CI 0.55-0.97; PI 0.01-1.00; I2 95%) | 0.68 (CI 0.56-0.78; PI 0.22-0.94; I2 94%) | 0.62 |
| ULTSH -0.8|LLFT4 -5 | 0.91 (CI 0.61-0.98; PI 0.01-1.00; I2 95%) | 0.67 (CI 0.55-0.78; PI 0.20-0.95; I2 95%) | 0.64 |
| ULTSH -0.9|LLFT4 -5 | 0.95 (CI 0.68-0.99; PI 0.00-1.00; I2 89%) | 0.65 (CI 0.53-0.75; PI 0.19-0.94; I2 95%) | 0.62 |
| ULTSH -1.0|LLFT4 -5 | 0.95 (CI 0.70-0.99; PI 0.01-1.00; I2 88%) | 0.64 (CI 0.51-0.75; PI 0.16-0.94; I2 96%) | 0.61 |
| ULTSH -0.1|LLFT4 -4 | 0.55 (CI 0.27-0.80; PI 0.01-0.99; I2 94%) | 0.72 (CI 0.63-0.79; PI 0.38-0.92; I2 88%) | 0.52 |
| ULTSH -0.2|LLFT4 -4 | 0.62 (CI 0.32-0.85; PI 0.01-1.00; I2 94%) | 0.71 (CI 0.63-0.79; PI 0.37-0.91; I2 89%) | 0.54 |
| ULTSH -0.3|LLFT4 -4 | 0.70 (CI 0.35-0.91; PI 0.00-1.00; I2 94%) | 0.71 (CI 0.62-0.78; PI 0.36-0.91; I2 90%) | 0.55 |
| ULTSH -0.4|LLFT4 -4 | 0.71 (CI 0.37-0.91; PI 0.01-1.00; I2 94%) | 0.70 (CI 0.61-0.78; PI 0.33-0.92; I2 91%) | 0.55 |
| ULTSH -0.5|LLFT4 -4 | 0.75 (CI 0.42-0.93; PI 0.01-1.00; I2 95%) | 0.70 (CI 0.59-0.78; PI 0.28-0.93; I2 92%) | 0.58 |
| ULTSH -0.6|LLFT4 -4 | 0.83 (CI 0.49-0.96; PI 0.01-1.00; I2 95%) | 0.70 (CI 0.59-0.78; PI 0.27-0.93; I2 93%) | 0.61 |
| ULTSH -0.7|LLFT4 -4 | 0.86 (CI 0.55-0.97; PI 0.01-1.00; I2 95%) | 0.68 (CI 0.57-0.78; PI 0.22-0.94; I2 94%) | 0.62 |
| ULTSH -0.8|LLFT4 -4 | 0.91 (CI 0.61-0.98; PI 0.01-1.00; I2 95%) | 0.68 (CI 0.55-0.78; PI 0.20-0.95; I2 95%) | 0.64 |
| ULTSH -0.9|LLFT4 -4 | 0.95 (CI 0.68-0.99; PI 0.00-1.00; I2 89%) | 0.65 (CI 0.53-0.76; PI 0.19-0.94; I2 95%) | 0.62 |
| ULTSH -1.0|LLFT4 -4 | 0.95 (CI 0.70-0.99; PI 0.01-1.00; I2 88%) | 0.64 (CI 0.51-0.75; PI 0.16-0.94; I2 96%) | 0.61 |
| ULTSH -0.1|LLFT4 -3 | 0.55 (CI 0.27-0.80; PI 0.01-0.99; I2 94%) | 0.72 (CI 0.64-0.80; PI 0.38-0.92; I2 88%) | 0.52 |
| ULTSH -0.2|LLFT4 -3 | 0.62 (CI 0.32-0.85; PI 0.01-1.00; I2 94%) | 0.72 (CI 0.63-0.79; PI 0.37-0.92; I2 89%) | 0.54 |
| ULTSH -0.3|LLFT4 -3 | 0.70 (CI 0.35-0.91; PI 0.00-1.00; I2 94%) | 0.72 (CI 0.63-0.79; PI 0.35-0.92; I2 90%) | 0.56 |
| ULTSH -0.4|LLFT4 -3 | 0.71 (CI 0.37-0.91; PI 0.01-1.00; I2 94%) | 0.71 (CI 0.61-0.79; PI 0.32-0.92; I2 91%) | 0.56 |
| ULTSH -0.5|LLFT4 -3 | 0.75 (CI 0.42-0.93; PI 0.01-1.00; I2 95%) | 0.70 (CI 0.60-0.79; PI 0.28-0.93; I2 93%) | 0.58 |
| ULTSH -0.6|LLFT4 -3 | 0.83 (CI 0.49-0.96; PI 0.01-1.00; I2 95%) | 0.70 (CI 0.59-0.79; PI 0.27-0.94; I2 93%) | 0.61 |
| ULTSH -0.7|LLFT4 -3 | 0.86 (CI 0.55-0.97; PI 0.01-1.00; I2 95%) | 0.69 (CI 0.57-0.78; PI 0.22-0.94; I2 94%) | 0.62 |
| ULTSH -0.8|LLFT4 -3 | 0.91 (CI 0.61-0.98; PI 0.01-1.00; I2 95%) | 0.68 (CI 0.56-0.78; PI 0.20-0.95; I2 95%) | 0.64 |
| ULTSH -0.9|LLFT4 -3 | 0.95 (CI 0.68-0.99; PI 0.00-1.00; I2 89%) | 0.66 (CI 0.53-0.76; PI 0.19-0.94; I2 95%) | 0.63 |
| ULTSH -1.0|LLFT4 -3 | 0.95 (CI 0.70-0.99; PI 0.01-1.00; I2 88%) | 0.64 (CI 0.51-0.75; PI 0.16-0.94; I2 96%) | 0.62 |
| ULTSH -0.1|LLFT4 -2 | 0.54 (CI 0.27-0.79; PI 0.01-0.99; I2 94%) | 0.75 (CI 0.65-0.83; PI 0.31-0.95; I2 89%) | 0.52 |
| ULTSH -0.2|LLFT4 -2 | 0.61 (CI 0.31-0.84; PI 0.01-1.00; I2 94%) | 0.75 (CI 0.64-0.83; PI 0.30-0.95; I2 89%) | 0.55 |
| ULTSH -0.3|LLFT4 -2 | 0.65 (CI 0.34-0.87; PI 0.01-1.00; I2 94%) | 0.74 (CI 0.64-0.82; PI 0.30-0.95; I2 90%) | 0.57 |
| ULTSH -0.4|LLFT4 -2 | 0.67 (CI 0.36-0.88; PI 0.01-1.00; I2 95%) | 0.73 (CI 0.62-0.81; PI 0.30-0.94; I2 92%) | 0.57 |
| ULTSH -0.5|LLFT4 -2 | 0.71 (CI 0.42-0.89; PI 0.01-1.00; I2 95%) | 0.72 (CI 0.61-0.81; PI 0.27-0.95; I2 93%) | 0.59 |
| ULTSH -0.6|LLFT4 -2 | 0.79 (CI 0.48-0.94; PI 0.01-1.00; I2 95%) | 0.71 (CI 0.60-0.80; PI 0.27-0.94; I2 93%) | 0.62 |
| ULTSH -0.7|LLFT4 -2 | 0.82 (CI 0.54-0.95; PI 0.01-1.00; I2 96%) | 0.69 (CI 0.58-0.79; PI 0.23-0.94; I2 94%) | 0.62 |
| ULTSH -0.8|LLFT4 -2 | 0.87 (CI 0.59-0.97; PI 0.01-1.00; I2 95%) | 0.68 (CI 0.56-0.79; PI 0.20-0.95; I2 95%) | 0.64 |
| ULTSH -0.9|LLFT4 -2 | 0.92 (CI 0.65-0.99; PI 0.01-1.00; I2 91%) | 0.66 (CI 0.54-0.76; PI 0.19-0.94; I2 95%) | 0.63 |
| ULTSH -1.0|LLFT4 -2 | 0.93 (CI 0.68-0.99; PI 0.01-1.00; I2 91%) | 0.65 (CI 0.52-0.76; PI 0.17-0.94; I2 96%) | 0.62 |
| ULTSH -0.1|LLFT4 -1 | 0.53 (CI 0.26-0.79; PI 0.01-0.99; I2 94%) | 0.76 (CI 0.66-0.84; PI 0.31-0.96; I2 89%) | 0.52 |
| ULTSH -0.2|LLFT4 -1 | 0.60 (CI 0.31-0.84; PI 0.01-1.00; I2 94%) | 0.76 (CI 0.65-0.84; PI 0.29-0.96; I2 89%) | 0.55 |
| ULTSH -0.3|LLFT4 -1 | 0.63 (CI 0.33-0.86; PI 0.01-1.00; I2 95%) | 0.75 (CI 0.65-0.84; PI 0.30-0.96; I2 91%) | 0.56 |
| ULTSH -0.4|LLFT4 -1 | 0.65 (CI 0.35-0.86; PI 0.01-1.00; I2 95%) | 0.74 (CI 0.63-0.83; PI 0.28-0.95; I2 92%) | 0.56 |
| ULTSH -0.5|LLFT4 -1 | 0.69 (CI 0.40-0.88; PI 0.01-1.00; I2 95%) | 0.73 (CI 0.62-0.82; PI 0.25-0.96; I2 93%) | 0.59 |
| ULTSH -0.6|LLFT4 -1 | 0.77 (CI 0.46-0.93; PI 0.01-1.00; I2 95%) | 0.73 (CI 0.62-0.82; PI 0.25-0.96; I2 93%) | 0.63 |
| ULTSH -0.7|LLFT4 -1 | 0.81 (CI 0.52-0.94; PI 0.01-1.00; I2 96%) | 0.70 (CI 0.59-0.80; PI 0.23-0.95; I2 94%) | 0.63 |
| ULTSH -0.8|LLFT4 -1 | 0.86 (CI 0.57-0.97; PI 0.01-1.00; I2 95%) | 0.69 (CI 0.57-0.79; PI 0.20-0.95; I2 95%) | 0.64 |
| ULTSH -0.9|LLFT4 -1 | 0.91 (CI 0.63-0.99; PI 0.01-1.00; I2 91%) | 0.66 (CI 0.54-0.77; PI 0.20-0.94; I2 95%) | 0.63 |
| ULTSH -1.0|LLFT4 -1 | 0.92 (CI 0.66-0.99; PI 0.01-1.00; I2 91%) | 0.65 (CI 0.52-0.76; PI 0.17-0.94; I2 96%) | 0.61 |
| ULTSH -0.1|LLFT4 +0 | 0.51 (CI 0.25-0.76; PI 0.01-0.99; I2 93%) | 0.80 (CI 0.69-0.88; PI 0.32-0.97; I2 89%) | 0.51 |
| ULTSH -0.2|LLFT4 +0 | 0.56 (CI 0.29-0.79; PI 0.01-0.99; I2 94%) | 0.80 (CI 0.69-0.87; PI 0.30-0.97; I2 89%) | 0.54 |
| ULTSH -0.3|LLFT4 +0 | 0.58 (CI 0.31-0.81; PI 0.01-0.99; I2 94%) | 0.79 (CI 0.68-0.87; PI 0.28-0.97; I2 90%) | 0.55 |
| ULTSH -0.4|LLFT4 +0 | 0.59 (CI 0.33-0.81; PI 0.01-0.99; I2 94%) | 0.78 (CI 0.67-0.86; PI 0.27-0.97; I2 91%) | 0.55 |
| ULTSH -0.5|LLFT4 +0 | 0.63 (CI 0.37-0.83; PI 0.02-0.99; I2 95%) | 0.77 (CI 0.65-0.85; PI 0.24-0.97; I2 92%) | 0.57 |
| ULTSH -0.6|LLFT4 +0 | 0.68 (CI 0.42-0.86; PI 0.02-1.00; I2 95%) | 0.76 (CI 0.64-0.85; PI 0.24-0.97; I2 93%) | 0.60 |
| ULTSH -0.7|LLFT4 +0 | 0.72 (CI 0.46-0.88; PI 0.02-1.00; I2 96%) | 0.74 (CI 0.61-0.83; PI 0.21-0.97; I2 93%) | 0.61 |
| ULTSH -0.8|LLFT4 +0 | 0.76 (CI 0.51-0.90; PI 0.03-1.00; I2 95%) | 0.73 (CI 0.59-0.83; PI 0.18-0.97; I2 94%) | 0.63 |
| ULTSH -0.9|LLFT4 +0 | 0.82 (CI 0.55-0.94; PI 0.02-1.00; I2 92%) | 0.69 (CI 0.57-0.79; PI 0.19-0.95; I2 95%) | 0.62 |
| ULTSH -1.0|LLFT4 +0 | 0.83 (CI 0.58-0.95; PI 0.02-1.00; I2 91%) | 0.67 (CI 0.54-0.78; PI 0.17-0.95; I2 96%) | 0.61 |
| ULTSH -0.1|LLFT4 +1 | 0.45 (CI 0.20-0.72; PI 0.01-0.99; I2 92%) | 0.84 (CI 0.74-0.91; PI 0.36-0.98; I2 88%) | 0.47 |
| ULTSH -0.2|LLFT4 +1 | 0.50 (CI 0.24-0.76; PI 0.01-0.99; I2 92%) | 0.83 (CI 0.73-0.90; PI 0.32-0.98; I2 88%) | 0.50 |
| ULTSH -0.3|LLFT4 +1 | 0.52 (CI 0.26-0.77; PI 0.01-0.99; I2 92%) | 0.83 (CI 0.72-0.90; PI 0.30-0.98; I2 89%) | 0.51 |
| ULTSH -0.4|LLFT4 +1 | 0.53 (CI 0.28-0.78; PI 0.01-0.99; I2 93%) | 0.81 (CI 0.70-0.89; PI 0.27-0.98; I2 90%) | 0.51 |
| ULTSH -0.5|LLFT4 +1 | 0.57 (CI 0.31-0.80; PI 0.01-0.99; I2 94%) | 0.80 (CI 0.68-0.89; PI 0.24-0.98; I2 91%) | 0.53 |
| ULTSH -0.6|LLFT4 +1 | 0.61 (CI 0.34-0.82; PI 0.01-0.99; I2 94%) | 0.80 (CI 0.67-0.89; PI 0.22-0.98; I2 91%) | 0.55 |
| ULTSH -0.7|LLFT4 +1 | 0.65 (CI 0.39-0.84; PI 0.02-0.99; I2 95%) | 0.78 (CI 0.64-0.88; PI 0.18-0.98; I2 92%) | 0.57 |
| ULTSH -0.8|LLFT4 +1 | 0.68 (CI 0.42-0.86; PI 0.02-1.00; I2 95%) | 0.77 (CI 0.62-0.88; PI 0.15-0.99; I2 92%) | 0.59 |
| ULTSH -0.9|LLFT4 +1 | 0.71 (CI 0.45-0.87; PI 0.02-1.00; I2 95%) | 0.73 (CI 0.59-0.83; PI 0.18-0.97; I2 95%) | 0.59 |
| ULTSH -1.0|LLFT4 +1 | 0.73 (CI 0.49-0.88; PI 0.03-1.00; I2 94%) | 0.72 (CI 0.57-0.83; PI 0.16-0.97; I2 95%) | 0.59 |
| ULTSH -0.1|LLFT4 +2 | 0.30 (CI 0.16-0.48; PI 0.01-0.92; I2 93%) | 0.85 (CI 0.75-0.92; PI 0.39-0.98; I2 86%) | 0.39 |
| ULTSH -0.2|LLFT4 +2 | 0.34 (CI 0.19-0.51; PI 0.02-0.93; I2 92%) | 0.84 (CI 0.74-0.91; PI 0.34-0.98; I2 86%) | 0.42 |
| ULTSH -0.3|LLFT4 +2 | 0.35 (CI 0.20-0.53; PI 0.02-0.93; I2 92%) | 0.83 (CI 0.72-0.91; PI 0.31-0.98; I2 87%) | 0.42 |
| ULTSH -0.4|LLFT4 +2 | 0.36 (CI 0.21-0.54; PI 0.02-0.93; I2 92%) | 0.83 (CI 0.70-0.90; PI 0.26-0.98; I2 88%) | 0.43 |
| ULTSH -0.5|LLFT4 +2 | 0.39 (CI 0.24-0.56; PI 0.03-0.93; I2 92%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 89%) | 0.45 |
| ULTSH -0.6|LLFT4 +2 | 0.41 (CI 0.26-0.59; PI 0.03-0.94; I2 93%) | 0.82 (CI 0.68-0.91; PI 0.19-0.99; I2 90%) | 0.47 |
| ULTSH -0.7|LLFT4 +2 | 0.44 (CI 0.28-0.62; PI 0.03-0.95; I2 93%) | 0.80 (CI 0.65-0.90; PI 0.15-0.99; I2 91%) | 0.49 |
| ULTSH -0.8|LLFT4 +2 | 0.47 (CI 0.31-0.64; PI 0.04-0.95; I2 93%) | 0.79 (CI 0.64-0.89; PI 0.13-0.99; I2 92%) | 0.51 |
| ULTSH -0.9|LLFT4 +2 | 0.49 (CI 0.33-0.66; PI 0.05-0.95; I2 93%) | 0.76 (CI 0.60-0.87; PI 0.14-0.98; I2 94%) | 0.51 |
| ULTSH -1.0|LLFT4 +2 | 0.51 (CI 0.35-0.66; PI 0.06-0.94; I2 93%) | 0.74 (CI 0.58-0.86; PI 0.13-0.98; I2 95%) | 0.51 |
| ULTSH -0.1|LLFT4 +3 | 0.20 (CI 0.12-0.32; PI 0.02-0.76; I2 90%) | 0.82 (CI 0.71-0.90; PI 0.33-0.98; I2 82%) | 0.29 |
| ULTSH -0.2|LLFT4 +3 | 0.23 (CI 0.14-0.34; PI 0.03-0.77; I2 89%) | 0.82 (CI 0.70-0.90; PI 0.30-0.98; I2 82%) | 0.32 |
| ULTSH -0.3|LLFT4 +3 | 0.24 (CI 0.15-0.35; PI 0.03-0.77; I2 89%) | 0.81 (CI 0.68-0.89; PI 0.27-0.98; I2 84%) | 0.32 |
| ULTSH -0.4|LLFT4 +3 | 0.25 (CI 0.16-0.36; PI 0.03-0.77; I2 88%) | 0.80 (CI 0.66-0.89; PI 0.22-0.98; I2 85%) | 0.33 |
| ULTSH -0.5|LLFT4 +3 | 0.27 (CI 0.18-0.39; PI 0.04-0.79; I2 88%) | 0.79 (CI 0.64-0.89; PI 0.18-0.98; I2 87%) | 0.36 |
| ULTSH -0.6|LLFT4 +3 | 0.29 (CI 0.19-0.41; PI 0.04-0.80; I2 88%) | 0.79 (CI 0.64-0.89; PI 0.16-0.99; I2 88%) | 0.37 |
| ULTSH -0.7|LLFT4 +3 | 0.30 (CI 0.20-0.42; PI 0.04-0.80; I2 88%) | 0.77 (CI 0.60-0.88; PI 0.13-0.99; I2 89%) | 0.37 |
| ULTSH -0.8|LLFT4 +3 | 0.31 (CI 0.21-0.43; PI 0.05-0.80; I2 88%) | 0.76 (CI 0.58-0.88; PI 0.11-0.99; I2 90%) | 0.39 |
| ULTSH -0.9|LLFT4 +3 | 0.32 (CI 0.22-0.44; PI 0.05-0.80; I2 88%) | 0.72 (CI 0.55-0.84; PI 0.11-0.98; I2 93%) | 0.39 |
| ULTSH -1.0|LLFT4 +3 | 0.34 (CI 0.24-0.45; PI 0.06-0.80; I2 87%) | 0.71 (CI 0.53-0.84; PI 0.10-0.98; I2 93%) | 0.40 |
| ULTSH -0.1|LLFT4 +4 | 0.14 (CI 0.09-0.21; PI 0.02-0.53; I2 85%) | 0.79 (CI 0.65-0.89; PI 0.27-0.98; I2 76%) | 0.20 |
| ULTSH -0.2|LLFT4 +4 | 0.15 (CI 0.10-0.22; PI 0.03-0.52; I2 84%) | 0.79 (CI 0.65-0.88; PI 0.27-0.97; I2 76%) | 0.22 |
| ULTSH -0.3|LLFT4 +4 | 0.16 (CI 0.11-0.23; PI 0.03-0.52; I2 83%) | 0.78 (CI 0.64-0.88; PI 0.23-0.98; I2 80%) | 0.23 |
| ULTSH -0.4|LLFT4 +4 | 0.17 (CI 0.11-0.24; PI 0.03-0.53; I2 82%) | 0.77 (CI 0.61-0.88; PI 0.19-0.98; I2 82%) | 0.24 |
| ULTSH -0.5|LLFT4 +4 | 0.17 (CI 0.12-0.24; PI 0.04-0.53; I2 81%) | 0.77 (CI 0.61-0.88; PI 0.18-0.98; I2 84%) | 0.25 |
| ULTSH -0.6|LLFT4 +4 | 0.18 (CI 0.13-0.25; PI 0.04-0.54; I2 80%) | 0.77 (CI 0.60-0.88; PI 0.15-0.98; I2 85%) | 0.26 |
| ULTSH -0.7|LLFT4 +4 | 0.19 (CI 0.13-0.26; PI 0.04-0.54; I2 79%) | 0.75 (CI 0.56-0.87; PI 0.11-0.99; I2 86%) | 0.26 |
| ULTSH -0.8|LLFT4 +4 | 0.19 (CI 0.14-0.27; PI 0.04-0.55; I2 79%) | 0.74 (CI 0.55-0.87; PI 0.10-0.99; I2 88%) | 0.27 |
| ULTSH -0.9|LLFT4 +4 | 0.20 (CI 0.14-0.28; PI 0.05-0.57; I2 78%) | 0.70 (CI 0.51-0.84; PI 0.09-0.98; I2 89%) | 0.28 |
| ULTSH -1.0|LLFT4 +4 | 0.21 (CI 0.15-0.29; PI 0.05-0.56; I2 78%) | 0.69 (CI 0.50-0.84; PI 0.08-0.98; I2 90%) | 0.28 |
| ULTSH -0.1|LLFT4 +5 | 0.09 (CI 0.06-0.12; PI 0.03-0.26; I2 64%) | 0.72 (CI 0.56-0.84; PI 0.23-0.96; I2 57%) | 0.13 |
| ULTSH -0.2|LLFT4 +5 | 0.09 (CI 0.06-0.12; PI 0.03-0.26; I2 63%) | 0.70 (CI 0.54-0.82; PI 0.22-0.95; I2 57%) | 0.13 |
| ULTSH -0.3|LLFT4 +5 | 0.09 (CI 0.07-0.13; PI 0.03-0.26; I2 62%) | 0.69 (CI 0.52-0.82; PI 0.19-0.95; I2 64%) | 0.14 |
| ULTSH -0.4|LLFT4 +5 | 0.09 (CI 0.07-0.13; PI 0.03-0.27; I2 61%) | 0.67 (CI 0.49-0.81; PI 0.15-0.96; I2 69%) | 0.14 |
| ULTSH -0.5|LLFT4 +5 | 0.10 (CI 0.07-0.13; PI 0.03-0.27; I2 61%) | 0.65 (CI 0.47-0.80; PI 0.12-0.96; I2 74%) | 0.14 |
| ULTSH -0.6|LLFT4 +5 | 0.10 (CI 0.07-0.14; PI 0.03-0.29; I2 62%) | 0.64 (CI 0.45-0.80; PI 0.10-0.97; I2 76%) | 0.15 |
| ULTSH -0.7|LLFT4 +5 | 0.11 (CI 0.08-0.15; PI 0.03-0.29; I2 59%) | 0.63 (CI 0.42-0.80; PI 0.07-0.97; I2 78%) | 0.15 |
| ULTSH -0.8|LLFT4 +5 | 0.11 (CI 0.08-0.15; PI 0.03-0.30; I2 59%) | 0.62 (CI 0.40-0.79; PI 0.06-0.97; I2 80%) | 0.16 |
| ULTSH -0.9|LLFT4 +5 | 0.12 (CI 0.08-0.16; PI 0.04-0.31; I2 60%) | 0.60 (CI 0.39-0.77; PI 0.06-0.97; I2 83%) | 0.17 |
| ULTSH -1.0|LLFT4 +5 | 0.12 (CI 0.09-0.16; PI 0.04-0.33; I2 61%) | 0.57 (CI 0.36-0.76; PI 0.05-0.97; I2 84%) | 0.17 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 11 – Diagnostic performance for overt hypothyroidism with fixed limits in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.1|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.2|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.3|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.4|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.5|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.6|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.7|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.8|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.9|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.0|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.1|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.2|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.3|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.4|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 4.5|LLFT4 5 | 0.11 (CI 0.08-0.17; PI 0.08-0.17; I2 0%) | 0.33 (CI 0.18-0.54; PI 0.16-0.56; I2 0%) | 0.15 |
| ULTSH 3.0|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.1|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.2|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.3|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.4|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.5|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.6|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.7|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.8|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.9|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.0|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.1|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.2|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.3|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.4|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 4.5|LLFT4 6 | 0.12 (CI 0.08-0.17; PI 0.08-0.18; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.19-0.58; I2 0%) | 0.16 |
| ULTSH 3.0|LLFT4 7 | 0.16 (CI 0.12-0.23; PI 0.10-0.25; I2 0%) | 0.53 (CI 0.36-0.69; PI 0.35-0.70; I2 0%) | 0.24 |
| ULTSH 3.1|LLFT4 7 | 0.16 (CI 0.12-0.23; PI 0.10-0.25; I2 0%) | 0.53 (CI 0.36-0.69; PI 0.35-0.70; I2 0%) | 0.24 |
| ULTSH 3.2|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.3|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.4|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.5|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.6|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.7|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.8|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.9|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.0|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.1|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.2|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.3|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.4|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 4.5|LLFT4 7 | 0.16 (CI 0.11-0.21; PI 0.11-0.22; I2 0%) | 0.52 (CI 0.35-0.68; PI 0.33-0.69; I2 0%) | 0.23 |
| ULTSH 3.0|LLFT4 8 | 0.33 (CI 0.17-0.56; PI 0.02-0.94; I2 14%) | 0.59 (CI 0.47-0.70; PI 0.46-0.71; I2 0%) | 0.36 |
| ULTSH 3.1|LLFT4 8 | 0.33 (CI 0.17-0.56; PI 0.02-0.94; I2 14%) | 0.60 (CI 0.48-0.71; PI 0.47-0.72; I2 0%) | 0.37 |
| ULTSH 3.2|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.3|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.4|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.5|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.6|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.7|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.8|LLFT4 8 | 0.30 (CI 0.17-0.48; PI 0.03-0.87; I2 58%) | 0.62 (CI 0.49-0.73; PI 0.48-0.74; I2 0%) | 0.37 |
| ULTSH 3.9|LLFT4 8 | 0.29 (CI 0.17-0.46; PI 0.03-0.84; I2 58%) | 0.62 (CI 0.49-0.74; PI 0.48-0.75; I2 0%) | 0.36 |
| ULTSH 4.0|LLFT4 8 | 0.29 (CI 0.17-0.46; PI 0.03-0.84; I2 58%) | 0.62 (CI 0.49-0.74; PI 0.48-0.75; I2 0%) | 0.36 |
| ULTSH 4.1|LLFT4 8 | 0.28 (CI 0.16-0.43; PI 0.04-0.80; I2 54%) | 0.61 (CI 0.47-0.73; PI 0.46-0.74; I2 0%) | 0.35 |
| ULTSH 4.2|LLFT4 8 | 0.26 (CI 0.16-0.40; PI 0.04-0.75; I2 49%) | 0.59 (CI 0.46-0.71; PI 0.45-0.72; I2 0%) | 0.34 |
| ULTSH 4.3|LLFT4 8 | 0.26 (CI 0.16-0.40; PI 0.04-0.75; I2 49%) | 0.59 (CI 0.46-0.71; PI 0.45-0.72; I2 0%) | 0.34 |
| ULTSH 4.4|LLFT4 8 | 0.24 (CI 0.15-0.36; PI 0.05-0.64; I2 39%) | 0.59 (CI 0.45-0.71; PI 0.44-0.72; I2 0%) | 0.32 |
| ULTSH 4.5|LLFT4 8 | 0.24 (CI 0.15-0.36; PI 0.05-0.64; I2 39%) | 0.59 (CI 0.45-0.71; PI 0.44-0.72; I2 0%) | 0.32 |
| ULTSH 3.0|LLFT4 9 | 0.54 (CI 0.25-0.81; PI 0.01-0.99; I2 0%) | 0.53 (CI 0.39-0.67; PI 0.20-0.83; I2 15%) | 0.42 |
| ULTSH 3.1|LLFT4 9 | 0.54 (CI 0.25-0.81; PI 0.01-0.99; I2 0%) | 0.55 (CI 0.41-0.67; PI 0.24-0.82; I2 1%) | 0.43 |
| ULTSH 3.2|LLFT4 9 | 0.48 (CI 0.25-0.73; PI 0.02-0.98; I2 31%) | 0.56 (CI 0.42-0.70; PI 0.21-0.86; I2 12%) | 0.43 |
| ULTSH 3.3|LLFT4 9 | 0.48 (CI 0.25-0.73; PI 0.02-0.98; I2 31%) | 0.57 (CI 0.43-0.70; PI 0.24-0.85; I2 0%) | 0.43 |
| ULTSH 3.4|LLFT4 9 | 0.48 (CI 0.25-0.73; PI 0.02-0.98; I2 31%) | 0.57 (CI 0.43-0.70; PI 0.24-0.85; I2 0%) | 0.43 |
| ULTSH 3.5|LLFT4 9 | 0.48 (CI 0.24-0.73; PI 0.02-0.98; I2 31%) | 0.57 (CI 0.43-0.70; PI 0.24-0.85; I2 2%) | 0.43 |
| ULTSH 3.6|LLFT4 9 | 0.48 (CI 0.24-0.73; PI 0.02-0.98; I2 31%) | 0.58 (CI 0.44-0.71; PI 0.26-0.85; I2 0%) | 0.44 |
| ULTSH 3.7|LLFT4 9 | 0.48 (CI 0.24-0.73; PI 0.02-0.98; I2 31%) | 0.60 (CI 0.45-0.73; PI 0.26-0.86; I2 0%) | 0.45 |
| ULTSH 3.8|LLFT4 9 | 0.48 (CI 0.24-0.73; PI 0.02-0.98; I2 31%) | 0.60 (CI 0.45-0.74; PI 0.24-0.88; I2 3%) | 0.46 |
| ULTSH 3.9|LLFT4 9 | 0.46 (CI 0.24-0.71; PI 0.02-0.97; I2 30%) | 0.60 (CI 0.45-0.74; PI 0.24-0.88; I2 4%) | 0.45 |
| ULTSH 4.0|LLFT4 9 | 0.46 (CI 0.24-0.71; PI 0.02-0.97; I2 30%) | 0.60 (CI 0.45-0.74; PI 0.25-0.88; I2 0%) | 0.45 |
| ULTSH 4.1|LLFT4 9 | 0.41 (CI 0.24-0.61; PI 0.04-0.93; I2 59%) | 0.60 (CI 0.45-0.73; PI 0.25-0.87; I2 0%) | 0.44 |
| ULTSH 4.2|LLFT4 9 | 0.37 (CI 0.23-0.53; PI 0.05-0.86; I2 60%) | 0.59 (CI 0.43-0.72; PI 0.23-0.87; I2 0%) | 0.42 |
| ULTSH 4.3|LLFT4 9 | 0.37 (CI 0.23-0.53; PI 0.05-0.86; I2 60%) | 0.59 (CI 0.43-0.74; PI 0.21-0.89; I2 5%) | 0.42 |
| ULTSH 4.4|LLFT4 9 | 0.33 (CI 0.22-0.46; PI 0.07-0.75; I2 50%) | 0.58 (CI 0.42-0.73; PI 0.20-0.88; I2 0%) | 0.40 |
| ULTSH 4.5|LLFT4 9 | 0.33 (CI 0.22-0.46; PI 0.07-0.75; I2 50%) | 0.58 (CI 0.43-0.73; PI 0.22-0.88; I2 0%) | 0.40 |
| ULTSH 3.0|LLFT4 10 | 0.63 (CI 0.36-0.83; PI 0.03-0.99; I2 22%) | 0.49 (CI 0.27-0.72; PI 0.03-0.97; I2 71%) | 0.45 |
| ULTSH 3.1|LLFT4 10 | 0.63 (CI 0.36-0.83; PI 0.03-0.99; I2 22%) | 0.50 (CI 0.28-0.72; PI 0.03-0.97; I2 68%) | 0.46 |
| ULTSH 3.2|LLFT4 10 | 0.57 (CI 0.36-0.76; PI 0.05-0.97; I2 45%) | 0.51 (CI 0.28-0.74; PI 0.03-0.98; I2 64%) | 0.46 |
| ULTSH 3.3|LLFT4 10 | 0.57 (CI 0.35-0.76; PI 0.05-0.97; I2 42%) | 0.52 (CI 0.30-0.74; PI 0.03-0.97; I2 61%) | 0.47 |
| ULTSH 3.4|LLFT4 10 | 0.57 (CI 0.35-0.76; PI 0.05-0.97; I2 42%) | 0.52 (CI 0.30-0.74; PI 0.03-0.97; I2 60%) | 0.47 |
| ULTSH 3.5|LLFT4 10 | 0.57 (CI 0.35-0.76; PI 0.05-0.97; I2 38%) | 0.54 (CI 0.31-0.75; PI 0.03-0.97; I2 60%) | 0.48 |
| ULTSH 3.6|LLFT4 10 | 0.56 (CI 0.35-0.75; PI 0.05-0.97; I2 34%) | 0.56 (CI 0.34-0.76; PI 0.05-0.97; I2 55%) | 0.48 |
| ULTSH 3.7|LLFT4 10 | 0.56 (CI 0.35-0.75; PI 0.05-0.97; I2 34%) | 0.57 (CI 0.35-0.76; PI 0.06-0.97; I2 52%) | 0.49 |
| ULTSH 3.8|LLFT4 10 | 0.56 (CI 0.35-0.75; PI 0.05-0.97; I2 34%) | 0.59 (CI 0.38-0.77; PI 0.07-0.97; I2 54%) | 0.51 |
| ULTSH 3.9|LLFT4 10 | 0.55 (CI 0.35-0.74; PI 0.06-0.96; I2 31%) | 0.59 (CI 0.38-0.77; PI 0.07-0.97; I2 54%) | 0.50 |
| ULTSH 4.0|LLFT4 10 | 0.55 (CI 0.35-0.74; PI 0.06-0.96; I2 31%) | 0.60 (CI 0.39-0.78; PI 0.08-0.96; I2 49%) | 0.51 |
| ULTSH 4.1|LLFT4 10 | 0.50 (CI 0.34-0.65; PI 0.09-0.90; I2 50%) | 0.60 (CI 0.39-0.77; PI 0.08-0.96; I2 45%) | 0.50 |
| ULTSH 4.2|LLFT4 10 | 0.46 (CI 0.32-0.59; PI 0.12-0.84; I2 52%) | 0.58 (CI 0.37-0.77; PI 0.07-0.96; I2 46%) | 0.49 |
| ULTSH 4.3|LLFT4 10 | 0.46 (CI 0.32-0.59; PI 0.12-0.84; I2 52%) | 0.59 (CI 0.39-0.77; PI 0.08-0.96; I2 42%) | 0.49 |
| ULTSH 4.4|LLFT4 10 | 0.42 (CI 0.31-0.53; PI 0.15-0.74; I2 38%) | 0.58 (CI 0.37-0.77; PI 0.07-0.96; I2 39%) | 0.48 |
| ULTSH 4.5|LLFT4 10 | 0.42 (CI 0.31-0.53; PI 0.15-0.74; I2 38%) | 0.59 (CI 0.38-0.77; PI 0.07-0.96; I2 35%) | 0.48 |
| ULTSH 3.0|LLFT4 11 | 0.84 (CI 0.62-0.94; PI 0.09-1.00; I2 0%) | 0.43 (CI 0.21-0.68; PI 0.01-0.98; I2 82%) | 0.54 |
| ULTSH 3.1|LLFT4 11 | 0.84 (CI 0.62-0.94; PI 0.09-1.00; I2 0%) | 0.45 (CI 0.22-0.69; PI 0.01-0.98; I2 81%) | 0.55 |
| ULTSH 3.2|LLFT4 11 | 0.76 (CI 0.59-0.87; PI 0.20-0.98; I2 49%) | 0.48 (CI 0.24-0.73; PI 0.01-0.98; I2 80%) | 0.56 |
| ULTSH 3.3|LLFT4 11 | 0.74 (CI 0.59-0.86; PI 0.21-0.97; I2 44%) | 0.49 (CI 0.25-0.73; PI 0.02-0.98; I2 78%) | 0.57 |
| ULTSH 3.4|LLFT4 11 | 0.74 (CI 0.59-0.86; PI 0.21-0.97; I2 44%) | 0.50 (CI 0.27-0.74; PI 0.02-0.98; I2 79%) | 0.58 |
| ULTSH 3.5|LLFT4 11 | 0.74 (CI 0.58-0.85; PI 0.22-0.97; I2 41%) | 0.54 (CI 0.28-0.78; PI 0.02-0.99; I2 77%) | 0.60 |
| ULTSH 3.6|LLFT4 11 | 0.72 (CI 0.57-0.83; PI 0.22-0.96; I2 31%) | 0.57 (CI 0.32-0.79; PI 0.02-0.99; I2 75%) | 0.60 |
| ULTSH 3.7|LLFT4 11 | 0.70 (CI 0.55-0.81; PI 0.23-0.95; I2 22%) | 0.57 (CI 0.33-0.79; PI 0.03-0.98; I2 73%) | 0.59 |
| ULTSH 3.8|LLFT4 11 | 0.70 (CI 0.55-0.82; PI 0.22-0.95; I2 25%) | 0.58 (CI 0.34-0.79; PI 0.03-0.98; I2 71%) | 0.60 |
| ULTSH 3.9|LLFT4 11 | 0.69 (CI 0.54-0.80; PI 0.23-0.94; I2 19%) | 0.58 (CI 0.34-0.79; PI 0.03-0.98; I2 70%) | 0.60 |
| ULTSH 4.0|LLFT4 11 | 0.68 (CI 0.53-0.79; PI 0.23-0.93; I2 8%) | 0.59 (CI 0.36-0.79; PI 0.04-0.98; I2 67%) | 0.60 |
| ULTSH 4.1|LLFT4 11 | 0.63 (CI 0.52-0.73; PI 0.31-0.86; I2 22%) | 0.59 (CI 0.36-0.79; PI 0.04-0.98; I2 65%) | 0.59 |
| ULTSH 4.2|LLFT4 11 | 0.59 (CI 0.50-0.68; PI 0.36-0.79; I2 10%) | 0.59 (CI 0.36-0.78; PI 0.04-0.98; I2 64%) | 0.58 |
| ULTSH 4.3|LLFT4 11 | 0.59 (CI 0.50-0.68; PI 0.36-0.79; I2 10%) | 0.60 (CI 0.39-0.79; PI 0.05-0.98; I2 61%) | 0.59 |
| ULTSH 4.4|LLFT4 11 | 0.56 (CI 0.48-0.64; PI 0.39-0.71; I2 0%) | 0.61 (CI 0.38-0.80; PI 0.05-0.98; I2 62%) | 0.59 |
| ULTSH 4.5|LLFT4 11 | 0.55 (CI 0.47-0.63; PI 0.41-0.68; I2 0%) | 0.62 (CI 0.56-0.68; PI 0.06-0.98; I2 60%) | 0.59 |
| ULTSH 3.0|LLFT4 12 | 1.00 (CI 0.80-1.00; PI 0.05-1.00; I2 0%) | 0.32 (CI 0.16-0.53; PI 0.01-0.94; I2 82%) | 0.50 |
| ULTSH 3.1|LLFT4 12 | 1.00 (CI 0.80-1.00; PI 0.05-1.00; I2 0%) | 0.33 (CI 0.17-0.54; PI 0.01-0.94; I2 81%) | 0.52 |
| ULTSH 3.2|LLFT4 12 | 0.95 (CI 0.80-0.99; PI 0.24-1.00; I2 0%) | 0.35 (CI 0.19-0.55; PI 0.02-0.94; I2 80%) | 0.52 |
| ULTSH 3.3|LLFT4 12 | 0.94 (CI 0.79-0.99; PI 0.23-1.00; I2 0%) | 0.37 (CI 0.20-0.57; PI 0.02-0.94; I2 80%) | 0.55 |
| ULTSH 3.4|LLFT4 12 | 0.94 (CI 0.79-0.99; PI 0.23-1.00; I2 0%) | 0.39 (CI 0.22-0.59; PI 0.02-0.94; I2 79%) | 0.57 |
| ULTSH 3.5|LLFT4 12 | 0.94 (CI 0.78-0.99; PI 0.22-1.00; I2 0%) | 0.42 (CI 0.25-0.62; PI 0.03-0.95; I2 78%) | 0.60 |
| ULTSH 3.6|LLFT4 12 | 0.92 (CI 0.77-0.98; PI 0.25-1.00; I2 0%) | 0.46 (CI 0.28-0.65; PI 0.04-0.95; I2 78%) | 0.63 |
| ULTSH 3.7|LLFT4 12 | 0.89 (CI 0.75-0.96; PI 0.31-0.99; I2 0%) | 0.48 (CI 0.29-0.67; PI 0.04-0.95; I2 75%) | 0.64 |
| ULTSH 3.8|LLFT4 12 | 0.87 (CI 0.74-0.94; PI 0.36-0.99; I2 25%) | 0.49 (CI 0.30-0.68; PI 0.04-0.95; I2 73%) | 0.65 |
| ULTSH 3.9|LLFT4 12 | 0.84 (CI 0.71-0.91; PI 0.41-0.97; I2 7%) | 0.50 (CI 0.31-0.68; PI 0.04-0.95; I2 72%) | 0.65 |
| ULTSH 4.0|LLFT4 12 | 0.83 (CI 0.70-0.91; PI 0.41-0.97; I2 0%) | 0.50 (CI 0.32-0.68; PI 0.05-0.95; I2 70%) | 0.65 |
| ULTSH 4.1|LLFT4 12 | 0.77 (CI 0.67-0.85; PI 0.48-0.93; I2 0%) | 0.52 (CI 0.34-0.70; PI 0.05-0.95; I2 68%) | 0.65 |
| ULTSH 4.2|LLFT4 12 | 0.72 (CI 0.63-0.80; PI 0.50-0.87; I2 0%) | 0.52 (CI 0.34-0.69; PI 0.06-0.95; I2 66%) | 0.64 |
| ULTSH 4.3|LLFT4 12 | 0.72 (CI 0.63-0.80; PI 0.50-0.87; I2 0%) | 0.53 (CI 0.36-0.69; PI 0.08-0.94; I2 63%) | 0.64 |
| ULTSH 4.4|LLFT4 12 | 0.69 (CI 0.61-0.75; PI 0.55-0.80; I2 0%) | 0.55 (CI 0.36-0.72; PI 0.06-0.96; I2 63%) | 0.65 |
| ULTSH 4.5|LLFT4 12 | 0.67 (CI 0.60-0.73; PI 0.59-0.73; I2 0%) | 0.55 (CI 0.37-0.73; PI 0.07-0.96; I2 62%) | 0.64 |
| ULTSH 3.0|LLFT4 13 | 0.99 (CI 0.85-1.00; PI 0.27-1.00; I2 0%) | 0.19 (CI 0.10-0.34; PI 0.01-0.85; I2 84%) | 0.36 |
| ULTSH 3.1|LLFT4 13 | 0.99 (CI 0.85-1.00; PI 0.27-1.00; I2 0%) | 0.20 (CI 0.11-0.36; PI 0.01-0.86; I2 82%) | 0.38 |
| ULTSH 3.2|LLFT4 13 | 0.94 (CI 0.85-0.98; PI 0.62-0.99; I2 0%) | 0.21 (CI 0.11-0.36; PI 0.01-0.85; I2 81%) | 0.38 |
| ULTSH 3.3|LLFT4 13 | 0.94 (CI 0.84-0.98; PI 0.54-0.99; I2 0%) | 0.23 (CI 0.12-0.39; PI 0.01-0.87; I2 80%) | 0.40 |
| ULTSH 3.4|LLFT4 13 | 0.94 (CI 0.84-0.98; PI 0.54-0.99; I2 0%) | 0.25 (CI 0.14-0.41; PI 0.02-0.87; I2 79%) | 0.43 |
| ULTSH 3.5|LLFT4 13 | 0.94 (CI 0.83-0.98; PI 0.52-1.00; I2 0%) | 0.26 (CI 0.15-0.42; PI 0.02-0.87; I2 77%) | 0.45 |
| ULTSH 3.6|LLFT4 13 | 0.92 (CI 0.82-0.97; PI 0.51-0.99; I2 0%) | 0.29 (CI 0.17-0.46; PI 0.02-0.89; I2 77%) | 0.49 |
| ULTSH 3.7|LLFT4 13 | 0.90 (CI 0.81-0.95; PI 0.56-0.99; I2 0%) | 0.31 (CI 0.18-0.47; PI 0.02-0.88; I2 74%) | 0.50 |
| ULTSH 3.8|LLFT4 13 | 0.89 (CI 0.80-0.94; PI 0.62-0.98; I2 0%) | 0.32 (CI 0.18-0.49; PI 0.03-0.89; I2 73%) | 0.51 |
| ULTSH 3.9|LLFT4 13 | 0.86 (CI 0.78-0.91; PI 0.65-0.95; I2 0%) | 0.33 (CI 0.19-0.49; PI 0.03-0.88; I2 71%) | 0.52 |
| ULTSH 4.0|LLFT4 13 | 0.85 (CI 0.77-0.91; PI 0.61-0.95; I2 0%) | 0.34 (CI 0.21-0.50; PI 0.03-0.88; I2 70%) | 0.53 |
| ULTSH 4.1|LLFT4 13 | 0.81 (CI 0.74-0.87; PI 0.66-0.90; I2 0%) | 0.35 (CI 0.21-0.51; PI 0.04-0.88; I2 69%) | 0.53 |
| ULTSH 4.2|LLFT4 13 | 0.78 (CI 0.70-0.84; PI 0.61-0.89; I2 0%) | 0.35 (CI 0.21-0.51; PI 0.04-0.88; I2 70%) | 0.53 |
| ULTSH 4.3|LLFT4 13 | 0.78 (CI 0.70-0.84; PI 0.61-0.89; I2 0%) | 0.36 (CI 0.23-0.52; PI 0.04-0.88; I2 67%) | 0.54 |
| ULTSH 4.4|LLFT4 13 | 0.75 (CI 0.68-0.81; PI 0.61-0.85; I2 0%) | 0.37 (CI 0.22-0.55; PI 0.03-0.91; I2 68%) | 0.55 |
| ULTSH 4.5|LLFT4 13 | 0.73 (CI 0.66-0.79; PI 0.60-0.83; I2 0%) | 0.38 (CI 0.23-0.56; PI 0.03-0.92; I2 66%) | 0.55 |
| ULTSH 3.0|LLFT4 14 | 1.00 (CI 0.68-1.00; PI 0.05-1.00; I2 0%) | 0.12 (CI 0.08-0.20; PI 0.02-0.54; I2 79%) | 0.24 |
| ULTSH 3.1|LLFT4 14 | 1.00 (CI 0.68-1.00; PI 0.05-1.00; I2 0%) | 0.14 (CI 0.08-0.21; PI 0.02-0.55; I2 77%) | 0.26 |
| ULTSH 3.2|LLFT4 14 | 0.96 (CI 0.86-0.99; PI 0.48-1.00; I2 0%) | 0.14 (CI 0.09-0.22; PI 0.02-0.54; I2 75%) | 0.27 |
| ULTSH 3.3|LLFT4 14 | 0.96 (CI 0.85-0.99; PI 0.40-1.00; I2 0%) | 0.15 (CI 0.10-0.23; PI 0.02-0.57; I2 75%) | 0.28 |
| ULTSH 3.4|LLFT4 14 | 0.96 (CI 0.85-0.99; PI 0.40-1.00; I2 0%) | 0.17 (CI 0.11-0.25; PI 0.03-0.59; I2 74%) | 0.31 |
| ULTSH 3.5|LLFT4 14 | 0.96 (CI 0.84-0.99; PI 0.37-1.00; I2 0%) | 0.18 (CI 0.12-0.27; PI 0.03-0.59; I2 71%) | 0.33 |
| ULTSH 3.6|LLFT4 14 | 0.95 (CI 0.83-0.99; PI 0.40-1.00; I2 0%) | 0.20 (CI 0.13-0.29; PI 0.04-0.60; I2 69%) | 0.35 |
| ULTSH 3.7|LLFT4 14 | 0.93 (CI 0.82-0.97; PI 0.46-0.99; I2 0%) | 0.21 (CI 0.14-0.30; PI 0.04-0.61; I2 67%) | 0.37 |
| ULTSH 3.8|LLFT4 14 | 0.91 (CI 0.82-0.96; PI 0.53-0.99; I2 0%) | 0.22 (CI 0.15-0.31; PI 0.05-0.62; I2 64%) | 0.38 |
| ULTSH 3.9|LLFT4 14 | 0.88 (CI 0.78-0.94; PI 0.55-0.98; I2 0%) | 0.23 (CI 0.16-0.32; PI 0.05-0.60; I2 60%) | 0.39 |
| ULTSH 4.0|LLFT4 14 | 0.88 (CI 0.77-0.94; PI 0.51-0.98; I2 0%) | 0.24 (CI 0.17-0.33; PI 0.06-0.61; I2 59%) | 0.41 |
| ULTSH 4.1|LLFT4 14 | 0.84 (CI 0.74-0.90; PI 0.56-0.96; I2 0%) | 0.25 (CI 0.18-0.34; PI 0.06-0.63; I2 58%) | 0.42 |
| ULTSH 4.2|LLFT4 14 | 0.80 (CI 0.70-0.88; PI 0.51-0.94; I2 0%) | 0.26 (CI 0.18-0.35; PI 0.06-0.64; I2 59%) | 0.42 |
| ULTSH 4.3|LLFT4 14 | 0.80 (CI 0.70-0.88; PI 0.51-0.94; I2 0%) | 0.27 (CI 0.20-0.37; PI 0.08-0.63; I2 55%) | 0.44 |
| ULTSH 4.4|LLFT4 14 | 0.77 (CI 0.68-0.85; PI 0.49-0.93; I2 0%) | 0.28 (CI 0.20-0.38; PI 0.07-0.67; I2 58%) | 0.45 |
| ULTSH 4.5|LLFT4 14 | 0.76 (CI 0.66-0.83; PI 0.48-0.91; I2 0%) | 0.29 (CI 0.21-0.39; PI 0.08-0.66; I2 56%) | 0.45 |
| ULTSH 3.0|LLFT4 15 | 1.00 (CI 0.68-1.00; PI 0.05-1.00; I2 0%) | 0.10 (CI 0.06-0.15; PI 0.02-0.41; I2 76%) | 0.19 |
| ULTSH 3.1|LLFT4 15 | 1.00 (CI 0.68-1.00; PI 0.05-1.00; I2 0%) | 0.11 (CI 0.07-0.16; PI 0.02-0.43; I2 75%) | 0.20 |
| ULTSH 3.2|LLFT4 15 | 0.96 (CI 0.86-0.99; PI 0.48-1.00; I2 0%) | 0.11 (CI 0.07-0.17; PI 0.02-0.42; I2 73%) | 0.21 |
| ULTSH 3.3|LLFT4 15 | 0.96 (CI 0.85-0.99; PI 0.40-1.00; I2 0%) | 0.12 (CI 0.08-0.18; PI 0.02-0.44; I2 71%) | 0.23 |
| ULTSH 3.4|LLFT4 15 | 0.96 (CI 0.85-0.99; PI 0.40-1.00; I2 0%) | 0.13 (CI 0.09-0.19; PI 0.03-0.45; I2 70%) | 0.25 |
| ULTSH 3.5|LLFT4 15 | 0.96 (CI 0.84-0.99; PI 0.37-1.00; I2 0%) | 0.14 (CI 0.10-0.21; PI 0.03-0.47; I2 69%) | 0.27 |
| ULTSH 3.6|LLFT4 15 | 0.95 (CI 0.83-0.99; PI 0.40-1.00; I2 0%) | 0.16 (CI 0.11-0.23; PI 0.04-0.48; I2 66%) | 0.29 |
| ULTSH 3.7|LLFT4 15 | 0.93 (CI 0.82-0.97; PI 0.46-0.99; I2 0%) | 0.17 (CI 0.11-0.24; PI 0.04-0.50; I2 65%) | 0.30 |
| ULTSH 3.8|LLFT4 15 | 0.91 (CI 0.82-0.96; PI 0.53-0.99; I2 0%) | 0.18 (CI 0.12-0.25; PI 0.04-0.51; I2 63%) | 0.32 |
| ULTSH 3.9|LLFT4 15 | 0.88 (CI 0.78-0.94; PI 0.55-0.98; I2 0%) | 0.19 (CI 0.13-0.26; PI 0.05-0.50; I2 58%) | 0.33 |
| ULTSH 4.0|LLFT4 15 | 0.88 (CI 0.77-0.94; PI 0.51-0.98; I2 0%) | 0.20 (CI 0.14-0.27; PI 0.05-0.52; I2 59%) | 0.34 |
| ULTSH 4.1|LLFT4 15 | 0.84 (CI 0.74-0.90; PI 0.56-0.96; I2 0%) | 0.20 (CI 0.14-0.28; PI 0.05-0.53; I2 58%) | 0.35 |
| ULTSH 4.2|LLFT4 15 | 0.80 (CI 0.70-0.88; PI 0.51-0.94; I2 0%) | 0.21 (CI 0.15-0.29; PI 0.06-0.54; I2 58%) | 0.36 |
| ULTSH 4.3|LLFT4 15 | 0.80 (CI 0.70-0.88; PI 0.51-0.94; I2 0%) | 0.23 (CI 0.16-0.30; PI 0.07-0.53; I2 52%) | 0.38 |
| ULTSH 4.4|LLFT4 15 | 0.77 (CI 0.68-0.85; PI 0.49-0.93; I2 0%) | 0.23 (CI 0.17-0.31; PI 0.07-0.56; I2 54%) | 0.38 |
| ULTSH 4.5|LLFT4 15 | 0.76 (CI 0.66-0.83; PI 0.48-0.91; I2 0%) | 0.24 (CI 0.17-0.32; PI 0.08-0.55; I2 49%) | 0.39 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 12 – Diagnostic performance for subclinical hypothyroidism with fixed limits in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.99 (CI 0.94-1.00; PI 0.05-1.00; I2 84%) | 0.57 (CI 0.43-0.69; PI 0.11-0.93; I2 97%) | 0.67 |
| ULTSH 3.1|LLFT4 5 | 0.99 (CI 0.92-1.00; PI 0.02-1.00; I2 84%) | 0.59 (CI 0.46-0.71; PI 0.13-0.94; I2 96%) | 0.68 |
| ULTSH 3.2|LLFT4 5 | 0.99 (CI 0.88-1.00; PI 0.03-1.00; I2 91%) | 0.63 (CI 0.49-0.75; PI 0.13-0.95; I2 96%) | 0.70 |
| ULTSH 3.3|LLFT4 5 | 0.98 (CI 0.84-1.00; PI 0.02-1.00; I2 91%) | 0.65 (CI 0.52-0.76; PI 0.16-0.94; I2 96%) | 0.69 |
| ULTSH 3.4|LLFT4 5 | 0.97 (CI 0.80-1.00; PI 0.01-1.00; I2 91%) | 0.66 (CI 0.55-0.76; PI 0.20-0.94; I2 95%) | 0.68 |
| ULTSH 3.5|LLFT4 5 | 0.95 (CI 0.74-0.99; PI 0.01-1.00; I2 92%) | 0.68 (CI 0.57-0.77; PI 0.24-0.93; I2 95%) | 0.68 |
| ULTSH 3.6|LLFT4 5 | 0.94 (CI 0.67-0.99; PI 0.01-1.00; I2 92%) | 0.69 (CI 0.59-0.78; PI 0.28-0.93; I2 94%) | 0.66 |
| ULTSH 3.7|LLFT4 5 | 0.90 (CI 0.62-0.98; PI 0.01-1.00; I2 92%) | 0.71 (CI 0.62-0.79; PI 0.30-0.94; I2 94%) | 0.67 |
| ULTSH 3.8|LLFT4 5 | 0.89 (CI 0.58-0.98; PI 0.01-1.00; I2 91%) | 0.72 (CI 0.63-0.80; PI 0.33-0.93; I2 93%) | 0.66 |
| ULTSH 3.9|LLFT4 5 | 0.88 (CI 0.54-0.98; PI 0.01-1.00; I2 90%) | 0.74 (CI 0.65-0.81; PI 0.36-0.93; I2 92%) | 0.67 |
| ULTSH 4.0|LLFT4 5 | 0.82 (CI 0.48-0.96; PI 0.01-1.00; I2 90%) | 0.74 (CI 0.65-0.81; PI 0.37-0.93; I2 91%) | 0.65 |
| ULTSH 4.1|LLFT4 5 | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.74 (CI 0.65-0.82; PI 0.36-0.94; I2 90%) | 0.61 |
| ULTSH 4.2|LLFT4 5 | 0.58 (CI 0.35-0.78; PI 0.02-0.99; I2 92%) | 0.74 (CI 0.66-0.81; PI 0.38-0.93; I2 88%) | 0.57 |
| ULTSH 4.3|LLFT4 5 | 0.53 (CI 0.32-0.74; PI 0.02-0.98; I2 90%) | 0.73 (CI 0.66-0.80; PI 0.42-0.91; I2 84%) | 0.55 |
| ULTSH 4.4|LLFT4 5 | 0.50 (CI 0.29-0.72; PI 0.02-0.98; I2 89%) | 0.73 (CI 0.66-0.80; PI 0.44-0.91; I2 79%) | 0.52 |
| ULTSH 4.5|LLFT4 5 | 0.48 (CI 0.27-0.70; PI 0.02-0.98; I2 88%) | 0.73 (CI 0.66-0.79; PI 0.47-0.89; I2 72%) | 0.51 |
| ULTSH 3.0|LLFT4 6 | 0.99 (CI 0.94-1.00; PI 0.05-1.00; I2 84%) | 0.57 (CI 0.43-0.69; PI 0.11-0.93; I2 97%) | 0.67 |
| ULTSH 3.1|LLFT4 6 | 0.99 (CI 0.92-1.00; PI 0.02-1.00; I2 84%) | 0.59 (CI 0.46-0.71; PI 0.13-0.94; I2 96%) | 0.68 |
| ULTSH 3.2|LLFT4 6 | 0.99 (CI 0.88-1.00; PI 0.03-1.00; I2 91%) | 0.63 (CI 0.49-0.75; PI 0.13-0.95; I2 96%) | 0.70 |
| ULTSH 3.3|LLFT4 6 | 0.98 (CI 0.84-1.00; PI 0.02-1.00; I2 91%) | 0.65 (CI 0.52-0.76; PI 0.17-0.94; I2 96%) | 0.69 |
| ULTSH 3.4|LLFT4 6 | 0.97 (CI 0.80-1.00; PI 0.01-1.00; I2 91%) | 0.66 (CI 0.55-0.76; PI 0.20-0.94; I2 95%) | 0.68 |
| ULTSH 3.5|LLFT4 6 | 0.95 (CI 0.74-0.99; PI 0.01-1.00; I2 92%) | 0.68 (CI 0.57-0.77; PI 0.24-0.93; I2 95%) | 0.68 |
| ULTSH 3.6|LLFT4 6 | 0.94 (CI 0.67-0.99; PI 0.01-1.00; I2 92%) | 0.69 (CI 0.59-0.78; PI 0.28-0.93; I2 94%) | 0.66 |
| ULTSH 3.7|LLFT4 6 | 0.90 (CI 0.62-0.98; PI 0.01-1.00; I2 92%) | 0.71 (CI 0.62-0.79; PI 0.30-0.94; I2 94%) | 0.67 |
| ULTSH 3.8|LLFT4 6 | 0.89 (CI 0.58-0.98; PI 0.01-1.00; I2 91%) | 0.72 (CI 0.63-0.80; PI 0.33-0.93; I2 93%) | 0.66 |
| ULTSH 3.9|LLFT4 6 | 0.88 (CI 0.54-0.98; PI 0.01-1.00; I2 90%) | 0.74 (CI 0.65-0.81; PI 0.36-0.93; I2 92%) | 0.67 |
| ULTSH 4.0|LLFT4 6 | 0.82 (CI 0.48-0.96; PI 0.01-1.00; I2 90%) | 0.74 (CI 0.65-0.81; PI 0.37-0.93; I2 91%) | 0.65 |
| ULTSH 4.1|LLFT4 6 | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.74 (CI 0.65-0.82; PI 0.36-0.94; I2 90%) | 0.61 |
| ULTSH 4.2|LLFT4 6 | 0.58 (CI 0.35-0.78; PI 0.02-0.99; I2 92%) | 0.74 (CI 0.66-0.81; PI 0.38-0.93; I2 88%) | 0.57 |
| ULTSH 4.3|LLFT4 6 | 0.53 (CI 0.32-0.74; PI 0.02-0.98; I2 90%) | 0.74 (CI 0.66-0.80; PI 0.42-0.92; I2 84%) | 0.55 |
| ULTSH 4.4|LLFT4 6 | 0.50 (CI 0.29-0.72; PI 0.02-0.98; I2 89%) | 0.73 (CI 0.66-0.80; PI 0.44-0.91; I2 80%) | 0.52 |
| ULTSH 4.5|LLFT4 6 | 0.48 (CI 0.27-0.70; PI 0.02-0.98; I2 88%) | 0.73 (CI 0.66-0.79; PI 0.47-0.90; I2 72%) | 0.51 |
| ULTSH 3.0|LLFT4 7 | 0.99 (CI 0.94-1.00; PI 0.05-1.00; I2 84%) | 0.57 (CI 0.44-0.70; PI 0.11-0.93; I2 97%) | 0.67 |
| ULTSH 3.1|LLFT4 7 | 0.99 (CI 0.92-1.00; PI 0.02-1.00; I2 84%) | 0.60 (CI 0.46-0.72; PI 0.13-0.94; I2 96%) | 0.68 |
| ULTSH 3.2|LLFT4 7 | 0.99 (CI 0.88-1.00; PI 0.03-1.00; I2 91%) | 0.63 (CI 0.50-0.75; PI 0.13-0.95; I2 96%) | 0.70 |
| ULTSH 3.3|LLFT4 7 | 0.98 (CI 0.84-1.00; PI 0.02-1.00; I2 91%) | 0.65 (CI 0.52-0.76; PI 0.17-0.95; I2 96%) | 0.69 |
| ULTSH 3.4|LLFT4 7 | 0.97 (CI 0.80-1.00; PI 0.01-1.00; I2 91%) | 0.67 (CI 0.55-0.77; PI 0.20-0.94; I2 95%) | 0.69 |
| ULTSH 3.5|LLFT4 7 | 0.95 (CI 0.74-0.99; PI 0.01-1.00; I2 92%) | 0.68 (CI 0.58-0.77; PI 0.24-0.94; I2 95%) | 0.68 |
| ULTSH 3.6|LLFT4 7 | 0.94 (CI 0.67-0.99; PI 0.01-1.00; I2 92%) | 0.70 (CI 0.60-0.78; PI 0.28-0.93; I2 94%) | 0.67 |
| ULTSH 3.7|LLFT4 7 | 0.90 (CI 0.62-0.98; PI 0.01-1.00; I2 92%) | 0.72 (CI 0.62-0.80; PI 0.30-0.94; I2 94%) | 0.67 |
| ULTSH 3.8|LLFT4 7 | 0.89 (CI 0.58-0.98; PI 0.01-1.00; I2 91%) | 0.73 (CI 0.64-0.80; PI 0.33-0.94; I2 93%) | 0.67 |
| ULTSH 3.9|LLFT4 7 | 0.88 (CI 0.54-0.98; PI 0.01-1.00; I2 90%) | 0.74 (CI 0.66-0.82; PI 0.36-0.94; I2 92%) | 0.67 |
| ULTSH 4.0|LLFT4 7 | 0.82 (CI 0.48-0.96; PI 0.01-1.00; I2 90%) | 0.75 (CI 0.66-0.82; PI 0.37-0.94; I2 91%) | 0.65 |
| ULTSH 4.1|LLFT4 7 | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.75 (CI 0.66-0.82; PI 0.36-0.94; I2 90%) | 0.62 |
| ULTSH 4.2|LLFT4 7 | 0.58 (CI 0.35-0.78; PI 0.02-0.99; I2 92%) | 0.75 (CI 0.66-0.82; PI 0.38-0.94; I2 88%) | 0.58 |
| ULTSH 4.3|LLFT4 7 | 0.53 (CI 0.32-0.74; PI 0.02-0.98; I2 90%) | 0.74 (CI 0.67-0.81; PI 0.42-0.92; I2 84%) | 0.55 |
| ULTSH 4.4|LLFT4 7 | 0.50 (CI 0.29-0.72; PI 0.02-0.98; I2 89%) | 0.74 (CI 0.67-0.81; PI 0.43-0.92; I2 80%) | 0.53 |
| ULTSH 4.5|LLFT4 7 | 0.48 (CI 0.27-0.70; PI 0.02-0.98; I2 88%) | 0.74 (CI 0.67-0.80; PI 0.47-0.90; I2 73%) | 0.51 |
| ULTSH 3.0|LLFT4 8 | 0.99 (CI 0.93-1.00; PI 0.04-1.00; I2 84%) | 0.60 (CI 0.44-0.74; PI 0.09-0.96; I2 96%) | 0.68 |
| ULTSH 3.1|LLFT4 8 | 0.99 (CI 0.91-1.00; PI 0.02-1.00; I2 82%) | 0.63 (CI 0.48-0.76; PI 0.10-0.96; I2 96%) | 0.68 |
| ULTSH 3.2|LLFT4 8 | 0.99 (CI 0.88-1.00; PI 0.03-1.00; I2 91%) | 0.66 (CI 0.51-0.79; PI 0.11-0.97; I2 96%) | 0.70 |
| ULTSH 3.3|LLFT4 8 | 0.98 (CI 0.83-1.00; PI 0.02-1.00; I2 92%) | 0.68 (CI 0.54-0.79; PI 0.14-0.96; I2 96%) | 0.69 |
| ULTSH 3.4|LLFT4 8 | 0.97 (CI 0.80-1.00; PI 0.01-1.00; I2 91%) | 0.70 (CI 0.57-0.80; PI 0.18-0.96; I2 95%) | 0.69 |
| ULTSH 3.5|LLFT4 8 | 0.95 (CI 0.74-0.99; PI 0.01-1.00; I2 93%) | 0.71 (CI 0.59-0.80; PI 0.22-0.95; I2 95%) | 0.68 |
| ULTSH 3.6|LLFT4 8 | 0.94 (CI 0.66-0.99; PI 0.01-1.00; I2 92%) | 0.72 (CI 0.62-0.81; PI 0.27-0.95; I2 94%) | 0.67 |
| ULTSH 3.7|LLFT4 8 | 0.90 (CI 0.61-0.98; PI 0.01-1.00; I2 92%) | 0.75 (CI 0.64-0.83; PI 0.28-0.96; I2 94%) | 0.68 |
| ULTSH 3.8|LLFT4 8 | 0.89 (CI 0.57-0.98; PI 0.01-1.00; I2 92%) | 0.76 (CI 0.66-0.83; PI 0.32-0.95; I2 93%) | 0.67 |
| ULTSH 3.9|LLFT4 8 | 0.88 (CI 0.53-0.98; PI 0.00-1.00; I2 90%) | 0.77 (CI 0.68-0.85; PI 0.34-0.96; I2 93%) | 0.68 |
| ULTSH 4.0|LLFT4 8 | 0.82 (CI 0.48-0.96; PI 0.01-1.00; I2 90%) | 0.78 (CI 0.68-0.85; PI 0.36-0.95; I2 91%) | 0.66 |
| ULTSH 4.1|LLFT4 8 | 0.65 (CI 0.39-0.84; PI 0.02-0.99; I2 93%) | 0.78 (CI 0.69-0.85; PI 0.36-0.96; I2 91%) | 0.62 |
| ULTSH 4.2|LLFT4 8 | 0.57 (CI 0.34-0.78; PI 0.02-0.99; I2 92%) | 0.78 (CI 0.69-0.85; PI 0.37-0.95; I2 89%) | 0.57 |
| ULTSH 4.3|LLFT4 8 | 0.53 (CI 0.31-0.74; PI 0.02-0.98; I2 90%) | 0.77 (CI 0.69-0.84; PI 0.41-0.94; I2 85%) | 0.55 |
| ULTSH 4.4|LLFT4 8 | 0.50 (CI 0.28-0.71; PI 0.02-0.98; I2 90%) | 0.77 (CI 0.69-0.83; PI 0.43-0.93; I2 81%) | 0.53 |
| ULTSH 4.5|LLFT4 8 | 0.47 (CI 0.26-0.69; PI 0.02-0.98; I2 88%) | 0.77 (CI 0.69-0.83; PI 0.48-0.92; I2 74%) | 0.51 |
| ULTSH 3.0|LLFT4 9 | 0.98 (CI 0.88-1.00; PI 0.05-1.00; I2 86%) | 0.60 (CI 0.45-0.74; PI 0.10-0.96; I2 96%) | 0.65 |
| ULTSH 3.1|LLFT4 9 | 0.98 (CI 0.87-1.00; PI 0.03-1.00; I2 88%) | 0.63 (CI 0.48-0.75; PI 0.11-0.96; I2 96%) | 0.67 |
| ULTSH 3.2|LLFT4 9 | 0.96 (CI 0.83-0.99; PI 0.04-1.00; I2 93%) | 0.67 (CI 0.52-0.79; PI 0.12-0.97; I2 96%) | 0.69 |
| ULTSH 3.3|LLFT4 9 | 0.94 (CI 0.78-0.99; PI 0.04-1.00; I2 93%) | 0.68 (CI 0.55-0.79; PI 0.15-0.96; I2 96%) | 0.68 |
| ULTSH 3.4|LLFT4 9 | 0.93 (CI 0.74-0.99; PI 0.02-1.00; I2 93%) | 0.70 (CI 0.58-0.80; PI 0.19-0.96; I2 95%) | 0.68 |
| ULTSH 3.5|LLFT4 9 | 0.90 (CI 0.68-0.97; PI 0.03-1.00; I2 94%) | 0.72 (CI 0.60-0.81; PI 0.24-0.95; I2 95%) | 0.67 |
| ULTSH 3.6|LLFT4 9 | 0.87 (CI 0.60-0.97; PI 0.01-1.00; I2 94%) | 0.73 (CI 0.63-0.81; PI 0.28-0.95; I2 94%) | 0.66 |
| ULTSH 3.7|LLFT4 9 | 0.82 (CI 0.55-0.94; PI 0.02-1.00; I2 94%) | 0.76 (CI 0.65-0.84; PI 0.30-0.96; I2 94%) | 0.66 |
| ULTSH 3.8|LLFT4 9 | 0.80 (CI 0.52-0.94; PI 0.01-1.00; I2 94%) | 0.77 (CI 0.67-0.84; PI 0.33-0.96; I2 94%) | 0.66 |
| ULTSH 3.9|LLFT4 9 | 0.78 (CI 0.48-0.93; PI 0.01-1.00; I2 93%) | 0.79 (CI 0.69-0.86; PI 0.34-0.97; I2 93%) | 0.67 |
| ULTSH 4.0|LLFT4 9 | 0.75 (CI 0.43-0.92; PI 0.01-1.00; I2 93%) | 0.80 (CI 0.70-0.87; PI 0.34-0.97; I2 92%) | 0.65 |
| ULTSH 4.1|LLFT4 9 | 0.61 (CI 0.36-0.82; PI 0.02-0.99; I2 93%) | 0.80 (CI 0.70-0.88; PI 0.30-0.97; I2 91%) | 0.60 |
| ULTSH 4.2|LLFT4 9 | 0.54 (CI 0.31-0.76; PI 0.02-0.99; I2 92%) | 0.80 (CI 0.70-0.87; PI 0.33-0.97; I2 89%) | 0.56 |
| ULTSH 4.3|LLFT4 9 | 0.50 (CI 0.27-0.73; PI 0.01-0.99; I2 91%) | 0.79 (CI 0.70-0.86; PI 0.38-0.96; I2 86%) | 0.53 |
| ULTSH 4.4|LLFT4 9 | 0.47 (CI 0.25-0.70; PI 0.01-0.98; I2 90%) | 0.79 (CI 0.70-0.85; PI 0.40-0.95; I2 81%) | 0.50 |
| ULTSH 4.5|LLFT4 9 | 0.44 (CI 0.23-0.68; PI 0.01-0.98; I2 89%) | 0.79 (CI 0.70-0.85; PI 0.44-0.94; I2 75%) | 0.48 |
| ULTSH 3.0|LLFT4 10 | 0.97 (CI 0.81-0.99; PI 0.02-1.00; I2 90%) | 0.59 (CI 0.45-0.73; PI 0.10-0.95; I2 96%) | 0.63 |
| ULTSH 3.1|LLFT4 10 | 0.96 (CI 0.79-0.99; PI 0.01-1.00; I2 90%) | 0.62 (CI 0.48-0.75; PI 0.11-0.96; I2 96%) | 0.65 |
| ULTSH 3.2|LLFT4 10 | 0.94 (CI 0.75-0.99; PI 0.02-1.00; I2 94%) | 0.67 (CI 0.51-0.80; PI 0.11-0.97; I2 96%) | 0.67 |
| ULTSH 3.3|LLFT4 10 | 0.91 (CI 0.70-0.98; PI 0.02-1.00; I2 94%) | 0.69 (CI 0.54-0.81; PI 0.13-0.97; I2 95%) | 0.66 |
| ULTSH 3.4|LLFT4 10 | 0.89 (CI 0.65-0.97; PI 0.02-1.00; I2 94%) | 0.71 (CI 0.58-0.81; PI 0.17-0.97; I2 95%) | 0.66 |
| ULTSH 3.5|LLFT4 10 | 0.84 (CI 0.59-0.95; PI 0.02-1.00; I2 94%) | 0.73 (CI 0.61-0.82; PI 0.22-0.96; I2 95%) | 0.65 |
| ULTSH 3.6|LLFT4 10 | 0.80 (CI 0.51-0.94; PI 0.01-1.00; I2 94%) | 0.75 (CI 0.63-0.83; PI 0.26-0.96; I2 94%) | 0.63 |
| ULTSH 3.7|LLFT4 10 | 0.75 (CI 0.48-0.90; PI 0.02-1.00; I2 94%) | 0.77 (CI 0.66-0.85; PI 0.28-0.97; I2 94%) | 0.63 |
| ULTSH 3.8|LLFT4 10 | 0.72 (CI 0.44-0.89; PI 0.02-1.00; I2 94%) | 0.78 (CI 0.68-0.86; PI 0.30-0.97; I2 94%) | 0.62 |
| ULTSH 3.9|LLFT4 10 | 0.70 (CI 0.40-0.89; PI 0.01-1.00; I2 93%) | 0.80 (CI 0.70-0.88; PI 0.32-0.97; I2 93%) | 0.62 |
| ULTSH 4.0|LLFT4 10 | 0.67 (CI 0.37-0.88; PI 0.01-1.00; I2 93%) | 0.81 (CI 0.71-0.88; PI 0.33-0.97; I2 92%) | 0.61 |
| ULTSH 4.1|LLFT4 10 | 0.55 (CI 0.31-0.77; PI 0.02-0.99; I2 93%) | 0.82 (CI 0.71-0.89; PI 0.29-0.98; I2 91%) | 0.57 |
| ULTSH 4.2|LLFT4 10 | 0.49 (CI 0.27-0.71; PI 0.02-0.98; I2 92%) | 0.81 (CI 0.71-0.88; PI 0.32-0.97; I2 89%) | 0.52 |
| ULTSH 4.3|LLFT4 10 | 0.45 (CI 0.25-0.68; PI 0.01-0.98; I2 91%) | 0.81 (CI 0.72-0.88; PI 0.38-0.97; I2 87%) | 0.50 |
| ULTSH 4.4|LLFT4 10 | 0.42 (CI 0.23-0.65; PI 0.01-0.98; I2 91%) | 0.81 (CI 0.72-0.87; PI 0.42-0.96; I2 83%) | 0.48 |
| ULTSH 4.5|LLFT4 10 | 0.40 (CI 0.21-0.62; PI 0.01-0.97; I2 89%) | 0.81 (CI 0.73-0.87; PI 0.46-0.96; I2 77%) | 0.46 |
| ULTSH 3.0|LLFT4 11 | 0.91 (CI 0.70-0.98; PI 0.02-1.00; I2 93%) | 0.61 (CI 0.45-0.75; PI 0.09-0.96; I2 96%) | 0.61 |
| ULTSH 3.1|LLFT4 11 | 0.90 (CI 0.66-0.98; PI 0.01-1.00; I2 93%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 96%) | 0.62 |
| ULTSH 3.2|LLFT4 11 | 0.90 (CI 0.63-0.98; PI 0.01-1.00; I2 93%) | 0.70 (CI 0.50-0.84; PI 0.07-0.99; I2 95%) | 0.63 |
| ULTSH 3.3|LLFT4 11 | 0.88 (CI 0.59-0.97; PI 0.01-1.00; I2 92%) | 0.72 (CI 0.54-0.85; PI 0.08-0.99; I2 95%) | 0.62 |
| ULTSH 3.4|LLFT4 11 | 0.86 (CI 0.54-0.97; PI 0.01-1.00; I2 92%) | 0.75 (CI 0.58-0.86; PI 0.11-0.99; I2 95%) | 0.63 |
| ULTSH 3.5|LLFT4 11 | 0.80 (CI 0.49-0.95; PI 0.01-1.00; I2 93%) | 0.77 (CI 0.62-0.87; PI 0.14-0.99; I2 94%) | 0.62 |
| ULTSH 3.6|LLFT4 11 | 0.76 (CI 0.43-0.93; PI 0.01-1.00; I2 93%) | 0.79 (CI 0.65-0.88; PI 0.17-0.99; I2 94%) | 0.61 |
| ULTSH 3.7|LLFT4 11 | 0.69 (CI 0.40-0.89; PI 0.01-1.00; I2 94%) | 0.82 (CI 0.68-0.90; PI 0.20-0.99; I2 94%) | 0.60 |
| ULTSH 3.8|LLFT4 11 | 0.67 (CI 0.37-0.87; PI 0.01-1.00; I2 93%) | 0.83 (CI 0.70-0.91; PI 0.22-0.99; I2 93%) | 0.59 |
| ULTSH 3.9|LLFT4 11 | 0.64 (CI 0.34-0.86; PI 0.01-1.00; I2 92%) | 0.84 (CI 0.73-0.92; PI 0.26-0.99; I2 93%) | 0.59 |
| ULTSH 4.0|LLFT4 11 | 0.61 (CI 0.31-0.85; PI 0.01-1.00; I2 92%) | 0.85 (CI 0.74-0.92; PI 0.28-0.99; I2 92%) | 0.58 |
| ULTSH 4.1|LLFT4 11 | 0.50 (CI 0.27-0.73; PI 0.01-0.99; I2 93%) | 0.86 (CI 0.74-0.93; PI 0.26-0.99; I2 91%) | 0.54 |
| ULTSH 4.2|LLFT4 11 | 0.45 (CI 0.24-0.68; PI 0.01-0.98; I2 92%) | 0.85 (CI 0.74-0.92; PI 0.29-0.99; I2 89%) | 0.50 |
| ULTSH 4.3|LLFT4 11 | 0.42 (CI 0.22-0.65; PI 0.01-0.98; I2 91%) | 0.86 (CI 0.76-0.92; PI 0.35-0.98; I2 87%) | 0.47 |
| ULTSH 4.4|LLFT4 11 | 0.39 (CI 0.20-0.62; PI 0.01-0.97; I2 90%) | 0.85 (CI 0.76-0.91; PI 0.38-0.98; I2 84%) | 0.45 |
| ULTSH 4.5|LLFT4 11 | 0.37 (CI 0.19-0.60; PI 0.01-0.97; I2 89%) | 0.86 (CI 0.77-0.91; PI 0.44-0.98; I2 79%) | 0.44 |
| ULTSH 3.0|LLFT4 12 | 0.77 (CI 0.56-0.89; PI 0.06-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.09-0.97; I2 96%) | 0.59 |
| ULTSH 3.1|LLFT4 12 | 0.75 (CI 0.53-0.88; PI 0.05-0.99; I2 94%) | 0.67 (CI 0.50-0.81; PI 0.09-0.98; I2 96%) | 0.59 |
| ULTSH 3.2|LLFT4 12 | 0.73 (CI 0.51-0.88; PI 0.04-0.99; I2 94%) | 0.72 (CI 0.53-0.85; PI 0.07-0.99; I2 95%) | 0.60 |
| ULTSH 3.3|LLFT4 12 | 0.71 (CI 0.48-0.87; PI 0.03-0.99; I2 93%) | 0.74 (CI 0.57-0.87; PI 0.09-0.99; I2 95%) | 0.60 |
| ULTSH 3.4|LLFT4 12 | 0.68 (CI 0.44-0.86; PI 0.03-0.99; I2 94%) | 0.77 (CI 0.61-0.88; PI 0.12-0.99; I2 94%) | 0.60 |
| ULTSH 3.5|LLFT4 12 | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 94%) | 0.80 (CI 0.64-0.90; PI 0.14-0.99; I2 94%) | 0.59 |
| ULTSH 3.6|LLFT4 12 | 0.61 (CI 0.36-0.81; PI 0.02-0.99; I2 94%) | 0.83 (CI 0.69-0.91; PI 0.17-0.99; I2 94%) | 0.58 |
| ULTSH 3.7|LLFT4 12 | 0.58 (CI 0.34-0.79; PI 0.02-0.99; I2 94%) | 0.85 (CI 0.71-0.92; PI 0.18-0.99; I2 93%) | 0.57 |
| ULTSH 3.8|LLFT4 12 | 0.55 (CI 0.32-0.77; PI 0.02-0.99; I2 93%) | 0.87 (CI 0.74-0.94; PI 0.18-1.00; I2 92%) | 0.56 |
| ULTSH 3.9|LLFT4 12 | 0.53 (CI 0.30-0.75; PI 0.01-0.99; I2 92%) | 0.88 (CI 0.77-0.94; PI 0.23-0.99; I2 92%) | 0.56 |
| ULTSH 4.0|LLFT4 12 | 0.50 (CI 0.27-0.73; PI 0.01-0.99; I2 92%) | 0.89 (CI 0.78-0.95; PI 0.26-0.99; I2 91%) | 0.54 |
| ULTSH 4.1|LLFT4 12 | 0.44 (CI 0.24-0.67; PI 0.01-0.98; I2 91%) | 0.90 (CI 0.79-0.96; PI 0.22-1.00; I2 89%) | 0.51 |
| ULTSH 4.2|LLFT4 12 | 0.39 (CI 0.21-0.62; PI 0.01-0.97; I2 91%) | 0.90 (CI 0.78-0.95; PI 0.23-1.00; I2 87%) | 0.47 |
| ULTSH 4.3|LLFT4 12 | 0.37 (CI 0.19-0.59; PI 0.01-0.97; I2 89%) | 0.90 (CI 0.80-0.95; PI 0.31-0.99; I2 85%) | 0.45 |
| ULTSH 4.4|LLFT4 12 | 0.34 (CI 0.18-0.56; PI 0.01-0.96; I2 89%) | 0.90 (CI 0.80-0.95; PI 0.34-0.99; I2 82%) | 0.42 |
| ULTSH 4.5|LLFT4 12 | 0.32 (CI 0.16-0.54; PI 0.01-0.96; I2 87%) | 0.90 (CI 0.81-0.95; PI 0.39-0.99; I2 78%) | 0.41 |
| ULTSH 3.0|LLFT4 13 | 0.57 (CI 0.33-0.77; PI 0.02-0.99; I2 90%) | 0.63 (CI 0.42-0.79; PI 0.05-0.98; I2 95%) | 0.48 |
| ULTSH 3.1|LLFT4 13 | 0.55 (CI 0.32-0.76; PI 0.02-0.99; I2 90%) | 0.66 (CI 0.46-0.82; PI 0.05-0.99; I2 95%) | 0.48 |
| ULTSH 3.2|LLFT4 13 | 0.54 (CI 0.31-0.75; PI 0.02-0.99; I2 90%) | 0.72 (CI 0.51-0.86; PI 0.05-0.99; I2 93%) | 0.49 |
| ULTSH 3.3|LLFT4 13 | 0.51 (CI 0.29-0.73; PI 0.02-0.98; I2 90%) | 0.75 (CI 0.55-0.88; PI 0.07-0.99; I2 94%) | 0.49 |
| ULTSH 3.4|LLFT4 13 | 0.49 (CI 0.27-0.71; PI 0.02-0.98; I2 91%) | 0.78 (CI 0.59-0.89; PI 0.09-0.99; I2 93%) | 0.48 |
| ULTSH 3.5|LLFT4 13 | 0.46 (CI 0.25-0.69; PI 0.01-0.98; I2 91%) | 0.80 (CI 0.62-0.90; PI 0.11-0.99; I2 93%) | 0.47 |
| ULTSH 3.6|LLFT4 13 | 0.43 (CI 0.22-0.66; PI 0.01-0.98; I2 91%) | 0.81 (CI 0.65-0.91; PI 0.13-0.99; I2 92%) | 0.45 |
| ULTSH 3.7|LLFT4 13 | 0.41 (CI 0.21-0.65; PI 0.01-0.98; I2 91%) | 0.83 (CI 0.68-0.92; PI 0.14-0.99; I2 92%) | 0.44 |
| ULTSH 3.8|LLFT4 13 | 0.39 (CI 0.20-0.62; PI 0.01-0.98; I2 90%) | 0.85 (CI 0.70-0.94; PI 0.13-1.00; I2 90%) | 0.43 |
| ULTSH 3.9|LLFT4 13 | 0.37 (CI 0.18-0.61; PI 0.01-0.98; I2 90%) | 0.86 (CI 0.72-0.94; PI 0.15-1.00; I2 90%) | 0.42 |
| ULTSH 4.0|LLFT4 13 | 0.35 (CI 0.17-0.59; PI 0.01-0.98; I2 89%) | 0.87 (CI 0.73-0.94; PI 0.18-1.00; I2 89%) | 0.41 |
| ULTSH 4.1|LLFT4 13 | 0.31 (CI 0.15-0.54; PI 0.01-0.97; I2 89%) | 0.88 (CI 0.74-0.95; PI 0.15-1.00; I2 87%) | 0.37 |
| ULTSH 4.2|LLFT4 13 | 0.27 (CI 0.12-0.49; PI 0.01-0.96; I2 87%) | 0.87 (CI 0.73-0.95; PI 0.15-1.00; I2 84%) | 0.33 |
| ULTSH 4.3|LLFT4 13 | 0.25 (CI 0.12-0.46; PI 0.01-0.95; I2 85%) | 0.88 (CI 0.75-0.95; PI 0.24-0.99; I2 81%) | 0.32 |
| ULTSH 4.4|LLFT4 13 | 0.23 (CI 0.10-0.44; PI 0.00-0.95; I2 84%) | 0.88 (CI 0.75-0.94; PI 0.27-0.99; I2 77%) | 0.29 |
| ULTSH 4.5|LLFT4 13 | 0.22 (CI 0.10-0.42; PI 0.00-0.95; I2 82%) | 0.88 (CI 0.76-0.94; PI 0.33-0.99; I2 69%) | 0.28 |
| ULTSH 3.0|LLFT4 14 | 0.35 (CI 0.23-0.50; PI 0.04-0.88; I2 90%) | 0.59 (CI 0.40-0.76; PI 0.06-0.97; I2 93%) | 0.38 |
| ULTSH 3.1|LLFT4 14 | 0.35 (CI 0.22-0.49; PI 0.04-0.88; I2 89%) | 0.63 (CI 0.44-0.79; PI 0.06-0.98; I2 93%) | 0.38 |
| ULTSH 3.2|LLFT4 14 | 0.34 (CI 0.22-0.48; PI 0.04-0.87; I2 89%) | 0.70 (CI 0.50-0.84; PI 0.07-0.99; I2 92%) | 0.39 |
| ULTSH 3.3|LLFT4 14 | 0.33 (CI 0.21-0.47; PI 0.04-0.87; I2 90%) | 0.73 (CI 0.54-0.86; PI 0.09-0.99; I2 92%) | 0.39 |
| ULTSH 3.4|LLFT4 14 | 0.31 (CI 0.19-0.46; PI 0.03-0.87; I2 91%) | 0.74 (CI 0.57-0.87; PI 0.10-0.99; I2 92%) | 0.38 |
| ULTSH 3.5|LLFT4 14 | 0.29 (CI 0.18-0.44; PI 0.03-0.86; I2 91%) | 0.77 (CI 0.60-0.88; PI 0.13-0.99; I2 91%) | 0.37 |
| ULTSH 3.6|LLFT4 14 | 0.26 (CI 0.16-0.40; PI 0.02-0.84; I2 91%) | 0.78 (CI 0.62-0.89; PI 0.15-0.99; I2 90%) | 0.34 |
| ULTSH 3.7|LLFT4 14 | 0.26 (CI 0.15-0.39; PI 0.02-0.84; I2 91%) | 0.80 (CI 0.65-0.89; PI 0.17-0.99; I2 90%) | 0.34 |
| ULTSH 3.8|LLFT4 14 | 0.24 (CI 0.14-0.37; PI 0.02-0.83; I2 91%) | 0.82 (CI 0.66-0.91; PI 0.16-0.99; I2 87%) | 0.32 |
| ULTSH 3.9|LLFT4 14 | 0.23 (CI 0.13-0.36; PI 0.02-0.82; I2 91%) | 0.82 (CI 0.67-0.92; PI 0.17-0.99; I2 87%) | 0.31 |
| ULTSH 4.0|LLFT4 14 | 0.21 (CI 0.12-0.35; PI 0.02-0.83; I2 92%) | 0.83 (CI 0.68-0.92; PI 0.18-0.99; I2 84%) | 0.30 |
| ULTSH 4.1|LLFT4 14 | 0.19 (CI 0.11-0.31; PI 0.01-0.80; I2 92%) | 0.84 (CI 0.68-0.93; PI 0.15-0.99; I2 82%) | 0.27 |
| ULTSH 4.2|LLFT4 14 | 0.17 (CI 0.09-0.29; PI 0.01-0.79; I2 92%) | 0.83 (CI 0.67-0.92; PI 0.17-0.99; I2 78%) | 0.24 |
| ULTSH 4.3|LLFT4 14 | 0.16 (CI 0.09-0.27; PI 0.01-0.77; I2 92%) | 0.83 (CI 0.69-0.92; PI 0.24-0.99; I2 73%) | 0.23 |
| ULTSH 4.4|LLFT4 14 | 0.15 (CI 0.08-0.26; PI 0.01-0.76; I2 92%) | 0.83 (CI 0.70-0.92; PI 0.28-0.98; I2 66%) | 0.21 |
| ULTSH 4.5|LLFT4 14 | 0.14 (CI 0.08-0.25; PI 0.01-0.75; I2 92%) | 0.83 (CI 0.71-0.91; PI 0.35-0.98; I2 56%) | 0.20 |
| ULTSH 3.0|LLFT4 15 | 0.21 (CI 0.14-0.30; PI 0.03-0.67; I2 85%) | 0.57 (CI 0.39-0.74; PI 0.06-0.96; I2 90%) | 0.26 |
| ULTSH 3.1|LLFT4 15 | 0.20 (CI 0.14-0.29; PI 0.03-0.65; I2 84%) | 0.61 (CI 0.42-0.77; PI 0.07-0.97; I2 90%) | 0.26 |
| ULTSH 3.2|LLFT4 15 | 0.20 (CI 0.13-0.29; PI 0.03-0.65; I2 85%) | 0.65 (CI 0.46-0.80; PI 0.08-0.98; I2 89%) | 0.26 |
| ULTSH 3.3|LLFT4 15 | 0.19 (CI 0.13-0.28; PI 0.03-0.64; I2 85%) | 0.68 (CI 0.50-0.82; PI 0.10-0.98; I2 89%) | 0.26 |
| ULTSH 3.4|LLFT4 15 | 0.18 (CI 0.11-0.27; PI 0.02-0.65; I2 86%) | 0.69 (CI 0.52-0.83; PI 0.12-0.97; I2 88%) | 0.25 |
| ULTSH 3.5|LLFT4 15 | 0.17 (CI 0.11-0.26; PI 0.02-0.63; I2 86%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 86%) | 0.24 |
| ULTSH 3.6|LLFT4 15 | 0.16 (CI 0.10-0.24; PI 0.02-0.60; I2 87%) | 0.72 (CI 0.55-0.84; PI 0.15-0.97; I2 84%) | 0.22 |
| ULTSH 3.7|LLFT4 15 | 0.15 (CI 0.10-0.23; PI 0.02-0.59; I2 87%) | 0.74 (CI 0.58-0.85; PI 0.17-0.97; I2 84%) | 0.22 |
| ULTSH 3.8|LLFT4 15 | 0.14 (CI 0.09-0.22; PI 0.02-0.58; I2 87%) | 0.78 (CI 0.61-0.88; PI 0.16-0.98; I2 81%) | 0.21 |
| ULTSH 3.9|LLFT4 15 | 0.14 (CI 0.09-0.21; PI 0.02-0.56; I2 87%) | 0.78 (CI 0.61-0.89; PI 0.17-0.98; I2 79%) | 0.20 |
| ULTSH 4.0|LLFT4 15 | 0.13 (CI 0.08-0.20; PI 0.02-0.57; I2 88%) | 0.78 (CI 0.62-0.89; PI 0.19-0.98; I2 74%) | 0.20 |
| ULTSH 4.1|LLFT4 15 | 0.11 (CI 0.07-0.18; PI 0.02-0.52; I2 88%) | 0.78 (CI 0.61-0.89; PI 0.18-0.98; I2 71%) | 0.17 |
| ULTSH 4.2|LLFT4 15 | 0.10 (CI 0.06-0.17; PI 0.01-0.51; I2 89%) | 0.76 (CI 0.58-0.87; PI 0.17-0.98; I2 63%) | 0.15 |
| ULTSH 4.3|LLFT4 15 | 0.10 (CI 0.06-0.16; PI 0.01-0.50; I2 89%) | 0.75 (CI 0.58-0.86; PI 0.20-0.97; I2 52%) | 0.14 |
| ULTSH 4.4|LLFT4 15 | 0.09 (CI 0.05-0.15; PI 0.01-0.49; I2 89%) | 0.75 (CI 0.60-0.86; PI 0.28-0.96; I2 34%) | 0.13 |
| ULTSH 4.5|LLFT4 15 | 0.08 (CI 0.05-0.14; PI 0.01-0.47; I2 90%) | 0.75 (CI 0.62-0.85; PI 0.37-0.94; I2 6%) | 0.13 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 13 – Diagnostic performance for overt hypothyroidism with relative modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.50 (CI 0.29-0.72; PI 0.08-0.93; I2 0%) | 0.23 (CI 0.08-0.52; PI 0.01-0.92; I2 42%) | 0.38 |
| ULTSH -45%|LLFT4 -20% | 0.50 (CI 0.29-0.72; PI 0.08-0.93; I2 0%) | 0.25 (CI 0.09-0.53; PI 0.01-0.90; I2 35%) | 0.39 |
| ULTSH -40%|LLFT4 -20% | 0.50 (CI 0.29-0.72; PI 0.08-0.93; I2 0%) | 0.29 (CI 0.11-0.57; PI 0.02-0.91; I2 32%) | 0.42 |
| ULTSH -35%|LLFT4 -20% | 0.50 (CI 0.29-0.72; PI 0.08-0.93; I2 0%) | 0.31 (CI 0.13-0.58; PI 0.03-0.89; I2 19%) | 0.43 |
| ULTSH -30%|LLFT4 -20% | 0.50 (CI 0.29-0.72; PI 0.08-0.93; I2 0%) | 0.33 (CI 0.15-0.58; PI 0.03-0.87; I2 13%) | 0.44 |
| ULTSH -25%|LLFT4 -20% | 0.49 (CI 0.28-0.71; PI 0.07-0.93; I2 0%) | 0.34 (CI 0.17-0.56; PI 0.06-0.81; I2 0%) | 0.43 |
| ULTSH -20%|LLFT4 -20% | 0.49 (CI 0.28-0.71; PI 0.07-0.93; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.09-0.76; I2 0%) | 0.44 |
| ULTSH -15%|LLFT4 -20% | 0.45 (CI 0.27-0.65; PI 0.09-0.87; I2 0%) | 0.38 (CI 0.24-0.53; PI 0.23-0.55; I2 0%) | 0.45 |
| ULTSH -10%|LLFT4 -20% | 0.45 (CI 0.27-0.65; PI 0.09-0.87; I2 0%) | 0.39 (CI 0.25-0.56; PI 0.24-0.58; I2 0%) | 0.46 |
| ULTSH -5%|LLFT4 -20% | 0.45 (CI 0.27-0.65; PI 0.09-0.87; I2 0%) | 0.42 (CI 0.27-0.58; PI 0.25-0.60; I2 0%) | 0.47 |
| ULTSH NP|LLFT4 -20% | 0.45 (CI 0.27-0.65; PI 0.09-0.87; I2 0%) | 0.43 (CI 0.28-0.59; PI 0.26-0.61; I2 0%) | 0.48 |
| ULTSH -50%|LLFT4 -15% | 0.59 (CI 0.32-0.82; PI 0.05-0.97; I2 0%) | 0.20 (CI 0.05-0.51; PI 0.00-0.95; I2 64%) | 0.40 |
| ULTSH -45%|LLFT4 -15% | 0.59 (CI 0.32-0.82; PI 0.05-0.97; I2 0%) | 0.21 (CI 0.06-0.55; PI 0.00-0.96; I2 61%) | 0.41 |
| ULTSH -40%|LLFT4 -15% | 0.59 (CI 0.32-0.82; PI 0.05-0.97; I2 0%) | 0.24 (CI 0.06-0.59; PI 0.00-0.96; I2 58%) | 0.46 |
| ULTSH -35%|LLFT4 -15% | 0.59 (CI 0.32-0.82; PI 0.05-0.97; I2 0%) | 0.27 (CI 0.08-0.60; PI 0.01-0.95; I2 53%) | 0.48 |
| ULTSH -30%|LLFT4 -15% | 0.59 (CI 0.32-0.82; PI 0.05-0.97; I2 0%) | 0.28 (CI 0.09-0.60; PI 0.01-0.95; I2 51%) | 0.49 |
| ULTSH -25%|LLFT4 -15% | 0.57 (CI 0.30-0.81; PI 0.05-0.97; I2 0%) | 0.30 (CI 0.12-0.59; PI 0.02-0.91; I2 37%) | 0.47 |
| ULTSH -20%|LLFT4 -15% | 0.56 (CI 0.29-0.81; PI 0.04-0.97; I2 0%) | 0.32 (CI 0.14-0.57; PI 0.03-0.88; I2 20%) | 0.46 |
| ULTSH -15%|LLFT4 -15% | 0.50 (CI 0.29-0.71; PI 0.08-0.92; I2 0%) | 0.35 (CI 0.17-0.59; PI 0.05-0.85; I2 0%) | 0.45 |
| ULTSH -10%|LLFT4 -15% | 0.50 (CI 0.29-0.71; PI 0.08-0.92; I2 0%) | 0.37 (CI 0.20-0.59; PI 0.07-0.81; I2 0%) | 0.46 |
| ULTSH -5%|LLFT4 -15% | 0.50 (CI 0.29-0.71; PI 0.08-0.92; I2 0%) | 0.38 (CI 0.22-0.59; PI 0.10-0.78; I2 0%) | 0.47 |
| ULTSH NP|LLFT4 -15% | 0.50 (CI 0.29-0.71; PI 0.08-0.92; I2 0%) | 0.40 (CI 0.24-0.60; PI 0.13-0.76; I2 0%) | 0.47 |
| ULTSH -50%|LLFT4 -10% | 0.73 (CI 0.38-0.92; PI 0.04-0.99; I2 0%) | 0.24 (CI 0.07-0.55; PI 0.00-0.96; I2 74%) | 0.49 |
| ULTSH -45%|LLFT4 -10% | 0.73 (CI 0.38-0.92; PI 0.04-0.99; I2 0%) | 0.26 (CI 0.08-0.59; PI 0.00-0.97; I2 71%) | 0.51 |
| ULTSH -40%|LLFT4 -10% | 0.73 (CI 0.38-0.92; PI 0.04-0.99; I2 0%) | 0.29 (CI 0.09-0.63; PI 0.00-0.98; I2 70%) | 0.60 |
| ULTSH -35%|LLFT4 -10% | 0.70 (CI 0.37-0.90; PI 0.05-0.99; I2 0%) | 0.31 (CI 0.11-0.63; PI 0.01-0.97; I2 66%) | 0.58 |
| ULTSH -30%|LLFT4 -10% | 0.70 (CI 0.37-0.90; PI 0.05-0.99; I2 0%) | 0.32 (CI 0.11-0.63; PI 0.01-0.97; I2 64%) | 0.58 |
| ULTSH -25%|LLFT4 -10% | 0.67 (CI 0.34-0.89; PI 0.05-0.99; I2 0%) | 0.33 (CI 0.13-0.62; PI 0.01-0.95; I2 55%) | 0.55 |
| ULTSH -20%|LLFT4 -10% | 0.66 (CI 0.33-0.88; PI 0.05-0.99; I2 0%) | 0.35 (CI 0.15-0.61; PI 0.02-0.93; I2 46%) | 0.54 |
| ULTSH -15%|LLFT4 -10% | 0.58 (CI 0.34-0.79; PI 0.09-0.95; I2 0%) | 0.37 (CI 0.17-0.63; PI 0.03-0.92; I2 33%) | 0.51 |
| ULTSH -10%|LLFT4 -10% | 0.53 (CI 0.33-0.72; PI 0.12-0.90; I2 0%) | 0.36 (CI 0.17-0.62; PI 0.03-0.91; I2 18%) | 0.48 |
| ULTSH -5%|LLFT4 -10% | 0.53 (CI 0.33-0.72; PI 0.12-0.90; I2 0%) | 0.37 (CI 0.18-0.62; PI 0.04-0.90; I2 7%) | 0.49 |
| ULTSH NP|LLFT4 -10% | 0.53 (CI 0.33-0.72; PI 0.12-0.90; I2 0%) | 0.40 (CI 0.21-0.63; PI 0.06-0.88; I2 0%) | 0.51 |
| ULTSH -50%|LLFT4 -5% | 0.86 (CI 0.43-0.98; PI 0.02-1.00; I2 0%) | 0.19 (CI 0.06-0.48; PI 0.00-0.96; I2 79%) | 0.48 |
| ULTSH -45%|LLFT4 -5% | 0.86 (CI 0.43-0.98; PI 0.02-1.00; I2 0%) | 0.22 (CI 0.06-0.53; PI 0.00-0.97; I2 78%) | 0.51 |
| ULTSH -40%|LLFT4 -5% | 0.86 (CI 0.43-0.98; PI 0.02-1.00; I2 0%) | 0.26 (CI 0.07-0.60; PI 0.00-0.98; I2 78%) | 0.63 |
| ULTSH -35%|LLFT4 -5% | 0.79 (CI 0.45-0.94; PI 0.05-1.00; I2 1%) | 0.28 (CI 0.09-0.63; PI 0.00-0.98; I2 76%) | 0.63 |
| ULTSH -30%|LLFT4 -5% | 0.79 (CI 0.45-0.94; PI 0.05-1.00; I2 1%) | 0.30 (CI 0.09-0.65; PI 0.00-0.98; I2 74%) | 0.65 |
| ULTSH -25%|LLFT4 -5% | 0.73 (CI 0.43-0.91; PI 0.07-0.99; I2 0%) | 0.31 (CI 0.10-0.64; PI 0.01-0.97; I2 70%) | 0.62 |
| ULTSH -20%|LLFT4 -5% | 0.72 (CI 0.42-0.90; PI 0.07-0.99; I2 0%) | 0.33 (CI 0.12-0.64; PI 0.01-0.97; I2 65%) | 0.61 |
| ULTSH -15%|LLFT4 -5% | 0.66 (CI 0.42-0.84; PI 0.12-0.97; I2 0%) | 0.35 (CI 0.13-0.66; PI 0.01-0.97; I2 59%) | 0.57 |
| ULTSH -10%|LLFT4 -5% | 0.62 (CI 0.41-0.79; PI 0.14-0.94; I2 0%) | 0.33 (CI 0.12-0.65; PI 0.01-0.96; I2 53%) | 0.54 |
| ULTSH -5%|LLFT4 -5% | 0.62 (CI 0.41-0.79; PI 0.14-0.94; I2 0%) | 0.34 (CI 0.12-0.65; PI 0.01-0.96; I2 50%) | 0.54 |
| ULTSH NP|LLFT4 -5% | 0.60 (CI 0.40-0.78; PI 0.14-0.93; I2 0%) | 0.35 (CI 0.14-0.65; PI 0.01-0.95; I2 45%) | 0.54 |
| ULTSH -50%|LLFT4 NP | 0.90 (CI 0.57-0.98; PI 0.05-1.00; I2 0%) | 0.13 (CI 0.03-0.40; PI 0.00-0.97; I2 80%) | 0.35 |
| ULTSH -45%|LLFT4 NP | 0.90 (CI 0.57-0.98; PI 0.05-1.00; I2 0%) | 0.15 (CI 0.04-0.43; PI 0.00-0.97; I2 79%) | 0.38 |
| ULTSH -40%|LLFT4 NP | 0.90 (CI 0.57-0.98; PI 0.05-1.00; I2 0%) | 0.18 (CI 0.04-0.50; PI 0.00-0.98; I2 79%) | 0.46 |
| ULTSH -35%|LLFT4 NP | 0.85 (CI 0.57-0.96; PI 0.10-1.00; I2 11%) | 0.20 (CI 0.06-0.52; PI 0.00-0.98; I2 77%) | 0.49 |
| ULTSH -30%|LLFT4 NP | 0.85 (CI 0.57-0.96; PI 0.10-1.00; I2 11%) | 0.24 (CI 0.07-0.56; PI 0.00-0.98; I2 77%) | 0.54 |
| ULTSH -25%|LLFT4 NP | 0.81 (CI 0.54-0.94; PI 0.12-0.99; I2 0%) | 0.26 (CI 0.09-0.57; PI 0.00-0.97; I2 73%) | 0.55 |
| ULTSH -20%|LLFT4 NP | 0.80 (CI 0.53-0.94; PI 0.11-0.99; I2 0%) | 0.29 (CI 0.10-0.59; PI 0.01-0.97; I2 71%) | 0.58 |
| ULTSH -15%|LLFT4 NP | 0.76 (CI 0.52-0.90; PI 0.16-0.98; I2 0%) | 0.31 (CI 0.11-0.62; PI 0.01-0.97; I2 67%) | 0.57 |
| ULTSH -10%|LLFT4 NP | 0.72 (CI 0.50-0.87; PI 0.17-0.97; I2 0%) | 0.30 (CI 0.10-0.63; PI 0.00-0.97; I2 65%) | 0.55 |
| ULTSH -5%|LLFT4 NP | 0.72 (CI 0.50-0.87; PI 0.17-0.97; I2 0%) | 0.30 (CI 0.10-0.64; PI 0.01-0.97; I2 63%) | 0.56 |
| ULTSH NP|LLFT4 NP | 0.69 (CI 0.47-0.84; PI 0.17-0.96; I2 0%) | 0.33 (CI 0.12-0.64; PI 0.01-0.96; I2 59%) | 0.55 |
| ULTSH -50%|LLFT4 +5% | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.09 (CI 0.02-0.28; PI 0.00-0.92; I2 78%) | 0.25 |
| ULTSH -45%|LLFT4 +5% | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.10 (CI 0.03-0.31; PI 0.00-0.92; I2 78%) | 0.28 |
| ULTSH -40%|LLFT4 +5% | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.13 (CI 0.03-0.37; PI 0.00-0.95; I2 78%) | 0.35 |
| ULTSH -35%|LLFT4 +5% | 0.98 (CI 0.61-1.00; PI 0.02-1.00; I2 0%) | 0.15 (CI 0.04-0.40; PI 0.00-0.95; I2 76%) | 0.38 |
| ULTSH -30%|LLFT4 +5% | 0.98 (CI 0.61-1.00; PI 0.02-1.00; I2 0%) | 0.18 (CI 0.06-0.45; PI 0.00-0.95; I2 77%) | 0.44 |
| ULTSH -25%|LLFT4 +5% | 0.98 (CI 0.55-1.00; PI 0.02-1.00; I2 0%) | 0.20 (CI 0.07-0.47; PI 0.00-0.94; I2 74%) | 0.47 |
| ULTSH -20%|LLFT4 +5% | 0.98 (CI 0.54-1.00; PI 0.01-1.00; I2 0%) | 0.24 (CI 0.09-0.51; PI 0.01-0.94; I2 72%) | 0.52 |
| ULTSH -15%|LLFT4 +5% | 0.94 (CI 0.57-1.00; PI 0.04-1.00; I2 0%) | 0.27 (CI 0.10-0.54; PI 0.01-0.95; I2 71%) | 0.54 |
| ULTSH -10%|LLFT4 +5% | 0.90 (CI 0.56-0.98; PI 0.05-1.00; I2 0%) | 0.27 (CI 0.09-0.57; PI 0.01-0.96; I2 69%) | 0.55 |
| ULTSH -5%|LLFT4 +5% | 0.85 (CI 0.57-0.96; PI 0.09-1.00; I2 0%) | 0.28 (CI 0.10-0.57; PI 0.01-0.95; I2 66%) | 0.55 |
| ULTSH NP|LLFT4 +5% | 0.82 (CI 0.54-0.95; PI 0.09-1.00; I2 0%) | 0.30 (CI 0.12-0.57; PI 0.01-0.94; I2 62%) | 0.55 |
| ULTSH -50%|LLFT4 +10% | 1.00 (CI 0.33-1.00; PI 0.01-1.00; I2 0%) | 0.08 (CI 0.02-0.23; PI 0.00-0.89; I2 78%) | 0.20 |
| ULTSH -45%|LLFT4 +10% | 1.00 (CI 0.33-1.00; PI 0.01-1.00; I2 0%) | 0.10 (CI 0.03-0.27; PI 0.00-0.91; I2 78%) | 0.25 |
| ULTSH -40%|LLFT4 +10% | 1.00 (CI 0.33-1.00; PI 0.01-1.00; I2 0%) | 0.12 (CI 0.03-0.34; PI 0.00-0.94; I2 78%) | 0.31 |
| ULTSH -35%|LLFT4 +10% | 0.98 (CI 0.65-1.00; PI 0.06-1.00; I2 0%) | 0.14 (CI 0.04-0.36; PI 0.00-0.93; I2 75%) | 0.34 |
| ULTSH -30%|LLFT4 +10% | 0.98 (CI 0.65-1.00; PI 0.06-1.00; I2 0%) | 0.17 (CI 0.06-0.40; PI 0.00-0.93; I2 75%) | 0.40 |
| ULTSH -25%|LLFT4 +10% | 0.97 (CI 0.58-1.00; PI 0.04-1.00; I2 0%) | 0.19 (CI 0.07-0.42; PI 0.00-0.92; I2 71%) | 0.43 |
| ULTSH -20%|LLFT4 +10% | 0.97 (CI 0.97-0.97; PI 0.10-1.00; I2 0%) | 0.21 (CI 0.08-0.44; PI 0.01-0.92; I2 70%) | 0.46 |
| ULTSH -15%|LLFT4 +10% | 0.93 (CI 0.61-0.99; PI 0.09-1.00; I2 0%) | 0.23 (CI 0.10-0.45; PI 0.01-0.90; I2 67%) | 0.47 |
| ULTSH -10%|LLFT4 +10% | 0.89 (CI 0.61-0.98; PI 0.11-1.00; I2 0%) | 0.24 (CI 0.10-0.47; PI 0.01-0.91; I2 64%) | 0.48 |
| ULTSH -5%|LLFT4 +10% | 0.85 (CI 0.61-0.95; PI 0.19-0.99; I2 0%) | 0.25 (CI 0.11-0.47; PI 0.01-0.90; I2 59%) | 0.48 |
| ULTSH NP|LLFT4 +10% | 0.82 (CI 0.58-0.94; PI 0.19-0.99; I2 0%) | 0.26 (CI 0.12-0.47; PI 0.02-0.87; I2 54%) | 0.49 |
| ULTSH -50%|LLFT4 +15% | 0.99 (CI 0.58-1.00; PI 0.10-1.00; I2 0%) | 0.06 (CI 0.01-0.22; PI 0.00-0.94; I2 80%) | 0.18 |
| ULTSH -45%|LLFT4 +15% | 0.99 (CI 0.58-1.00; PI 0.10-1.00; I2 0%) | 0.08 (CI 0.02-0.25; PI 0.00-0.94; I2 79%) | 0.21 |
| ULTSH -40%|LLFT4 +15% | 0.99 (CI 0.58-1.00; PI 0.10-1.00; I2 0%) | 0.09 (CI 0.02-0.29; PI 0.00-0.95; I2 80%) | 0.26 |
| ULTSH -35%|LLFT4 +15% | 0.96 (CI 0.72-1.00; PI 0.23-1.00; I2 0%) | 0.11 (CI 0.03-0.30; PI 0.00-0.92; I2 77%) | 0.28 |
| ULTSH -30%|LLFT4 +15% | 0.96 (CI 0.72-1.00; PI 0.23-1.00; I2 0%) | 0.13 (CI 0.04-0.34; PI 0.00-0.93; I2 76%) | 0.33 |
| ULTSH -25%|LLFT4 +15% | 0.95 (CI 0.61-1.00; PI 0.13-1.00; I2 0%) | 0.15 (CI 0.05-0.35; PI 0.00-0.90; I2 71%) | 0.34 |
| ULTSH -20%|LLFT4 +15% | 0.95 (CI 0.59-1.00; PI 0.10-1.00; I2 0%) | 0.18 (CI 0.07-0.38; PI 0.00-0.90; I2 69%) | 0.38 |
| ULTSH -15%|LLFT4 +15% | 0.91 (CI 0.64-0.98; PI 0.22-1.00; I2 0%) | 0.19 (CI 0.08-0.40; PI 0.01-0.88; I2 66%) | 0.40 |
| ULTSH -10%|LLFT4 +15% | 0.88 (CI 0.63-0.97; PI 0.18-1.00; I2 0%) | 0.20 (CI 0.08-0.41; PI 0.01-0.88; I2 62%) | 0.41 |
| ULTSH -5%|LLFT4 +15% | 0.84 (CI 0.63-0.94; PI 0.28-0.99; I2 0%) | 0.21 (CI 0.09-0.41; PI 0.01-0.86; I2 57%) | 0.42 |
| ULTSH NP|LLFT4 +15% | 0.81 (CI 0.60-0.92; PI 0.28-0.98; I2 0%) | 0.23 (CI 0.11-0.42; PI 0.02-0.84; I2 53%) | 0.44 |
| ULTSH -50%|LLFT4 +20% | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.05 (CI 0.01-0.19; PI 0.00-0.93; I2 82%) | 0.16 |
| ULTSH -45%|LLFT4 +20% | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.06 (CI 0.02-0.22; PI 0.00-0.93; I2 82%) | 0.19 |
| ULTSH -40%|LLFT4 +20% | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.07 (CI 0.02-0.24; PI 0.00-0.93; I2 81%) | 0.22 |
| ULTSH -35%|LLFT4 +20% | 0.94 (CI 0.85-0.98; PI 0.84-0.98; I2 0%) | 0.09 (CI 0.02-0.28; PI 0.00-0.94; I2 79%) | 0.26 |
| ULTSH -30%|LLFT4 +20% | 0.94 (CI 0.85-0.98; PI 0.84-0.98; I2 0%) | 0.11 (CI 0.03-0.32; PI 0.00-0.94; I2 78%) | 0.30 |
| ULTSH -25%|LLFT4 +20% | 0.93 (CI 0.72-0.98; PI 0.49-0.99; I2 0%) | 0.13 (CI 0.04-0.33; PI 0.00-0.92; I2 73%) | 0.31 |
| ULTSH -20%|LLFT4 +20% | 0.94 (CI 0.65-0.99; PI 0.23-1.00; I2 0%) | 0.15 (CI 0.05-0.35; PI 0.00-0.91; I2 71%) | 0.35 |
| ULTSH -15%|LLFT4 +20% | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.17 (CI 0.06-0.37; PI 0.00-0.90; I2 67%) | 0.37 |
| ULTSH -10%|LLFT4 +20% | 0.88 (CI 0.67-0.96; PI 0.31-0.99; I2 0%) | 0.17 (CI 0.06-0.38; PI 0.00-0.90; I2 65%) | 0.38 |
| ULTSH -5%|LLFT4 +20% | 0.84 (CI 0.67-0.93; PI 0.44-0.97; I2 0%) | 0.18 (CI 0.07-0.39; PI 0.01-0.89; I2 62%) | 0.39 |
| ULTSH NP|LLFT4 +20% | 0.81 (CI 0.63-0.92; PI 0.41-0.96; I2 0%) | 0.20 (CI 0.09-0.40; PI 0.01-0.87; I2 57%) | 0.41 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 14 – Diagnostic performance for subclinical hypothyroidism with relative modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 1.00 (CI 0.90-1.00; PI 0.27-1.00; I2 0%) | 0.20 (CI 0.12-0.32; PI 0.02-0.76; I2 96%) | 0.35 |
| ULTSH -45%|LLFT4 -20% | 0.99 (CI 0.93-1.00; PI 0.55-1.00; I2 0%) | 0.29 (CI 0.16-0.47; PI 0.02-0.91; I2 96%) | 0.46 |
| ULTSH -40%|LLFT4 -20% | 0.99 (CI 0.90-1.00; PI 0.20-1.00; I2 22%) | 0.37 (CI 0.20-0.57; PI 0.02-0.94; I2 95%) | 0.52 |
| ULTSH -35%|LLFT4 -20% | 0.98 (CI 0.88-1.00; PI 0.16-1.00; I2 68%) | 0.46 (CI 0.26-0.67; PI 0.02-0.97; I2 94%) | 0.59 |
| ULTSH -30%|LLFT4 -20% | 0.95 (CI 0.80-0.99; PI 0.12-1.00; I2 77%) | 0.51 (CI 0.32-0.69; PI 0.04-0.96; I2 93%) | 0.58 |
| ULTSH -25%|LLFT4 -20% | 0.94 (CI 0.73-0.99; PI 0.05-1.00; I2 80%) | 0.56 (CI 0.38-0.72; PI 0.07-0.96; I2 91%) | 0.60 |
| ULTSH -20%|LLFT4 -20% | 0.94 (CI 0.68-0.99; PI 0.02-1.00; I2 86%) | 0.61 (CI 0.45-0.76; PI 0.11-0.95; I2 90%) | 0.63 |
| ULTSH -15%|LLFT4 -20% | 0.84 (CI 0.55-0.95; PI 0.02-1.00; I2 93%) | 0.66 (CI 0.48-0.81; PI 0.10-0.97; I2 89%) | 0.64 |
| ULTSH -10%|LLFT4 -20% | 0.70 (CI 0.45-0.87; PI 0.04-0.99; I2 93%) | 0.70 (CI 0.54-0.83; PI 0.14-0.97; I2 86%) | 0.61 |
| ULTSH -5%|LLFT4 -20% | 0.62 (CI 0.36-0.82; PI 0.03-0.99; I2 92%) | 0.72 (CI 0.56-0.84; PI 0.16-0.97; I2 85%) | 0.57 |
| ULTSH NP|LLFT4 -20% | 0.53 (CI 0.29-0.76; PI 0.02-0.98; I2 91%) | 0.75 (CI 0.57-0.87; PI 0.14-0.98; I2 78%) | 0.52 |
| ULTSH -50%|LLFT4 -15% | 1.00 (CI 0.88-1.00; PI 0.14-1.00; I2 0%) | 0.20 (CI 0.12-0.32; PI 0.02-0.76; I2 96%) | 0.35 |
| ULTSH -45%|LLFT4 -15% | 1.00 (CI 0.93-1.00; PI 0.36-1.00; I2 0%) | 0.29 (CI 0.16-0.47; PI 0.02-0.91; I2 96%) | 0.46 |
| ULTSH -40%|LLFT4 -15% | 0.99 (CI 0.90-1.00; PI 0.15-1.00; I2 0%) | 0.37 (CI 0.20-0.58; PI 0.02-0.95; I2 95%) | 0.52 |
| ULTSH -35%|LLFT4 -15% | 0.98 (CI 0.86-1.00; PI 0.13-1.00; I2 58%) | 0.47 (CI 0.26-0.68; PI 0.02-0.97; I2 94%) | 0.59 |
| ULTSH -30%|LLFT4 -15% | 0.94 (CI 0.78-0.99; PI 0.11-1.00; I2 73%) | 0.52 (CI 0.32-0.71; PI 0.04-0.97; I2 93%) | 0.58 |
| ULTSH -25%|LLFT4 -15% | 0.93 (CI 0.72-0.99; PI 0.04-1.00; I2 78%) | 0.57 (CI 0.38-0.73; PI 0.06-0.96; I2 91%) | 0.60 |
| ULTSH -20%|LLFT4 -15% | 0.93 (CI 0.66-0.99; PI 0.02-1.00; I2 86%) | 0.62 (CI 0.45-0.77; PI 0.10-0.96; I2 90%) | 0.63 |
| ULTSH -15%|LLFT4 -15% | 0.82 (CI 0.54-0.95; PI 0.03-1.00; I2 92%) | 0.67 (CI 0.48-0.82; PI 0.09-0.98; I2 89%) | 0.64 |
| ULTSH -10%|LLFT4 -15% | 0.69 (CI 0.44-0.86; PI 0.04-0.99; I2 93%) | 0.71 (CI 0.54-0.84; PI 0.13-0.97; I2 86%) | 0.60 |
| ULTSH -5%|LLFT4 -15% | 0.60 (CI 0.36-0.80; PI 0.03-0.99; I2 92%) | 0.73 (CI 0.57-0.85; PI 0.15-0.98; I2 85%) | 0.56 |
| ULTSH NP|LLFT4 -15% | 0.52 (CI 0.28-0.74; PI 0.02-0.98; I2 90%) | 0.76 (CI 0.57-0.88; PI 0.13-0.98; I2 78%) | 0.51 |
| ULTSH -50%|LLFT4 -10% | 1.00 (CI 0.94-1.00; PI 0.25-1.00; I2 0%) | 0.20 (CI 0.12-0.32; PI 0.02-0.77; I2 96%) | 0.35 |
| ULTSH -45%|LLFT4 -10% | 0.99 (CI 0.93-1.00; PI 0.38-1.00; I2 0%) | 0.30 (CI 0.16-0.48; PI 0.02-0.92; I2 96%) | 0.47 |
| ULTSH -40%|LLFT4 -10% | 0.98 (CI 0.89-1.00; PI 0.18-1.00; I2 0%) | 0.38 (CI 0.21-0.60; PI 0.02-0.96; I2 95%) | 0.52 |
| ULTSH -35%|LLFT4 -10% | 0.97 (CI 0.85-0.99; PI 0.16-1.00; I2 51%) | 0.48 (CI 0.26-0.70; PI 0.02-0.98; I2 94%) | 0.59 |
| ULTSH -30%|LLFT4 -10% | 0.92 (CI 0.77-0.98; PI 0.14-1.00; I2 69%) | 0.53 (CI 0.32-0.73; PI 0.04-0.97; I2 92%) | 0.58 |
| ULTSH -25%|LLFT4 -10% | 0.91 (CI 0.70-0.98; PI 0.06-1.00; I2 75%) | 0.58 (CI 0.39-0.75; PI 0.06-0.97; I2 91%) | 0.60 |
| ULTSH -20%|LLFT4 -10% | 0.90 (CI 0.64-0.98; PI 0.02-1.00; I2 85%) | 0.64 (CI 0.46-0.78; PI 0.10-0.96; I2 90%) | 0.64 |
| ULTSH -15%|LLFT4 -10% | 0.79 (CI 0.52-0.93; PI 0.03-1.00; I2 92%) | 0.69 (CI 0.50-0.83; PI 0.09-0.98; I2 89%) | 0.64 |
| ULTSH -10%|LLFT4 -10% | 0.65 (CI 0.43-0.83; PI 0.05-0.98; I2 92%) | 0.72 (CI 0.55-0.85; PI 0.13-0.98; I2 86%) | 0.60 |
| ULTSH -5%|LLFT4 -10% | 0.57 (CI 0.35-0.76; PI 0.04-0.98; I2 91%) | 0.74 (CI 0.58-0.86; PI 0.15-0.98; I2 85%) | 0.56 |
| ULTSH NP|LLFT4 -10% | 0.49 (CI 0.28-0.70; PI 0.03-0.97; I2 90%) | 0.76 (CI 0.58-0.88; PI 0.13-0.99; I2 78%) | 0.50 |
| ULTSH -50%|LLFT4 -5% | 0.99 (CI 0.92-1.00; PI 0.18-1.00; I2 44%) | 0.20 (CI 0.12-0.32; PI 0.02-0.77; I2 96%) | 0.35 |
| ULTSH -45%|LLFT4 -5% | 0.98 (CI 0.91-1.00; PI 0.29-1.00; I2 57%) | 0.30 (CI 0.16-0.49; PI 0.02-0.92; I2 96%) | 0.46 |
| ULTSH -40%|LLFT4 -5% | 0.98 (CI 0.87-1.00; PI 0.09-1.00; I2 0%) | 0.40 (CI 0.20-0.63; PI 0.01-0.97; I2 95%) | 0.52 |
| ULTSH -35%|LLFT4 -5% | 0.97 (CI 0.83-0.99; PI 0.10-1.00; I2 44%) | 0.49 (CI 0.26-0.72; PI 0.02-0.98; I2 94%) | 0.59 |
| ULTSH -30%|LLFT4 -5% | 0.91 (CI 0.74-0.97; PI 0.11-1.00; I2 59%) | 0.55 (CI 0.33-0.75; PI 0.03-0.98; I2 92%) | 0.58 |
| ULTSH -25%|LLFT4 -5% | 0.90 (CI 0.67-0.97; PI 0.05-1.00; I2 61%) | 0.59 (CI 0.39-0.77; PI 0.05-0.97; I2 91%) | 0.60 |
| ULTSH -20%|LLFT4 -5% | 0.89 (CI 0.60-0.98; PI 0.02-1.00; I2 78%) | 0.65 (CI 0.47-0.80; PI 0.09-0.97; I2 90%) | 0.64 |
| ULTSH -15%|LLFT4 -5% | 0.76 (CI 0.49-0.91; PI 0.03-1.00; I2 91%) | 0.71 (CI 0.51-0.86; PI 0.07-0.99; I2 88%) | 0.64 |
| ULTSH -10%|LLFT4 -5% | 0.62 (CI 0.41-0.80; PI 0.05-0.98; I2 91%) | 0.74 (CI 0.55-0.87; PI 0.11-0.98; I2 85%) | 0.59 |
| ULTSH -5%|LLFT4 -5% | 0.53 (CI 0.34-0.72; PI 0.05-0.96; I2 89%) | 0.77 (CI 0.59-0.88; PI 0.14-0.99; I2 84%) | 0.54 |
| ULTSH NP|LLFT4 -5% | 0.46 (CI 0.27-0.66; PI 0.03-0.96; I2 88%) | 0.79 (CI 0.60-0.90; PI 0.13-0.99; I2 77%) | 0.49 |
| ULTSH -50%|LLFT4 NP | 0.98 (CI 0.89-1.00; PI 0.17-1.00; I2 69%) | 0.21 (CI 0.12-0.32; PI 0.02-0.75; I2 95%) | 0.35 |
| ULTSH -45%|LLFT4 NP | 0.97 (CI 0.88-0.99; PI 0.24-1.00; I2 76%) | 0.30 (CI 0.16-0.49; PI 0.02-0.92; I2 95%) | 0.46 |
| ULTSH -40%|LLFT4 NP | 0.96 (CI 0.84-0.99; PI 0.12-1.00; I2 66%) | 0.40 (CI 0.21-0.63; PI 0.02-0.97; I2 95%) | 0.51 |
| ULTSH -35%|LLFT4 NP | 0.94 (CI 0.80-0.99; PI 0.11-1.00; I2 76%) | 0.50 (CI 0.27-0.72; PI 0.02-0.98; I2 93%) | 0.58 |
| ULTSH -30%|LLFT4 NP | 0.87 (CI 0.70-0.95; PI 0.12-1.00; I2 79%) | 0.55 (CI 0.34-0.75; PI 0.04-0.98; I2 92%) | 0.57 |
| ULTSH -25%|LLFT4 NP | 0.85 (CI 0.63-0.95; PI 0.06-1.00; I2 76%) | 0.60 (CI 0.40-0.77; PI 0.06-0.97; I2 90%) | 0.59 |
| ULTSH -20%|LLFT4 NP | 0.83 (CI 0.56-0.95; PI 0.03-1.00; I2 81%) | 0.66 (CI 0.48-0.80; PI 0.11-0.97; I2 90%) | 0.62 |
| ULTSH -15%|LLFT4 NP | 0.71 (CI 0.45-0.88; PI 0.03-0.99; I2 91%) | 0.72 (CI 0.52-0.86; PI 0.08-0.99; I2 87%) | 0.62 |
| ULTSH -10%|LLFT4 NP | 0.59 (CI 0.38-0.78; PI 0.05-0.98; I2 91%) | 0.75 (CI 0.56-0.87; PI 0.12-0.98; I2 83%) | 0.57 |
| ULTSH -5%|LLFT4 NP | 0.50 (CI 0.31-0.70; PI 0.04-0.96; I2 88%) | 0.78 (CI 0.61-0.89; PI 0.17-0.98; I2 80%) | 0.52 |
| ULTSH NP|LLFT4 NP | 0.43 (CI 0.24-0.64; PI 0.03-0.95; I2 86%) | 0.79 (CI 0.62-0.90; PI 0.16-0.99; I2 75%) | 0.47 |
| ULTSH -50%|LLFT4 +5% | 0.96 (CI 0.84-0.99; PI 0.13-1.00; I2 85%) | 0.21 (CI 0.12-0.33; PI 0.02-0.78; I2 95%) | 0.34 |
| ULTSH -45%|LLFT4 +5% | 0.94 (CI 0.83-0.98; PI 0.18-1.00; I2 87%) | 0.31 (CI 0.16-0.50; PI 0.01-0.93; I2 95%) | 0.45 |
| ULTSH -40%|LLFT4 +5% | 0.93 (CI 0.78-0.98; PI 0.11-1.00; I2 84%) | 0.40 (CI 0.21-0.63; PI 0.01-0.97; I2 94%) | 0.51 |
| ULTSH -35%|LLFT4 +5% | 0.89 (CI 0.73-0.96; PI 0.12-1.00; I2 87%) | 0.50 (CI 0.27-0.73; PI 0.02-0.98; I2 93%) | 0.58 |
| ULTSH -30%|LLFT4 +5% | 0.81 (CI 0.64-0.91; PI 0.14-0.99; I2 88%) | 0.55 (CI 0.33-0.75; PI 0.03-0.98; I2 91%) | 0.57 |
| ULTSH -25%|LLFT4 +5% | 0.77 (CI 0.57-0.89; PI 0.09-0.99; I2 86%) | 0.61 (CI 0.41-0.78; PI 0.06-0.97; I2 90%) | 0.58 |
| ULTSH -20%|LLFT4 +5% | 0.74 (CI 0.50-0.89; PI 0.05-0.99; I2 88%) | 0.67 (CI 0.49-0.82; PI 0.09-0.98; I2 90%) | 0.62 |
| ULTSH -15%|LLFT4 +5% | 0.64 (CI 0.40-0.82; PI 0.04-0.99; I2 91%) | 0.74 (CI 0.51-0.89; PI 0.06-0.99; I2 85%) | 0.62 |
| ULTSH -10%|LLFT4 +5% | 0.52 (CI 0.34-0.70; PI 0.06-0.95; I2 91%) | 0.76 (CI 0.55-0.89; PI 0.09-0.99; I2 79%) | 0.55 |
| ULTSH -5%|LLFT4 +5% | 0.44 (CI 0.28-0.61; PI 0.05-0.92; I2 88%) | 0.78 (CI 0.60-0.89; PI 0.13-0.99; I2 77%) | 0.50 |
| ULTSH NP|LLFT4 +5% | 0.37 (CI 0.23-0.54; PI 0.04-0.89; I2 86%) | 0.79 (CI 0.61-0.90; PI 0.15-0.99; I2 70%) | 0.45 |
| ULTSH -50%|LLFT4 +10% | 0.92 (CI 0.72-0.98; PI 0.05-1.00; I2 87%) | 0.20 (CI 0.11-0.33; PI 0.02-0.79; I2 95%) | 0.32 |
| ULTSH -45%|LLFT4 +10% | 0.89 (CI 0.71-0.97; PI 0.08-1.00; I2 89%) | 0.29 (CI 0.15-0.50; PI 0.01-0.94; I2 95%) | 0.43 |
| ULTSH -40%|LLFT4 +10% | 0.87 (CI 0.66-0.96; PI 0.06-1.00; I2 89%) | 0.39 (CI 0.19-0.63; PI 0.01-0.97; I2 94%) | 0.48 |
| ULTSH -35%|LLFT4 +10% | 0.82 (CI 0.61-0.93; PI 0.07-1.00; I2 90%) | 0.48 (CI 0.25-0.73; PI 0.01-0.98; I2 93%) | 0.55 |
| ULTSH -30%|LLFT4 +10% | 0.71 (CI 0.53-0.84; PI 0.11-0.98; I2 91%) | 0.53 (CI 0.31-0.75; PI 0.02-0.98; I2 91%) | 0.53 |
| ULTSH -25%|LLFT4 +10% | 0.66 (CI 0.46-0.81; PI 0.07-0.98; I2 91%) | 0.59 (CI 0.38-0.77; PI 0.05-0.98; I2 89%) | 0.54 |
| ULTSH -20%|LLFT4 +10% | 0.61 (CI 0.39-0.80; PI 0.04-0.98; I2 91%) | 0.66 (CI 0.47-0.81; PI 0.08-0.98; I2 89%) | 0.56 |
| ULTSH -15%|LLFT4 +10% | 0.52 (CI 0.31-0.73; PI 0.03-0.97; I2 92%) | 0.73 (CI 0.49-0.88; PI 0.05-0.99; I2 84%) | 0.53 |
| ULTSH -10%|LLFT4 +10% | 0.43 (CI 0.27-0.61; PI 0.04-0.93; I2 90%) | 0.74 (CI 0.52-0.88; PI 0.07-0.99; I2 79%) | 0.48 |
| ULTSH -5%|LLFT4 +10% | 0.35 (CI 0.22-0.52; PI 0.04-0.88; I2 87%) | 0.75 (CI 0.55-0.89; PI 0.10-0.99; I2 75%) | 0.42 |
| ULTSH NP|LLFT4 +10% | 0.30 (CI 0.18-0.45; PI 0.03-0.84; I2 85%) | 0.77 (CI 0.58-0.89; PI 0.14-0.98; I2 66%) | 0.38 |
| ULTSH -50%|LLFT4 +15% | 0.84 (CI 0.59-0.95; PI 0.04-1.00; I2 89%) | 0.19 (CI 0.11-0.33; PI 0.01-0.80; I2 94%) | 0.31 |
| ULTSH -45%|LLFT4 +15% | 0.80 (CI 0.59-0.92; PI 0.06-1.00; I2 91%) | 0.29 (CI 0.14-0.52; PI 0.01-0.95; I2 94%) | 0.41 |
| ULTSH -40%|LLFT4 +15% | 0.77 (CI 0.54-0.90; PI 0.06-0.99; I2 91%) | 0.39 (CI 0.18-0.64; PI 0.01-0.98; I2 93%) | 0.46 |
| ULTSH -35%|LLFT4 +15% | 0.71 (CI 0.51-0.86; PI 0.08-0.99; I2 92%) | 0.48 (CI 0.24-0.74; PI 0.01-0.99; I2 92%) | 0.52 |
| ULTSH -30%|LLFT4 +15% | 0.62 (CI 0.44-0.77; PI 0.09-0.97; I2 91%) | 0.54 (CI 0.30-0.76; PI 0.02-0.98; I2 89%) | 0.51 |
| ULTSH -25%|LLFT4 +15% | 0.56 (CI 0.38-0.73; PI 0.07-0.96; I2 90%) | 0.59 (CI 0.37-0.78; PI 0.05-0.98; I2 87%) | 0.51 |
| ULTSH -20%|LLFT4 +15% | 0.52 (CI 0.33-0.70; PI 0.05-0.96; I2 91%) | 0.66 (CI 0.46-0.82; PI 0.08-0.98; I2 88%) | 0.53 |
| ULTSH -15%|LLFT4 +15% | 0.44 (CI 0.27-0.63; PI 0.04-0.94; I2 91%) | 0.73 (CI 0.48-0.89; PI 0.04-0.99; I2 83%) | 0.49 |
| ULTSH -10%|LLFT4 +15% | 0.36 (CI 0.23-0.52; PI 0.05-0.87; I2 89%) | 0.73 (CI 0.50-0.88; PI 0.06-0.99; I2 75%) | 0.44 |
| ULTSH -5%|LLFT4 +15% | 0.30 (CI 0.19-0.43; PI 0.05-0.78; I2 84%) | 0.74 (CI 0.52-0.88; PI 0.08-0.99; I2 69%) | 0.38 |
| ULTSH NP|LLFT4 +15% | 0.25 (CI 0.15-0.37; PI 0.04-0.74; I2 83%) | 0.75 (CI 0.55-0.88; PI 0.13-0.98; I2 60%) | 0.33 |
| ULTSH -50%|LLFT4 +20% | 0.76 (CI 0.46-0.92; PI 0.02-1.00; I2 90%) | 0.18 (CI 0.10-0.32; PI 0.01-0.80; I2 94%) | 0.28 |
| ULTSH -45%|LLFT4 +20% | 0.72 (CI 0.46-0.88; PI 0.03-0.99; I2 91%) | 0.28 (CI 0.12-0.52; PI 0.01-0.96; I2 93%) | 0.38 |
| ULTSH -40%|LLFT4 +20% | 0.67 (CI 0.41-0.86; PI 0.03-0.99; I2 91%) | 0.37 (CI 0.17-0.63; PI 0.01-0.98; I2 93%) | 0.43 |
| ULTSH -35%|LLFT4 +20% | 0.61 (CI 0.39-0.79; PI 0.05-0.98; I2 92%) | 0.47 (CI 0.21-0.74; PI 0.01-0.99; I2 91%) | 0.47 |
| ULTSH -30%|LLFT4 +20% | 0.52 (CI 0.35-0.69; PI 0.06-0.95; I2 90%) | 0.53 (CI 0.28-0.77; PI 0.02-0.99; I2 89%) | 0.46 |
| ULTSH -25%|LLFT4 +20% | 0.46 (CI 0.30-0.63; PI 0.06-0.93; I2 89%) | 0.58 (CI 0.34-0.79; PI 0.03-0.98; I2 87%) | 0.45 |
| ULTSH -20%|LLFT4 +20% | 0.42 (CI 0.26-0.60; PI 0.04-0.92; I2 89%) | 0.64 (CI 0.43-0.82; PI 0.06-0.98; I2 87%) | 0.45 |
| ULTSH -15%|LLFT4 +20% | 0.35 (CI 0.21-0.53; PI 0.03-0.90; I2 89%) | 0.71 (CI 0.44-0.89; PI 0.03-0.99; I2 82%) | 0.42 |
| ULTSH -10%|LLFT4 +20% | 0.30 (CI 0.19-0.44; PI 0.04-0.80; I2 86%) | 0.71 (CI 0.46-0.88; PI 0.05-0.99; I2 76%) | 0.37 |
| ULTSH -5%|LLFT4 +20% | 0.24 (CI 0.16-0.36; PI 0.04-0.70; I2 83%) | 0.72 (CI 0.47-0.88; PI 0.05-0.99; I2 68%) | 0.32 |
| ULTSH NP|LLFT4 +20% | 0.20 (CI 0.13-0.30; PI 0.04-0.63; I2 80%) | 0.72 (CI 0.51-0.87; PI 0.11-0.98; I2 55%) | 0.28 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 15 – Diagnostic performance for overt hypothyroidism with absolute modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.2|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.3|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.4|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.5|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.6|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.7|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.8|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -0.9|LLFT4 -5 | 0.22 (CI 0.14-0.33; PI 0.13-0.35; I2 0%) | 0.13 (CI 0.03-0.41; PI 0.03-0.45; I2 0%) | 0.25 |
| ULTSH -1.0|LLFT4 -5 | 0.24 (CI 0.14-0.39; PI 0.09-0.50; I2 0%) | 0.14 (CI 0.01-0.71; PI 0.00-0.85; I2 0%) | 0.29 |
| ULTSH -0.1|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.2|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.3|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.4|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.5|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.6|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.7|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.8|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -0.9|LLFT4 -4 | 0.25 (CI 0.16-0.37; PI 0.15-0.38; I2 0%) | 0.24 (CI 0.09-0.49; PI 0.08-0.52; I2 0%) | 0.29 |
| ULTSH -1.0|LLFT4 -4 | 0.26 (CI 0.17-0.38; PI 0.16-0.40; I2 0%) | 0.28 (CI 0.12-0.52; PI 0.11-0.55; I2 0%) | 0.33 |
| ULTSH -0.1|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.15-0.71; PI 0.08-0.83; I2 0%) | 0.45 |
| ULTSH -0.2|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.15-0.71; PI 0.08-0.83; I2 0%) | 0.45 |
| ULTSH -0.3|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.15-0.71; PI 0.08-0.83; I2 0%) | 0.45 |
| ULTSH -0.4|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.15-0.71; PI 0.08-0.83; I2 0%) | 0.45 |
| ULTSH -0.5|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.42 (CI 0.24-0.62; PI 0.22-0.64; I2 0%) | 0.43 |
| ULTSH -0.6|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.42 (CI 0.24-0.62; PI 0.22-0.64; I2 0%) | 0.43 |
| ULTSH -0.7|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.23-0.60; PI 0.21-0.62; I2 0%) | 0.42 |
| ULTSH -0.8|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.23-0.60; PI 0.21-0.62; I2 0%) | 0.42 |
| ULTSH -0.9|LLFT4 -3 | 0.36 (CI 0.21-0.54; PI 0.09-0.76; I2 0%) | 0.40 (CI 0.23-0.60; PI 0.21-0.62; I2 0%) | 0.42 |
| ULTSH -1.0|LLFT4 -3 | 0.39 (CI 0.22-0.58; PI 0.08-0.82; I2 0%) | 0.42 (CI 0.25-0.61; PI 0.23-0.64; I2 0%) | 0.44 |
| ULTSH -0.1|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.41 (CI 0.27-0.57; PI 0.25-0.59; I2 0%) | 0.48 |
| ULTSH -0.2|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.41 (CI 0.27-0.57; PI 0.25-0.59; I2 0%) | 0.48 |
| ULTSH -0.3|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.39 (CI 0.24-0.56; PI 0.18-0.64; I2 0%) | 0.46 |
| ULTSH -0.4|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.39 (CI 0.24-0.56; PI 0.18-0.64; I2 0%) | 0.46 |
| ULTSH -0.5|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.38 (CI 0.23-0.56; PI 0.15-0.67; I2 0%) | 0.46 |
| ULTSH -0.6|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.37 (CI 0.21-0.56; PI 0.12-0.72; I2 0%) | 0.45 |
| ULTSH -0.7|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.09-0.76; I2 0%) | 0.44 |
| ULTSH -0.8|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.35 (CI 0.19-0.56; PI 0.08-0.78; I2 0%) | 0.43 |
| ULTSH -0.9|LLFT4 -2 | 0.46 (CI 0.28-0.66; PI 0.10-0.87; I2 0%) | 0.33 (CI 0.16-0.56; PI 0.05-0.82; I2 0%) | 0.42 |
| ULTSH -1.0|LLFT4 -2 | 0.50 (CI 0.29-0.71; PI 0.08-0.92; I2 0%) | 0.34 (CI 0.16-0.59; PI 0.04-0.86; I2 6%) | 0.45 |
| ULTSH -0.1|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.35 (CI 0.16-0.60; PI 0.03-0.90; I2 10%) | 0.47 |
| ULTSH -0.2|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.35 (CI 0.16-0.60; PI 0.03-0.90; I2 16%) | 0.47 |
| ULTSH -0.3|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.34 (CI 0.15-0.60; PI 0.03-0.91; I2 24%) | 0.46 |
| ULTSH -0.4|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.34 (CI 0.15-0.60; PI 0.03-0.91; I2 24%) | 0.46 |
| ULTSH -0.5|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.33 (CI 0.14-0.60; PI 0.02-0.92; I2 26%) | 0.46 |
| ULTSH -0.6|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.32 (CI 0.13-0.60; PI 0.02-0.93; I2 34%) | 0.45 |
| ULTSH -0.7|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.31 (CI 0.12-0.59; PI 0.01-0.94; I2 40%) | 0.45 |
| ULTSH -0.8|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.29 (CI 0.12-0.57; PI 0.01-0.92; I2 41%) | 0.44 |
| ULTSH -0.9|LLFT4 -1 | 0.53 (CI 0.32-0.72; PI 0.11-0.91; I2 0%) | 0.28 (CI 0.10-0.56; PI 0.01-0.93; I2 48%) | 0.43 |
| ULTSH -1.0|LLFT4 -1 | 0.58 (CI 0.32-0.81; PI 0.06-0.97; I2 0%) | 0.28 (CI 0.10-0.58; PI 0.01-0.95; I2 52%) | 0.46 |
| ULTSH -0.1|LLFT4 +0 | 0.71 (CI 0.49-0.86; PI 0.16-0.97; I2 0%) | 0.31 (CI 0.10-0.64; PI 0.01-0.97; I2 62%) | 0.55 |
| ULTSH -0.2|LLFT4 +0 | 0.71 (CI 0.49-0.86; PI 0.16-0.97; I2 0%) | 0.30 (CI 0.10-0.63; PI 0.01-0.97; I2 62%) | 0.55 |
| ULTSH -0.3|LLFT4 +0 | 0.72 (CI 0.50-0.87; PI 0.17-0.97; I2 0%) | 0.30 (CI 0.10-0.63; PI 0.01-0.97; I2 65%) | 0.55 |
| ULTSH -0.4|LLFT4 +0 | 0.72 (CI 0.50-0.87; PI 0.17-0.97; I2 0%) | 0.30 (CI 0.10-0.63; PI 0.01-0.97; I2 65%) | 0.55 |
| ULTSH -0.5|LLFT4 +0 | 0.72 (CI 0.50-0.87; PI 0.17-0.97; I2 0%) | 0.29 (CI 0.09-0.63; PI 0.00-0.97; I2 66%) | 0.55 |
| ULTSH -0.6|LLFT4 +0 | 0.76 (CI 0.52-0.90; PI 0.16-0.98; I2 0%) | 0.32 (CI 0.11-0.63; PI 0.01-0.97; I2 67%) | 0.58 |
| ULTSH -0.7|LLFT4 +0 | 0.76 (CI 0.52-0.90; PI 0.16-0.98; I2 0%) | 0.30 (CI 0.11-0.60; PI 0.01-0.96; I2 68%) | 0.56 |
| ULTSH -0.8|LLFT4 +0 | 0.76 (CI 0.52-0.90; PI 0.16-0.98; I2 0%) | 0.29 (CI 0.11-0.58; PI 0.01-0.96; I2 69%) | 0.55 |
| ULTSH -0.9|LLFT4 +0 | 0.76 (CI 0.52-0.90; PI 0.16-0.98; I2 0%) | 0.27 (CI 0.10-0.56; PI 0.01-0.96; I2 70%) | 0.52 |
| ULTSH -1.0|LLFT4 +0 | 0.80 (CI 0.53-0.94; PI 0.11-0.99; I2 0%) | 0.26 (CI 0.09-0.57; PI 0.00-0.97; I2 72%) | 0.55 |
| ULTSH -0.1|LLFT4 +1 | 0.84 (CI 0.60-0.95; PI 0.17-0.99; I2 0%) | 0.24 (CI 0.11-0.45; PI 0.02-0.86; I2 52%) | 0.47 |
| ULTSH -0.2|LLFT4 +1 | 0.84 (CI 0.60-0.95; PI 0.17-0.99; I2 0%) | 0.24 (CI 0.11-0.44; PI 0.02-0.85; I2 54%) | 0.46 |
| ULTSH -0.3|LLFT4 +1 | 0.89 (CI 0.61-0.98; PI 0.11-1.00; I2 0%) | 0.24 (CI 0.11-0.45; PI 0.01-0.87; I2 59%) | 0.47 |
| ULTSH -0.4|LLFT4 +1 | 0.89 (CI 0.61-0.98; PI 0.11-1.00; I2 0%) | 0.23 (CI 0.10-0.45; PI 0.01-0.88; I2 59%) | 0.47 |
| ULTSH -0.5|LLFT4 +1 | 0.89 (CI 0.61-0.98; PI 0.11-1.00; I2 0%) | 0.23 (CI 0.10-0.44; PI 0.01-0.89; I2 63%) | 0.46 |
| ULTSH -0.6|LLFT4 +1 | 0.93 (CI 0.61-0.99; PI 0.09-1.00; I2 0%) | 0.23 (CI 0.11-0.44; PI 0.01-0.87; I2 64%) | 0.46 |
| ULTSH -0.7|LLFT4 +1 | 0.93 (CI 0.61-0.99; PI 0.09-1.00; I2 0%) | 0.22 (CI 0.10-0.41; PI 0.01-0.86; I2 64%) | 0.44 |
| ULTSH -0.8|LLFT4 +1 | 0.93 (CI 0.61-0.99; PI 0.09-1.00; I2 0%) | 0.21 (CI 0.09-0.40; PI 0.01-0.86; I2 64%) | 0.43 |
| ULTSH -0.9|LLFT4 +1 | 0.93 (CI 0.61-0.99; PI 0.09-1.00; I2 0%) | 0.19 (CI 0.08-0.38; PI 0.01-0.86; I2 65%) | 0.40 |
| ULTSH -1.0|LLFT4 +1 | 0.97 (CI 0.97-0.97; PI 0.10-1.00; I2 0%) | 0.18 (CI 0.08-0.38; PI 0.01-0.88; I2 68%) | 0.40 |
| ULTSH -0.1|LLFT4 +2 | 0.84 (CI 0.65-0.93; PI 0.37-0.98; I2 0%) | 0.19 (CI 0.08-0.40; PI 0.01-0.88; I2 57%) | 0.41 |
| ULTSH -0.2|LLFT4 +2 | 0.84 (CI 0.65-0.93; PI 0.37-0.98; I2 0%) | 0.18 (CI 0.07-0.39; PI 0.01-0.88; I2 58%) | 0.39 |
| ULTSH -0.3|LLFT4 +2 | 0.88 (CI 0.67-0.96; PI 0.31-0.99; I2 0%) | 0.18 (CI 0.07-0.38; PI 0.01-0.88; I2 61%) | 0.39 |
| ULTSH -0.4|LLFT4 +2 | 0.88 (CI 0.67-0.96; PI 0.31-0.99; I2 0%) | 0.17 (CI 0.07-0.37; PI 0.01-0.88; I2 62%) | 0.38 |
| ULTSH -0.5|LLFT4 +2 | 0.88 (CI 0.67-0.96; PI 0.31-0.99; I2 0%) | 0.17 (CI 0.06-0.37; PI 0.00-0.89; I2 64%) | 0.37 |
| ULTSH -0.6|LLFT4 +2 | 0.91 (CI 0.67-0.98; PI 0.27-1.00; I2 0%) | 0.17 (CI 0.07-0.36; PI 0.01-0.88; I2 65%) | 0.37 |
| ULTSH -0.7|LLFT4 +2 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.16 (CI 0.06-0.36; PI 0.00-0.89; I2 67%) | 0.36 |
| ULTSH -0.8|LLFT4 +2 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.15 (CI 0.06-0.35; PI 0.00-0.89; I2 67%) | 0.34 |
| ULTSH -0.9|LLFT4 +2 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.14 (CI 0.05-0.33; PI 0.00-0.90; I2 69%) | 0.32 |
| ULTSH -1.0|LLFT4 +2 | 0.94 (CI 0.65-0.99; PI 0.23-1.00; I2 0%) | 0.13 (CI 0.05-0.32; PI 0.00-0.90; I2 71%) | 0.31 |
| ULTSH -0.1|LLFT4 +3 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.14 (CI 0.05-0.33; PI 0.00-0.87; I2 58%) | 0.33 |
| ULTSH -0.2|LLFT4 +3 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.14 (CI 0.05-0.32; PI 0.00-0.87; I2 59%) | 0.32 |
| ULTSH -0.3|LLFT4 +3 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.13 (CI 0.05-0.32; PI 0.00-0.88; I2 63%) | 0.31 |
| ULTSH -0.4|LLFT4 +3 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.12 (CI 0.04-0.31; PI 0.00-0.89; I2 64%) | 0.30 |
| ULTSH -0.5|LLFT4 +3 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.11 (CI 0.04-0.30; PI 0.00-0.90; I2 65%) | 0.28 |
| ULTSH -0.6|LLFT4 +3 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.12 (CI 0.04-0.30; PI 0.00-0.89; I2 67%) | 0.29 |
| ULTSH -0.7|LLFT4 +3 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.11 (CI 0.04-0.29; PI 0.00-0.90; I2 69%) | 0.28 |
| ULTSH -0.8|LLFT4 +3 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.11 (CI 0.04-0.29; PI 0.00-0.90; I2 70%) | 0.27 |
| ULTSH -0.9|LLFT4 +3 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.10 (CI 0.03-0.27; PI 0.00-0.91; I2 71%) | 0.26 |
| ULTSH -1.0|LLFT4 +3 | 0.94 (CI 0.69-0.99; PI 0.35-1.00; I2 0%) | 0.09 (CI 0.03-0.27; PI 0.00-0.91; I2 73%) | 0.24 |
| ULTSH -0.1|LLFT4 +4 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.13 (CI 0.06-0.27; PI 0.01-0.75; I2 59%) | 0.29 |
| ULTSH -0.2|LLFT4 +4 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.12 (CI 0.05-0.26; PI 0.01-0.75; I2 61%) | 0.28 |
| ULTSH -0.3|LLFT4 +4 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.12 (CI 0.05-0.26; PI 0.01-0.77; I2 65%) | 0.27 |
| ULTSH -0.4|LLFT4 +4 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.11 (CI 0.04-0.25; PI 0.00-0.78; I2 67%) | 0.26 |
| ULTSH -0.5|LLFT4 +4 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.10 (CI 0.04-0.24; PI 0.00-0.80; I2 68%) | 0.24 |
| ULTSH -0.6|LLFT4 +4 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.10 (CI 0.04-0.22; PI 0.00-0.74; I2 69%) | 0.24 |
| ULTSH -0.7|LLFT4 +4 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.09 (CI 0.04-0.21; PI 0.00-0.75; I2 72%) | 0.22 |
| ULTSH -0.8|LLFT4 +4 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.09 (CI 0.03-0.20; PI 0.00-0.74; I2 73%) | 0.21 |
| ULTSH -0.9|LLFT4 +4 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.08 (CI 0.03-0.19; PI 0.00-0.74; I2 74%) | 0.19 |
| ULTSH -1.0|LLFT4 +4 | 0.94 (CI 0.69-0.99; PI 0.35-1.00; I2 0%) | 0.07 (CI 0.03-0.18; PI 0.00-0.74; I2 75%) | 0.18 |
| ULTSH -0.1|LLFT4 +5 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.12 (CI 0.05-0.25; PI 0.01-0.71; I2 60%) | 0.27 |
| ULTSH -0.2|LLFT4 +5 | 0.84 (CI 0.67-0.93; PI 0.46-0.97; I2 0%) | 0.11 (CI 0.05-0.23; PI 0.01-0.67; I2 60%) | 0.26 |
| ULTSH -0.3|LLFT4 +5 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.11 (CI 0.05-0.22; PI 0.01-0.68; I2 64%) | 0.25 |
| ULTSH -0.4|LLFT4 +5 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.10 (CI 0.04-0.21; PI 0.01-0.70; I2 66%) | 0.23 |
| ULTSH -0.5|LLFT4 +5 | 0.87 (CI 0.69-0.95; PI 0.43-0.98; I2 0%) | 0.09 (CI 0.04-0.20; PI 0.00-0.71; I2 67%) | 0.22 |
| ULTSH -0.6|LLFT4 +5 | 0.90 (CI 0.69-0.97; PI 0.39-0.99; I2 0%) | 0.09 (CI 0.04-0.19; PI 0.00-0.66; I2 69%) | 0.21 |
| ULTSH -0.7|LLFT4 +5 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.08 (CI 0.04-0.18; PI 0.00-0.67; I2 71%) | 0.20 |
| ULTSH -0.8|LLFT4 +5 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.08 (CI 0.03-0.17; PI 0.00-0.66; I2 72%) | 0.19 |
| ULTSH -0.9|LLFT4 +5 | 0.90 (CI 0.72-0.97; PI 0.49-0.99; I2 0%) | 0.07 (CI 0.03-0.16; PI 0.00-0.67; I2 74%) | 0.18 |
| ULTSH -1.0|LLFT4 +5 | 0.94 (CI 0.69-0.99; PI 0.35-1.00; I2 0%) | 0.07 (CI 0.03-0.15; PI 0.00-0.66; I2 74%) | 0.16 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 16 – Diagnostic performance for subclinical hypothyroidism with absolute modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.63 (CI 0.32-0.86; PI 0.01-1.00; I2 89%) | 0.70 (CI 0.53-0.82; PI 0.16-0.97; I2 84%) | 0.55 |
| ULTSH -0.2|LLFT4 -5 | 0.69 (CI 0.35-0.90; PI 0.01-1.00; I2 87%) | 0.69 (CI 0.53-0.82; PI 0.16-0.96; I2 85%) | 0.56 |
| ULTSH -0.3|LLFT4 -5 | 0.71 (CI 0.39-0.91; PI 0.01-1.00; I2 89%) | 0.68 (CI 0.53-0.80; PI 0.17-0.96; I2 83%) | 0.57 |
| ULTSH -0.4|LLFT4 -5 | 0.74 (CI 0.42-0.92; PI 0.01-1.00; I2 91%) | 0.67 (CI 0.51-0.80; PI 0.14-0.96; I2 85%) | 0.59 |
| ULTSH -0.5|LLFT4 -5 | 0.84 (CI 0.49-0.97; PI 0.01-1.00; I2 91%) | 0.67 (CI 0.50-0.81; PI 0.11-0.97; I2 87%) | 0.64 |
| ULTSH -0.6|LLFT4 -5 | 0.86 (CI 0.54-0.97; PI 0.01-1.00; I2 90%) | 0.64 (CI 0.46-0.79; PI 0.10-0.97; I2 89%) | 0.62 |
| ULTSH -0.7|LLFT4 -5 | 0.97 (CI 0.65-1.00; PI 0.00-1.00; I2 67%) | 0.63 (CI 0.46-0.77; PI 0.10-0.96; I2 90%) | 0.65 |
| ULTSH -0.8|LLFT4 -5 | 0.97 (CI 0.68-1.00; PI 0.00-1.00; I2 67%) | 0.59 (CI 0.44-0.73; PI 0.12-0.94; I2 89%) | 0.62 |
| ULTSH -0.9|LLFT4 -5 | 0.97 (CI 0.69-1.00; PI 0.00-1.00; I2 65%) | 0.56 (CI 0.41-0.70; PI 0.11-0.93; I2 89%) | 0.58 |
| ULTSH -1.0|LLFT4 -5 | 0.97 (CI 0.71-1.00; PI 0.01-1.00; I2 62%) | 0.53 (CI 0.37-0.68; PI 0.09-0.93; I2 90%) | 0.56 |
| ULTSH -0.1|LLFT4 -4 | 0.63 (CI 0.32-0.86; PI 0.01-1.00; I2 89%) | 0.70 (CI 0.54-0.83; PI 0.15-0.97; I2 84%) | 0.55 |
| ULTSH -0.2|LLFT4 -4 | 0.69 (CI 0.35-0.90; PI 0.01-1.00; I2 87%) | 0.70 (CI 0.54-0.82; PI 0.16-0.96; I2 85%) | 0.56 |
| ULTSH -0.3|LLFT4 -4 | 0.71 (CI 0.39-0.91; PI 0.01-1.00; I2 89%) | 0.68 (CI 0.53-0.80; PI 0.18-0.96; I2 83%) | 0.57 |
| ULTSH -0.4|LLFT4 -4 | 0.74 (CI 0.42-0.92; PI 0.01-1.00; I2 91%) | 0.67 (CI 0.51-0.80; PI 0.14-0.96; I2 85%) | 0.59 |
| ULTSH -0.5|LLFT4 -4 | 0.84 (CI 0.49-0.97; PI 0.01-1.00; I2 91%) | 0.68 (CI 0.50-0.81; PI 0.12-0.97; I2 87%) | 0.64 |
| ULTSH -0.6|LLFT4 -4 | 0.86 (CI 0.54-0.97; PI 0.01-1.00; I2 90%) | 0.64 (CI 0.46-0.79; PI 0.10-0.97; I2 89%) | 0.62 |
| ULTSH -0.7|LLFT4 -4 | 0.97 (CI 0.65-1.00; PI 0.00-1.00; I2 67%) | 0.63 (CI 0.46-0.78; PI 0.10-0.96; I2 90%) | 0.66 |
| ULTSH -0.8|LLFT4 -4 | 0.97 (CI 0.68-1.00; PI 0.00-1.00; I2 67%) | 0.59 (CI 0.44-0.73; PI 0.12-0.94; I2 89%) | 0.62 |
| ULTSH -0.9|LLFT4 -4 | 0.97 (CI 0.69-1.00; PI 0.00-1.00; I2 65%) | 0.56 (CI 0.41-0.70; PI 0.11-0.93; I2 89%) | 0.58 |
| ULTSH -1.0|LLFT4 -4 | 0.97 (CI 0.71-1.00; PI 0.01-1.00; I2 62%) | 0.53 (CI 0.37-0.68; PI 0.09-0.93; I2 90%) | 0.56 |
| ULTSH -0.1|LLFT4 -3 | 0.63 (CI 0.32-0.86; PI 0.01-1.00; I2 89%) | 0.72 (CI 0.54-0.85; PI 0.13-0.98; I2 83%) | 0.56 |
| ULTSH -0.2|LLFT4 -3 | 0.69 (CI 0.35-0.90; PI 0.01-1.00; I2 87%) | 0.71 (CI 0.55-0.83; PI 0.16-0.97; I2 86%) | 0.57 |
| ULTSH -0.3|LLFT4 -3 | 0.71 (CI 0.39-0.91; PI 0.01-1.00; I2 89%) | 0.69 (CI 0.54-0.81; PI 0.18-0.96; I2 84%) | 0.58 |
| ULTSH -0.4|LLFT4 -3 | 0.74 (CI 0.42-0.92; PI 0.01-1.00; I2 91%) | 0.68 (CI 0.52-0.81; PI 0.15-0.96; I2 85%) | 0.59 |
| ULTSH -0.5|LLFT4 -3 | 0.84 (CI 0.49-0.97; PI 0.01-1.00; I2 91%) | 0.68 (CI 0.51-0.82; PI 0.12-0.97; I2 87%) | 0.64 |
| ULTSH -0.6|LLFT4 -3 | 0.86 (CI 0.54-0.97; PI 0.01-1.00; I2 90%) | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 89%) | 0.62 |
| ULTSH -0.7|LLFT4 -3 | 0.97 (CI 0.65-1.00; PI 0.00-1.00; I2 67%) | 0.64 (CI 0.47-0.78; PI 0.10-0.96; I2 90%) | 0.66 |
| ULTSH -0.8|LLFT4 -3 | 0.97 (CI 0.68-1.00; PI 0.00-1.00; I2 67%) | 0.60 (CI 0.45-0.74; PI 0.12-0.94; I2 89%) | 0.62 |
| ULTSH -0.9|LLFT4 -3 | 0.97 (CI 0.69-1.00; PI 0.00-1.00; I2 65%) | 0.57 (CI 0.41-0.71; PI 0.11-0.94; I2 89%) | 0.59 |
| ULTSH -1.0|LLFT4 -3 | 0.97 (CI 0.71-1.00; PI 0.01-1.00; I2 62%) | 0.54 (CI 0.38-0.69; PI 0.09-0.93; I2 90%) | 0.56 |
| ULTSH -0.1|LLFT4 -2 | 0.58 (CI 0.32-0.80; PI 0.02-0.99; I2 92%) | 0.75 (CI 0.55-0.87; PI 0.11-0.99; I2 81%) | 0.54 |
| ULTSH -0.2|LLFT4 -2 | 0.61 (CI 0.36-0.81; PI 0.03-0.99; I2 92%) | 0.73 (CI 0.56-0.85; PI 0.15-0.98; I2 86%) | 0.56 |
| ULTSH -0.3|LLFT4 -2 | 0.64 (CI 0.39-0.83; PI 0.03-0.99; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.17-0.97; I2 84%) | 0.58 |
| ULTSH -0.4|LLFT4 -2 | 0.67 (CI 0.42-0.85; PI 0.03-0.99; I2 93%) | 0.70 (CI 0.53-0.83; PI 0.14-0.97; I2 86%) | 0.59 |
| ULTSH -0.5|LLFT4 -2 | 0.77 (CI 0.48-0.92; PI 0.02-1.00; I2 93%) | 0.70 (CI 0.52-0.83; PI 0.11-0.98; I2 87%) | 0.64 |
| ULTSH -0.6|LLFT4 -2 | 0.80 (CI 0.51-0.94; PI 0.02-1.00; I2 93%) | 0.66 (CI 0.48-0.81; PI 0.09-0.97; I2 89%) | 0.63 |
| ULTSH -0.7|LLFT4 -2 | 0.93 (CI 0.60-0.99; PI 0.01-1.00; I2 89%) | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 90%) | 0.66 |
| ULTSH -0.8|LLFT4 -2 | 0.93 (CI 0.63-0.99; PI 0.01-1.00; I2 88%) | 0.61 (CI 0.45-0.75; PI 0.12-0.95; I2 90%) | 0.62 |
| ULTSH -0.9|LLFT4 -2 | 0.93 (CI 0.64-0.99; PI 0.01-1.00; I2 88%) | 0.58 (CI 0.42-0.72; PI 0.11-0.94; I2 89%) | 0.59 |
| ULTSH -1.0|LLFT4 -2 | 0.93 (CI 0.66-0.99; PI 0.02-1.00; I2 87%) | 0.54 (CI 0.38-0.70; PI 0.09-0.94; I2 90%) | 0.56 |
| ULTSH -0.1|LLFT4 -1 | 0.52 (CI 0.31-0.73; PI 0.03-0.97; I2 91%) | 0.76 (CI 0.57-0.88; PI 0.11-0.99; I2 81%) | 0.52 |
| ULTSH -0.2|LLFT4 -1 | 0.56 (CI 0.34-0.75; PI 0.04-0.98; I2 91%) | 0.74 (CI 0.57-0.86; PI 0.14-0.98; I2 85%) | 0.55 |
| ULTSH -0.3|LLFT4 -1 | 0.59 (CI 0.37-0.77; PI 0.05-0.98; I2 92%) | 0.72 (CI 0.56-0.84; PI 0.16-0.97; I2 84%) | 0.57 |
| ULTSH -0.4|LLFT4 -1 | 0.62 (CI 0.40-0.81; PI 0.05-0.98; I2 92%) | 0.71 (CI 0.53-0.84; PI 0.13-0.97; I2 85%) | 0.58 |
| ULTSH -0.5|LLFT4 -1 | 0.72 (CI 0.45-0.89; PI 0.03-1.00; I2 93%) | 0.71 (CI 0.52-0.84; PI 0.11-0.98; I2 86%) | 0.64 |
| ULTSH -0.6|LLFT4 -1 | 0.76 (CI 0.48-0.91; PI 0.03-1.00; I2 92%) | 0.67 (CI 0.48-0.82; PI 0.09-0.98; I2 89%) | 0.62 |
| ULTSH -0.7|LLFT4 -1 | 0.89 (CI 0.56-0.98; PI 0.01-1.00; I2 87%) | 0.66 (CI 0.48-0.81; PI 0.10-0.97; I2 90%) | 0.66 |
| ULTSH -0.8|LLFT4 -1 | 0.90 (CI 0.59-0.98; PI 0.01-1.00; I2 87%) | 0.62 (CI 0.46-0.76; PI 0.12-0.95; I2 90%) | 0.62 |
| ULTSH -0.9|LLFT4 -1 | 0.90 (CI 0.60-0.98; PI 0.01-1.00; I2 86%) | 0.59 (CI 0.43-0.73; PI 0.10-0.95; I2 89%) | 0.59 |
| ULTSH -1.0|LLFT4 -1 | 0.90 (CI 0.62-0.98; PI 0.02-1.00; I2 84%) | 0.55 (CI 0.39-0.71; PI 0.09-0.94; I2 90%) | 0.56 |
| ULTSH -0.1|LLFT4 +0 | 0.47 (CI 0.27-0.67; PI 0.03-0.96; I2 88%) | 0.79 (CI 0.61-0.90; PI 0.14-0.99; I2 77%) | 0.50 |
| ULTSH -0.2|LLFT4 +0 | 0.50 (CI 0.30-0.70; PI 0.04-0.96; I2 89%) | 0.78 (CI 0.61-0.89; PI 0.15-0.99; I2 81%) | 0.52 |
| ULTSH -0.3|LLFT4 +0 | 0.53 (CI 0.33-0.73; PI 0.04-0.97; I2 90%) | 0.76 (CI 0.59-0.87; PI 0.17-0.98; I2 80%) | 0.54 |
| ULTSH -0.4|LLFT4 +0 | 0.57 (CI 0.35-0.76; PI 0.04-0.98; I2 91%) | 0.74 (CI 0.56-0.86; PI 0.13-0.98; I2 82%) | 0.55 |
| ULTSH -0.5|LLFT4 +0 | 0.64 (CI 0.39-0.83; PI 0.03-0.99; I2 92%) | 0.74 (CI 0.54-0.87; PI 0.10-0.99; I2 84%) | 0.60 |
| ULTSH -0.6|LLFT4 +0 | 0.68 (CI 0.42-0.86; PI 0.03-0.99; I2 91%) | 0.72 (CI 0.51-0.86; PI 0.08-0.99; I2 87%) | 0.61 |
| ULTSH -0.7|LLFT4 +0 | 0.80 (CI 0.49-0.95; PI 0.01-1.00; I2 85%) | 0.70 (CI 0.51-0.84; PI 0.10-0.98; I2 89%) | 0.65 |
| ULTSH -0.8|LLFT4 +0 | 0.82 (CI 0.52-0.95; PI 0.02-1.00; I2 84%) | 0.65 (CI 0.48-0.79; PI 0.12-0.96; I2 89%) | 0.61 |
| ULTSH -0.9|LLFT4 +0 | 0.82 (CI 0.53-0.95; PI 0.02-1.00; I2 84%) | 0.62 (CI 0.45-0.77; PI 0.10-0.96; I2 89%) | 0.58 |
| ULTSH -1.0|LLFT4 +0 | 0.83 (CI 0.55-0.95; PI 0.03-1.00; I2 82%) | 0.58 (CI 0.41-0.74; PI 0.09-0.95; I2 89%) | 0.55 |
| ULTSH -0.1|LLFT4 +1 | 0.32 (CI 0.19-0.48; PI 0.03-0.86; I2 86%) | 0.76 (CI 0.55-0.89; PI 0.09-0.99; I2 71%) | 0.39 |
| ULTSH -0.2|LLFT4 +1 | 0.35 (CI 0.21-0.51; PI 0.04-0.88; I2 87%) | 0.75 (CI 0.54-0.89; PI 0.10-0.99; I2 76%) | 0.41 |
| ULTSH -0.3|LLFT4 +1 | 0.37 (CI 0.23-0.55; PI 0.04-0.90; I2 89%) | 0.74 (CI 0.53-0.88; PI 0.09-0.99; I2 75%) | 0.44 |
| ULTSH -0.4|LLFT4 +1 | 0.40 (CI 0.24-0.59; PI 0.03-0.93; I2 91%) | 0.72 (CI 0.49-0.87; PI 0.06-0.99; I2 78%) | 0.45 |
| ULTSH -0.5|LLFT4 +1 | 0.47 (CI 0.27-0.68; PI 0.03-0.97; I2 92%) | 0.73 (CI 0.50-0.88; PI 0.06-0.99; I2 81%) | 0.51 |
| ULTSH -0.6|LLFT4 +1 | 0.50 (CI 0.28-0.72; PI 0.03-0.97; I2 92%) | 0.71 (CI 0.47-0.87; PI 0.05-0.99; I2 84%) | 0.51 |
| ULTSH -0.7|LLFT4 +1 | 0.56 (CI 0.32-0.78; PI 0.02-0.99; I2 92%) | 0.70 (CI 0.48-0.85; PI 0.07-0.99; I2 88%) | 0.56 |
| ULTSH -0.8|LLFT4 +1 | 0.59 (CI 0.35-0.79; PI 0.03-0.98; I2 92%) | 0.65 (CI 0.46-0.80; PI 0.09-0.97; I2 88%) | 0.54 |
| ULTSH -0.9|LLFT4 +1 | 0.59 (CI 0.36-0.79; PI 0.03-0.98; I2 92%) | 0.61 (CI 0.43-0.77; PI 0.09-0.96; I2 88%) | 0.51 |
| ULTSH -1.0|LLFT4 +1 | 0.60 (CI 0.38-0.79; PI 0.04-0.98; I2 91%) | 0.57 (CI 0.38-0.74; PI 0.07-0.96; I2 88%) | 0.49 |
| ULTSH -0.1|LLFT4 +2 | 0.22 (CI 0.14-0.33; PI 0.03-0.69; I2 81%) | 0.70 (CI 0.43-0.88; PI 0.05-0.99; I2 66%) | 0.29 |
| ULTSH -0.2|LLFT4 +2 | 0.24 (CI 0.15-0.36; PI 0.04-0.73; I2 82%) | 0.70 (CI 0.44-0.88; PI 0.04-0.99; I2 69%) | 0.31 |
| ULTSH -0.3|LLFT4 +2 | 0.26 (CI 0.16-0.39; PI 0.04-0.77; I2 84%) | 0.68 (CI 0.41-0.87; PI 0.04-0.99; I2 70%) | 0.32 |
| ULTSH -0.4|LLFT4 +2 | 0.28 (CI 0.17-0.43; PI 0.03-0.82; I2 87%) | 0.67 (CI 0.39-0.87; PI 0.03-0.99; I2 74%) | 0.34 |
| ULTSH -0.5|LLFT4 +2 | 0.32 (CI 0.18-0.50; PI 0.02-0.90; I2 88%) | 0.70 (CI 0.42-0.88; PI 0.03-0.99; I2 78%) | 0.38 |
| ULTSH -0.6|LLFT4 +2 | 0.34 (CI 0.19-0.52; PI 0.02-0.91; I2 90%) | 0.68 (CI 0.40-0.87; PI 0.03-0.99; I2 82%) | 0.39 |
| ULTSH -0.7|LLFT4 +2 | 0.38 (CI 0.22-0.57; PI 0.03-0.93; I2 90%) | 0.68 (CI 0.44-0.85; PI 0.05-0.99; I2 86%) | 0.43 |
| ULTSH -0.8|LLFT4 +2 | 0.39 (CI 0.23-0.59; PI 0.03-0.94; I2 90%) | 0.64 (CI 0.42-0.81; PI 0.07-0.98; I2 86%) | 0.43 |
| ULTSH -0.9|LLFT4 +2 | 0.40 (CI 0.23-0.59; PI 0.03-0.94; I2 90%) | 0.60 (CI 0.39-0.78; PI 0.06-0.97; I2 85%) | 0.42 |
| ULTSH -1.0|LLFT4 +2 | 0.41 (CI 0.25-0.60; PI 0.03-0.94; I2 89%) | 0.55 (CI 0.34-0.75; PI 0.05-0.97; I2 85%) | 0.41 |
| ULTSH -0.1|LLFT4 +3 | 0.14 (CI 0.09-0.22; PI 0.02-0.53; I2 69%) | 0.61 (CI 0.35-0.82; PI 0.05-0.98; I2 47%) | 0.19 |
| ULTSH -0.2|LLFT4 +3 | 0.16 (CI 0.10-0.24; PI 0.03-0.55; I2 69%) | 0.63 (CI 0.37-0.83; PI 0.05-0.98; I2 52%) | 0.22 |
| ULTSH -0.3|LLFT4 +3 | 0.17 (CI 0.11-0.26; PI 0.03-0.58; I2 71%) | 0.62 (CI 0.35-0.83; PI 0.04-0.98; I2 57%) | 0.23 |
| ULTSH -0.4|LLFT4 +3 | 0.18 (CI 0.11-0.28; PI 0.03-0.62; I2 73%) | 0.61 (CI 0.33-0.82; PI 0.03-0.99; I2 62%) | 0.24 |
| ULTSH -0.5|LLFT4 +3 | 0.20 (CI 0.12-0.31; PI 0.03-0.67; I2 75%) | 0.63 (CI 0.37-0.83; PI 0.04-0.99; I2 67%) | 0.26 |
| ULTSH -0.6|LLFT4 +3 | 0.21 (CI 0.13-0.33; PI 0.03-0.71; I2 78%) | 0.62 (CI 0.34-0.83; PI 0.03-0.99; I2 73%) | 0.27 |
| ULTSH -0.7|LLFT4 +3 | 0.23 (CI 0.14-0.36; PI 0.03-0.76; I2 80%) | 0.61 (CI 0.37-0.81; PI 0.04-0.98; I2 78%) | 0.29 |
| ULTSH -0.8|LLFT4 +3 | 0.24 (CI 0.14-0.38; PI 0.03-0.79; I2 81%) | 0.57 (CI 0.35-0.76; PI 0.05-0.97; I2 78%) | 0.30 |
| ULTSH -0.9|LLFT4 +3 | 0.25 (CI 0.15-0.38; PI 0.03-0.78; I2 80%) | 0.54 (CI 0.32-0.74; PI 0.05-0.97; I2 78%) | 0.30 |
| ULTSH -1.0|LLFT4 +3 | 0.26 (CI 0.16-0.40; PI 0.03-0.79; I2 79%) | 0.50 (CI 0.29-0.72; PI 0.03-0.97; I2 78%) | 0.31 |
| ULTSH -0.1|LLFT4 +4 | 0.10 (CI 0.06-0.15; PI 0.03-0.30; I2 44%) | 0.55 (CI 0.30-0.78; PI 0.05-0.97; I2 24%) | 0.14 |
| ULTSH -0.2|LLFT4 +4 | 0.11 (CI 0.07-0.16; PI 0.03-0.34; I2 47%) | 0.58 (CI 0.31-0.80; PI 0.05-0.97; I2 33%) | 0.15 |
| ULTSH -0.3|LLFT4 +4 | 0.12 (CI 0.08-0.18; PI 0.03-0.37; I2 48%) | 0.59 (CI 0.34-0.80; PI 0.05-0.97; I2 42%) | 0.17 |
| ULTSH -0.4|LLFT4 +4 | 0.13 (CI 0.08-0.20; PI 0.03-0.43; I2 56%) | 0.59 (CI 0.33-0.80; PI 0.05-0.98; I2 46%) | 0.18 |
| ULTSH -0.5|LLFT4 +4 | 0.13 (CI 0.08-0.20; PI 0.03-0.43; I2 56%) | 0.57 (CI 0.32-0.80; PI 0.04-0.98; I2 50%) | 0.18 |
| ULTSH -0.6|LLFT4 +4 | 0.13 (CI 0.08-0.20; PI 0.03-0.46; I2 62%) | 0.56 (CI 0.29-0.80; PI 0.03-0.98; I2 58%) | 0.18 |
| ULTSH -0.7|LLFT4 +4 | 0.14 (CI 0.09-0.22; PI 0.03-0.50; I2 64%) | 0.55 (CI 0.28-0.79; PI 0.03-0.98; I2 63%) | 0.19 |
| ULTSH -0.8|LLFT4 +4 | 0.15 (CI 0.09-0.23; PI 0.03-0.53; I2 66%) | 0.52 (CI 0.29-0.74; PI 0.04-0.97; I2 65%) | 0.20 |
| ULTSH -0.9|LLFT4 +4 | 0.15 (CI 0.09-0.23; PI 0.03-0.52; I2 65%) | 0.49 (CI 0.27-0.71; PI 0.04-0.96; I2 63%) | 0.20 |
| ULTSH -1.0|LLFT4 +4 | 0.16 (CI 0.10-0.24; PI 0.03-0.55; I2 66%) | 0.45 (CI 0.23-0.68; PI 0.03-0.96; I2 64%) | 0.20 |
| ULTSH -0.1|LLFT4 +5 | 0.06 (CI 0.04-0.11; PI 0.01-0.29; I2 45%) | 0.34 (CI 0.10-0.70; PI 0.01-0.97; I2 0%) | 0.08 |
| ULTSH -0.2|LLFT4 +5 | 0.07 (CI 0.04-0.12; PI 0.01-0.32; I2 45%) | 0.33 (CI 0.09-0.71; PI 0.01-0.97; I2 11%) | 0.09 |
| ULTSH -0.3|LLFT4 +5 | 0.07 (CI 0.04-0.12; PI 0.01-0.33; I2 43%) | 0.37 (CI 0.12-0.71; PI 0.01-0.97; I2 16%) | 0.10 |
| ULTSH -0.4|LLFT4 +5 | 0.08 (CI 0.04-0.13; PI 0.01-0.37; I2 44%) | 0.37 (CI 0.12-0.73; PI 0.01-0.98; I2 19%) | 0.10 |
| ULTSH -0.5|LLFT4 +5 | 0.08 (CI 0.04-0.13; PI 0.01-0.37; I2 44%) | 0.37 (CI 0.11-0.72; PI 0.01-0.98; I2 22%) | 0.10 |
| ULTSH -0.6|LLFT4 +5 | 0.08 (CI 0.04-0.14; PI 0.01-0.40; I2 49%) | 0.37 (CI 0.11-0.73; PI 0.01-0.98; I2 27%) | 0.11 |
| ULTSH -0.7|LLFT4 +5 | 0.08 (CI 0.05-0.14; PI 0.01-0.41; I2 50%) | 0.34 (CI 0.10-0.72; PI 0.00-0.98; I2 36%) | 0.11 |
| ULTSH -0.8|LLFT4 +5 | 0.09 (CI 0.05-0.15; PI 0.01-0.46; I2 55%) | 0.36 (CI 0.13-0.69; PI 0.01-0.97; I2 45%) | 0.11 |
| ULTSH -0.9|LLFT4 +5 | 0.09 (CI 0.05-0.15; PI 0.01-0.43; I2 54%) | 0.37 (CI 0.16-0.65; PI 0.02-0.96; I2 46%) | 0.12 |
| ULTSH -1.0|LLFT4 +5 | 0.10 (CI 0.06-0.17; PI 0.01-0.47; I2 57%) | 0.34 (CI 0.14-0.62; PI 0.01-0.95; I2 47%) | 0.13 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 17 – Diagnostic performance for overt hypothyroidism with fixed limits in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.21 (CI 0.03-0.74; PI 0.01-0.92; I2 0%) | 0.39 |
| ULTSH 3.1|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.21 (CI 0.03-0.74; PI 0.01-0.92; I2 0%) | 0.39 |
| ULTSH 3.2|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.21 (CI 0.03-0.74; PI 0.01-0.92; I2 0%) | 0.39 |
| ULTSH 3.3|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.4|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.5|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.6|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.7|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.8|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.9|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.0|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.1|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.2|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.3|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.4|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.5|LLFT4 5 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.0|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.21 (CI 0.02-0.74; PI 0.01-0.93; I2 0%) | 0.39 |
| ULTSH 3.1|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.21 (CI 0.02-0.74; PI 0.01-0.93; I2 0%) | 0.39 |
| ULTSH 3.2|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.19 (CI 0.02-0.75; PI 0.00-0.95; I2 0%) | 0.41 |
| ULTSH 3.3|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.4|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.5|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.6|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.7|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.8|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 3.9|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 4.0|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 4.1|LLFT4 6 | 0.37 (CI 0.18-0.62; PI 0.03-0.92; I2 0%) | 0.15 (CI 0.01-0.76; PI 0.00-0.97; I2 0%) | 0.44 |
| ULTSH 4.2|LLFT4 6 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.3|LLFT4 6 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.4|LLFT4 6 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 4.5|LLFT4 6 | 0.36 (CI 0.17-0.61; PI 0.03-0.91; I2 0%) | 0.17 (CI 0.01-0.75; PI 0.00-0.96; I2 0%) | 0.43 |
| ULTSH 3.0|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.21 (CI 0.05-0.59; PI 0.01-0.90; I2 0%) | 0.46 |
| ULTSH 3.1|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.19 (CI 0.03-0.61; PI 0.00-0.94; I2 0%) | 0.50 |
| ULTSH 3.2|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.20 (CI 0.03-0.63; PI 0.00-0.94; I2 0%) | 0.51 |
| ULTSH 3.3|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.21 (CI 0.04-0.66; PI 0.00-0.95; I2 0%) | 0.52 |
| ULTSH 3.4|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.22 (CI 0.04-0.67; PI 0.00-0.95; I2 0%) | 0.52 |
| ULTSH 3.5|LLFT4 7 | 0.58 (CI 0.21-0.88; PI 0.01-1.00; I2 0%) | 0.22 (CI 0.04-0.67; PI 0.00-0.95; I2 0%) | 0.52 |
| ULTSH 3.6|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.67; PI 0.01-0.94; I2 0%) | 0.49 |
| ULTSH 3.7|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.67; PI 0.01-0.94; I2 0%) | 0.49 |
| ULTSH 3.8|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.67; PI 0.01-0.94; I2 0%) | 0.49 |
| ULTSH 3.9|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.68; PI 0.01-0.95; I2 0%) | 0.49 |
| ULTSH 4.0|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.68; PI 0.01-0.95; I2 0%) | 0.49 |
| ULTSH 4.1|LLFT4 7 | 0.51 (CI 0.22-0.80; PI 0.02-0.99; I2 15%) | 0.23 (CI 0.04-0.68; PI 0.01-0.95; I2 0%) | 0.49 |
| ULTSH 4.2|LLFT4 7 | 0.46 (CI 0.22-0.72; PI 0.03-0.96; I2 7%) | 0.25 (CI 0.05-0.68; PI 0.01-0.93; I2 0%) | 0.45 |
| ULTSH 4.3|LLFT4 7 | 0.46 (CI 0.22-0.72; PI 0.03-0.96; I2 7%) | 0.26 (CI 0.05-0.69; PI 0.01-0.93; I2 0%) | 0.46 |
| ULTSH 4.4|LLFT4 7 | 0.44 (CI 0.21-0.69; PI 0.03-0.95; I2 0%) | 0.27 (CI 0.06-0.69; PI 0.01-0.92; I2 0%) | 0.45 |
| ULTSH 4.5|LLFT4 7 | 0.44 (CI 0.21-0.69; PI 0.03-0.95; I2 0%) | 0.27 (CI 0.06-0.69; PI 0.01-0.92; I2 0%) | 0.45 |
| ULTSH 3.0|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.22 (CI 0.12-0.36; PI 0.06-0.55; I2 0%) | 0.37 |
| ULTSH 3.1|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.25 (CI 0.13-0.41; PI 0.06-0.63; I2 0%) | 0.40 |
| ULTSH 3.2|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.26 (CI 0.14-0.43; PI 0.07-0.65; I2 0%) | 0.42 |
| ULTSH 3.3|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.28 (CI 0.16-0.45; PI 0.08-0.64; I2 0%) | 0.43 |
| ULTSH 3.4|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.29 (CI 0.17-0.45; PI 0.09-0.62; I2 0%) | 0.44 |
| ULTSH 3.5|LLFT4 8 | 0.67 (CI 0.31-0.90; PI 0.02-1.00; I2 0%) | 0.30 (CI 0.17-0.46; PI 0.09-0.63; I2 0%) | 0.44 |
| ULTSH 3.6|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.31 (CI 0.19-0.47; PI 0.12-0.61; I2 0%) | 0.45 |
| ULTSH 3.7|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.33 (CI 0.19-0.49; PI 0.11-0.65; I2 0%) | 0.46 |
| ULTSH 3.8|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.35 (CI 0.21-0.51; PI 0.13-0.65; I2 0%) | 0.48 |
| ULTSH 3.9|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.36 (CI 0.21-0.54; PI 0.12-0.69; I2 0%) | 0.49 |
| ULTSH 4.0|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.37 (CI 0.22-0.55; PI 0.13-0.70; I2 0%) | 0.50 |
| ULTSH 4.1|LLFT4 8 | 0.61 (CI 0.32-0.84; PI 0.03-0.99; I2 22%) | 0.38 (CI 0.24-0.55; PI 0.17-0.66; I2 0%) | 0.50 |
| ULTSH 4.2|LLFT4 8 | 0.55 (CI 0.31-0.78; PI 0.05-0.96; I2 9%) | 0.38 (CI 0.26-0.51; PI 0.25-0.53; I2 0%) | 0.49 |
| ULTSH 4.3|LLFT4 8 | 0.55 (CI 0.29-0.78; PI 0.04-0.97; I2 16%) | 0.38 (CI 0.26-0.52; PI 0.24-0.54; I2 0%) | 0.48 |
| ULTSH 4.4|LLFT4 8 | 0.53 (CI 0.28-0.76; PI 0.05-0.96; I2 3%) | 0.38 (CI 0.26-0.53; PI 0.24-0.55; I2 0%) | 0.48 |
| ULTSH 4.5|LLFT4 8 | 0.53 (CI 0.28-0.76; PI 0.05-0.96; I2 3%) | 0.40 (CI 0.27-0.55; PI 0.25-0.57; I2 0%) | 0.49 |
| ULTSH 3.0|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.18 (CI 0.08-0.36; PI 0.02-0.75; I2 46%) | 0.38 |
| ULTSH 3.1|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.19 (CI 0.09-0.37; PI 0.02-0.73; I2 42%) | 0.38 |
| ULTSH 3.2|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.20 (CI 0.10-0.38; PI 0.02-0.72; I2 39%) | 0.39 |
| ULTSH 3.3|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.22 (CI 0.11-0.40; PI 0.03-0.75; I2 34%) | 0.40 |
| ULTSH 3.4|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.22 (CI 0.11-0.41; PI 0.03-0.74; I2 32%) | 0.40 |
| ULTSH 3.5|LLFT4 9 | 0.84 (CI 0.36-0.98; PI 0.01-1.00; I2 0%) | 0.24 (CI 0.12-0.41; PI 0.04-0.71; I2 25%) | 0.41 |
| ULTSH 3.6|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.24 (CI 0.13-0.41; PI 0.05-0.67; I2 17%) | 0.41 |
| ULTSH 3.7|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.25 (CI 0.14-0.41; PI 0.06-0.64; I2 9%) | 0.41 |
| ULTSH 3.8|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.26 (CI 0.15-0.41; PI 0.08-0.59; I2 0%) | 0.42 |
| ULTSH 3.9|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.27 (CI 0.16-0.42; PI 0.09-0.58; I2 0%) | 0.43 |
| ULTSH 4.0|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.27 (CI 0.17-0.41; PI 0.11-0.53; I2 0%) | 0.43 |
| ULTSH 4.1|LLFT4 9 | 0.76 (CI 0.38-0.94; PI 0.03-1.00; I2 0%) | 0.29 (CI 0.19-0.41; PI 0.16-0.48; I2 0%) | 0.45 |
| ULTSH 4.2|LLFT4 9 | 0.70 (CI 0.36-0.91; PI 0.04-0.99; I2 0%) | 0.28 (CI 0.20-0.38; PI 0.19-0.39; I2 0%) | 0.43 |
| ULTSH 4.3|LLFT4 9 | 0.70 (CI 0.35-0.91; PI 0.03-0.99; I2 0%) | 0.28 (CI 0.20-0.39; PI 0.19-0.40; I2 0%) | 0.44 |
| ULTSH 4.4|LLFT4 9 | 0.61 (CI 0.33-0.83; PI 0.05-0.98; I2 0%) | 0.28 (CI 0.19-0.39; PI 0.18-0.41; I2 0%) | 0.43 |
| ULTSH 4.5|LLFT4 9 | 0.61 (CI 0.33-0.83; PI 0.05-0.98; I2 0%) | 0.30 (CI 0.20-0.41; PI 0.19-0.43; I2 0%) | 0.44 |
| ULTSH 3.0|LLFT4 10 | 0.84 (CI 0.49-0.97; PI 0.06-1.00; I2 0%) | 0.18 (CI 0.06-0.41; PI 0.00-0.90; I2 73%) | 0.38 |
| ULTSH 3.1|LLFT4 10 | 0.84 (CI 0.49-0.97; PI 0.06-1.00; I2 0%) | 0.19 (CI 0.07-0.41; PI 0.01-0.90; I2 71%) | 0.39 |
| ULTSH 3.2|LLFT4 10 | 0.84 (CI 0.49-0.97; PI 0.06-1.00; I2 0%) | 0.20 (CI 0.07-0.44; PI 0.01-0.91; I2 69%) | 0.41 |
| ULTSH 3.3|LLFT4 10 | 0.84 (CI 0.49-0.97; PI 0.06-1.00; I2 0%) | 0.22 (CI 0.08-0.47; PI 0.01-0.92; I2 66%) | 0.42 |
| ULTSH 3.4|LLFT4 10 | 0.84 (CI 0.49-0.97; PI 0.06-1.00; I2 0%) | 0.22 (CI 0.08-0.48; PI 0.01-0.92; I2 65%) | 0.43 |
| ULTSH 3.5|LLFT4 10 | 0.85 (CI 0.47-0.97; PI 0.04-1.00; I2 0%) | 0.22 (CI 0.09-0.46; PI 0.01-0.90; I2 59%) | 0.43 |
| ULTSH 3.6|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.23 (CI 0.09-0.46; PI 0.01-0.89; I2 57%) | 0.43 |
| ULTSH 3.7|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.24 (CI 0.10-0.47; PI 0.01-0.89; I2 53%) | 0.44 |
| ULTSH 3.8|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.25 (CI 0.11-0.48; PI 0.02-0.88; I2 49%) | 0.45 |
| ULTSH 3.9|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.26 (CI 0.12-0.49; PI 0.02-0.87; I2 48%) | 0.46 |
| ULTSH 4.0|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.27 (CI 0.13-0.49; PI 0.02-0.87; I2 46%) | 0.47 |
| ULTSH 4.1|LLFT4 10 | 0.79 (CI 0.48-0.93; PI 0.08-0.99; I2 0%) | 0.29 (CI 0.14-0.50; PI 0.03-0.86; I2 40%) | 0.48 |
| ULTSH 4.2|LLFT4 10 | 0.73 (CI 0.46-0.90; PI 0.12-0.98; I2 0%) | 0.29 (CI 0.15-0.50; PI 0.03-0.85; I2 37%) | 0.48 |
| ULTSH 4.3|LLFT4 10 | 0.72 (CI 0.45-0.89; PI 0.12-0.98; I2 0%) | 0.30 (CI 0.16-0.50; PI 0.04-0.82; I2 30%) | 0.48 |
| ULTSH 4.4|LLFT4 10 | 0.65 (CI 0.43-0.82; PI 0.15-0.95; I2 0%) | 0.29 (CI 0.14-0.50; PI 0.03-0.84; I2 26%) | 0.46 |
| ULTSH 4.5|LLFT4 10 | 0.65 (CI 0.43-0.82; PI 0.15-0.95; I2 0%) | 0.30 (CI 0.15-0.50; PI 0.04-0.82; I2 21%) | 0.47 |
| ULTSH 3.0|LLFT4 11 | 0.95 (CI 0.77-0.99; PI 0.37-1.00; I2 0%) | 0.16 (CI 0.05-0.41; PI 0.00-0.95; I2 84%) | 0.43 |
| ULTSH 3.1|LLFT4 11 | 0.95 (CI 0.77-0.99; PI 0.37-1.00; I2 0%) | 0.17 (CI 0.06-0.42; PI 0.00-0.95; I2 83%) | 0.45 |
| ULTSH 3.2|LLFT4 11 | 0.95 (CI 0.77-0.99; PI 0.37-1.00; I2 0%) | 0.19 (CI 0.06-0.44; PI 0.00-0.95; I2 82%) | 0.47 |
| ULTSH 3.3|LLFT4 11 | 0.95 (CI 0.77-0.99; PI 0.37-1.00; I2 0%) | 0.21 (CI 0.07-0.47; PI 0.00-0.95; I2 81%) | 0.51 |
| ULTSH 3.4|LLFT4 11 | 0.95 (CI 0.77-0.99; PI 0.37-1.00; I2 0%) | 0.22 (CI 0.07-0.51; PI 0.00-0.96; I2 81%) | 0.54 |
| ULTSH 3.5|LLFT4 11 | 0.94 (CI 0.74-0.99; PI 0.32-1.00; I2 0%) | 0.23 (CI 0.08-0.50; PI 0.00-0.96; I2 79%) | 0.53 |
| ULTSH 3.6|LLFT4 11 | 0.91 (CI 0.74-0.97; PI 0.48-0.99; I2 0%) | 0.24 (CI 0.09-0.51; PI 0.00-0.95; I2 78%) | 0.53 |
| ULTSH 3.7|LLFT4 11 | 0.89 (CI 0.72-0.96; PI 0.46-0.99; I2 0%) | 0.25 (CI 0.10-0.51; PI 0.01-0.94; I2 76%) | 0.53 |
| ULTSH 3.8|LLFT4 11 | 0.86 (CI 0.72-0.93; PI 0.66-0.95; I2 0%) | 0.27 (CI 0.10-0.53; PI 0.01-0.95; I2 73%) | 0.54 |
| ULTSH 3.9|LLFT4 11 | 0.86 (CI 0.72-0.93; PI 0.66-0.95; I2 0%) | 0.28 (CI 0.11-0.54; PI 0.01-0.95; I2 72%) | 0.56 |
| ULTSH 4.0|LLFT4 11 | 0.84 (CI 0.73-0.91; PI 0.72-0.91; I2 0%) | 0.28 (CI 0.12-0.54; PI 0.01-0.94; I2 70%) | 0.56 |
| ULTSH 4.1|LLFT4 11 | 0.84 (CI 0.73-0.91; PI 0.72-0.91; I2 0%) | 0.29 (CI 0.12-0.54; PI 0.01-0.94; I2 68%) | 0.56 |
| ULTSH 4.2|LLFT4 11 | 0.81 (CI 0.70-0.89; PI 0.68-0.89; I2 0%) | 0.30 (CI 0.13-0.55; PI 0.01-0.93; I2 67%) | 0.57 |
| ULTSH 4.3|LLFT4 11 | 0.78 (CI 0.67-0.86; PI 0.65-0.87; I2 0%) | 0.32 (CI 0.15-0.55; PI 0.02-0.92; I2 62%) | 0.58 |
| ULTSH 4.4|LLFT4 11 | 0.75 (CI 0.63-0.84; PI 0.62-0.85; I2 0%) | 0.30 (CI 0.13-0.55; PI 0.01-0.93; I2 61%) | 0.57 |
| ULTSH 4.5|LLFT4 11 | 0.75 (CI 0.63-0.84; PI 0.62-0.85; I2 0%) | 0.32 (CI 0.14-0.56; PI 0.02-0.93; I2 59%) | 0.58 |
| ULTSH 3.0|LLFT4 12 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.11 (CI 0.03-0.30; PI 0.00-0.92; I2 82%) | 0.32 |
| ULTSH 3.1|LLFT4 12 | 0.98 (CI 0.68-1.00; PI 0.22-1.00; I2 0%) | 0.11 (CI 0.04-0.30; PI 0.00-0.90; I2 80%) | 0.31 |
| ULTSH 3.2|LLFT4 12 | 0.98 (CI 0.68-1.00; PI 0.22-1.00; I2 0%) | 0.12 (CI 0.04-0.31; PI 0.00-0.90; I2 79%) | 0.33 |
| ULTSH 3.3|LLFT4 12 | 0.98 (CI 0.68-1.00; PI 0.22-1.00; I2 0%) | 0.14 (CI 0.05-0.34; PI 0.00-0.90; I2 79%) | 0.36 |
| ULTSH 3.4|LLFT4 12 | 0.98 (CI 0.68-1.00; PI 0.22-1.00; I2 0%) | 0.15 (CI 0.05-0.35; PI 0.00-0.91; I2 79%) | 0.37 |
| ULTSH 3.5|LLFT4 12 | 0.96 (CI 0.78-0.99; PI 0.53-1.00; I2 0%) | 0.16 (CI 0.06-0.36; PI 0.00-0.90; I2 77%) | 0.39 |
| ULTSH 3.6|LLFT4 12 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.16 (CI 0.06-0.36; PI 0.00-0.89; I2 75%) | 0.40 |
| ULTSH 3.7|LLFT4 12 | 0.92 (CI 0.77-0.98; PI 0.66-0.99; I2 0%) | 0.18 (CI 0.07-0.38; PI 0.01-0.89; I2 74%) | 0.40 |
| ULTSH 3.8|LLFT4 12 | 0.90 (CI 0.80-0.95; PI 0.78-0.95; I2 0%) | 0.19 (CI 0.08-0.39; PI 0.01-0.88; I2 73%) | 0.42 |
| ULTSH 3.9|LLFT4 12 | 0.90 (CI 0.80-0.95; PI 0.78-0.95; I2 0%) | 0.20 (CI 0.09-0.40; PI 0.01-0.88; I2 71%) | 0.44 |
| ULTSH 4.0|LLFT4 12 | 0.88 (CI 0.78-0.94; PI 0.77-0.94; I2 0%) | 0.21 (CI 0.09-0.40; PI 0.01-0.87; I2 69%) | 0.44 |
| ULTSH 4.1|LLFT4 12 | 0.88 (CI 0.78-0.94; PI 0.77-0.94; I2 0%) | 0.22 (CI 0.10-0.41; PI 0.01-0.86; I2 67%) | 0.46 |
| ULTSH 4.2|LLFT4 12 | 0.85 (CI 0.75-0.92; PI 0.73-0.92; I2 0%) | 0.23 (CI 0.11-0.41; PI 0.02-0.85; I2 66%) | 0.47 |
| ULTSH 4.3|LLFT4 12 | 0.82 (CI 0.71-0.90; PI 0.70-0.90; I2 0%) | 0.24 (CI 0.12-0.42; PI 0.02-0.82; I2 61%) | 0.47 |
| ULTSH 4.4|LLFT4 12 | 0.79 (CI 0.68-0.87; PI 0.67-0.88; I2 0%) | 0.24 (CI 0.11-0.44; PI 0.02-0.86; I2 59%) | 0.48 |
| ULTSH 4.5|LLFT4 12 | 0.79 (CI 0.68-0.87; PI 0.67-0.88; I2 0%) | 0.25 (CI 0.12-0.47; PI 0.02-0.88; I2 57%) | 0.50 |
| ULTSH 3.0|LLFT4 13 | 1.00 (CI 0.00-NaN; PI 0.00-NaN; I2 0%) | 0.07 (CI 0.03-0.17; PI 0.00-0.71; I2 79%) | 0.19 |
| ULTSH 3.1|LLFT4 13 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.08 (CI 0.03-0.18; PI 0.00-0.69; I2 77%) | 0.20 |
| ULTSH 3.2|LLFT4 13 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.08 (CI 0.04-0.19; PI 0.00-0.70; I2 76%) | 0.22 |
| ULTSH 3.3|LLFT4 13 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.09 (CI 0.04-0.20; PI 0.00-0.69; I2 74%) | 0.23 |
| ULTSH 3.4|LLFT4 13 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.10 (CI 0.04-0.22; PI 0.00-0.72; I2 74%) | 0.26 |
| ULTSH 3.5|LLFT4 13 | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.11 (CI 0.05-0.22; PI 0.01-0.71; I2 72%) | 0.27 |
| ULTSH 3.6|LLFT4 13 | 0.96 (CI 0.87-0.99; PI 0.86-0.99; I2 0%) | 0.12 (CI 0.05-0.23; PI 0.01-0.70; I2 71%) | 0.28 |
| ULTSH 3.7|LLFT4 13 | 0.94 (CI 0.85-0.98; PI 0.84-0.98; I2 0%) | 0.13 (CI 0.06-0.25; PI 0.01-0.70; I2 69%) | 0.30 |
| ULTSH 3.8|LLFT4 13 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.14 (CI 0.07-0.26; PI 0.01-0.70; I2 68%) | 0.31 |
| ULTSH 3.9|LLFT4 13 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.15 (CI 0.08-0.27; PI 0.01-0.68; I2 65%) | 0.34 |
| ULTSH 4.0|LLFT4 13 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.16 (CI 0.08-0.29; PI 0.02-0.70; I2 65%) | 0.36 |
| ULTSH 4.1|LLFT4 13 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.17 (CI 0.09-0.30; PI 0.02-0.69; I2 62%) | 0.37 |
| ULTSH 4.2|LLFT4 13 | 0.88 (CI 0.78-0.94; PI 0.77-0.94; I2 0%) | 0.18 (CI 0.10-0.31; PI 0.02-0.68; I2 60%) | 0.38 |
| ULTSH 4.3|LLFT4 13 | 0.85 (CI 0.69-0.94; PI 0.66-0.95; I2 0%) | 0.19 (CI 0.10-0.31; PI 0.03-0.66; I2 56%) | 0.39 |
| ULTSH 4.4|LLFT4 13 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.19 (CI 0.10-0.33; PI 0.02-0.70; I2 53%) | 0.41 |
| ULTSH 4.5|LLFT4 13 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.20 (CI 0.11-0.34; PI 0.03-0.71; I2 51%) | 0.42 |
| ULTSH 3.0|LLFT4 14 | 1.00 (CI 0.00-NaN; PI 0.00-NaN; I2 0%) | 0.06 (CI 0.03-0.12; PI 0.00-0.49; I2 72%) | 0.14 |
| ULTSH 3.1|LLFT4 14 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.06 (CI 0.03-0.12; PI 0.00-0.48; I2 69%) | 0.15 |
| ULTSH 3.2|LLFT4 14 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.07 (CI 0.03-0.14; PI 0.01-0.49; I2 68%) | 0.16 |
| ULTSH 3.3|LLFT4 14 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.08 (CI 0.04-0.15; PI 0.01-0.50; I2 66%) | 0.18 |
| ULTSH 3.4|LLFT4 14 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.08 (CI 0.04-0.16; PI 0.01-0.52; I2 66%) | 0.20 |
| ULTSH 3.5|LLFT4 14 | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.09 (CI 0.04-0.16; PI 0.01-0.50; I2 63%) | 0.20 |
| ULTSH 3.6|LLFT4 14 | 0.96 (CI 0.87-0.99; PI 0.86-0.99; I2 0%) | 0.10 (CI 0.05-0.17; PI 0.01-0.51; I2 61%) | 0.22 |
| ULTSH 3.7|LLFT4 14 | 0.94 (CI 0.85-0.98; PI 0.84-0.98; I2 0%) | 0.10 (CI 0.06-0.18; PI 0.01-0.49; I2 57%) | 0.23 |
| ULTSH 3.8|LLFT4 14 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.11 (CI 0.06-0.20; PI 0.01-0.53; I2 59%) | 0.25 |
| ULTSH 3.9|LLFT4 14 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.12 (CI 0.07-0.21; PI 0.02-0.52; I2 57%) | 0.27 |
| ULTSH 4.0|LLFT4 14 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.13 (CI 0.07-0.23; PI 0.02-0.55; I2 57%) | 0.29 |
| ULTSH 4.1|LLFT4 14 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.14 (CI 0.08-0.24; PI 0.02-0.56; I2 53%) | 0.31 |
| ULTSH 4.2|LLFT4 14 | 0.88 (CI 0.78-0.94; PI 0.77-0.94; I2 0%) | 0.15 (CI 0.09-0.25; PI 0.03-0.56; I2 52%) | 0.32 |
| ULTSH 4.3|LLFT4 14 | 0.85 (CI 0.69-0.94; PI 0.66-0.95; I2 0%) | 0.16 (CI 0.10-0.25; PI 0.03-0.52; I2 44%) | 0.33 |
| ULTSH 4.4|LLFT4 14 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.17 (CI 0.10-0.27; PI 0.03-0.56; I2 42%) | 0.35 |
| ULTSH 4.5|LLFT4 14 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.18 (CI 0.10-0.28; PI 0.03-0.57; I2 39%) | 0.36 |
| ULTSH 3.0|LLFT4 15 | 1.00 (CI 0.00-NaN; PI 0.00-NaN; I2 0%) | 0.05 (CI 0.02-0.09; PI 0.00-0.35; I2 65%) | 0.11 |
| ULTSH 3.1|LLFT4 15 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.05 (CI 0.03-0.10; PI 0.01-0.35; I2 63%) | 0.12 |
| ULTSH 3.2|LLFT4 15 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.06 (CI 0.03-0.11; PI 0.01-0.37; I2 62%) | 0.14 |
| ULTSH 3.3|LLFT4 15 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.06 (CI 0.03-0.12; PI 0.01-0.37; I2 59%) | 0.15 |
| ULTSH 3.4|LLFT4 15 | 0.99 (CI 0.90-1.00; PI 0.88-1.00; I2 0%) | 0.07 (CI 0.04-0.13; PI 0.01-0.40; I2 59%) | 0.16 |
| ULTSH 3.5|LLFT4 15 | 0.97 (CI 0.89-0.99; PI 0.87-0.99; I2 0%) | 0.08 (CI 0.04-0.13; PI 0.01-0.38; I2 55%) | 0.17 |
| ULTSH 3.6|LLFT4 15 | 0.96 (CI 0.87-0.99; PI 0.86-0.99; I2 0%) | 0.08 (CI 0.05-0.14; PI 0.01-0.38; I2 51%) | 0.19 |
| ULTSH 3.7|LLFT4 15 | 0.94 (CI 0.85-0.98; PI 0.84-0.98; I2 0%) | 0.09 (CI 0.05-0.15; PI 0.02-0.36; I2 46%) | 0.20 |
| ULTSH 3.8|LLFT4 15 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.10 (CI 0.06-0.16; PI 0.02-0.39; I2 46%) | 0.22 |
| ULTSH 3.9|LLFT4 15 | 0.93 (CI 0.84-0.97; PI 0.82-0.97; I2 0%) | 0.11 (CI 0.07-0.18; PI 0.02-0.39; I2 45%) | 0.24 |
| ULTSH 4.0|LLFT4 15 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.12 (CI 0.07-0.19; PI 0.02-0.42; I2 46%) | 0.25 |
| ULTSH 4.1|LLFT4 15 | 0.91 (CI 0.82-0.96; PI 0.80-0.96; I2 0%) | 0.13 (CI 0.08-0.20; PI 0.03-0.44; I2 43%) | 0.27 |
| ULTSH 4.2|LLFT4 15 | 0.88 (CI 0.78-0.94; PI 0.77-0.94; I2 0%) | 0.13 (CI 0.08-0.21; PI 0.03-0.42; I2 38%) | 0.28 |
| ULTSH 4.3|LLFT4 15 | 0.85 (CI 0.69-0.94; PI 0.66-0.95; I2 0%) | 0.14 (CI 0.09-0.21; PI 0.04-0.41; I2 30%) | 0.29 |
| ULTSH 4.4|LLFT4 15 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.15 (CI 0.09-0.23; PI 0.04-0.43; I2 27%) | 0.30 |
| ULTSH 4.5|LLFT4 15 | 0.83 (CI 0.67-0.92; PI 0.59-0.95; I2 0%) | 0.16 (CI 0.10-0.24; PI 0.04-0.44; I2 23%) | 0.32 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 18 – Diagnostic performance for subclinical hypothyroidism with fixed limits in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 1.00 (CI 0.92-1.00; PI 0.08-1.00; I2 0%) | 0.45 (CI 0.30-0.61; PI 0.06-0.92; I2 93%) | 0.61 |
| ULTSH 3.1|LLFT4 5 | 1.00 (CI 0.92-1.00; PI 0.06-1.00; I2 0%) | 0.50 (CI 0.33-0.67; PI 0.06-0.94; I2 93%) | 0.66 |
| ULTSH 3.2|LLFT4 5 | 0.99 (CI 0.99-0.99; PI 0.17-1.00; I2 34%) | 0.56 (CI 0.38-0.73; PI 0.06-0.96; I2 93%) | 0.70 |
| ULTSH 3.3|LLFT4 5 | 1.00 (CI 1.00-1.00; PI 0.09-1.00; I2 32%) | 0.62 (CI 0.42-0.79; PI 0.06-0.98; I2 93%) | 0.74 |
| ULTSH 3.4|LLFT4 5 | 0.98 (CI 0.85-1.00; PI 0.06-1.00; I2 70%) | 0.64 (CI 0.43-0.80; PI 0.06-0.98; I2 92%) | 0.73 |
| ULTSH 3.5|LLFT4 5 | 0.96 (CI 0.81-0.99; PI 0.07-1.00; I2 71%) | 0.67 (CI 0.46-0.83; PI 0.06-0.98; I2 92%) | 0.74 |
| ULTSH 3.6|LLFT4 5 | 0.92 (CI 0.73-0.98; PI 0.07-1.00; I2 69%) | 0.69 (CI 0.49-0.84; PI 0.08-0.98; I2 91%) | 0.71 |
| ULTSH 3.7|LLFT4 5 | 0.87 (CI 0.68-0.96; PI 0.09-1.00; I2 75%) | 0.71 (CI 0.52-0.84; PI 0.10-0.98; I2 89%) | 0.70 |
| ULTSH 3.8|LLFT4 5 | 0.83 (CI 0.60-0.94; PI 0.06-1.00; I2 70%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 87%) | 0.68 |
| ULTSH 3.9|LLFT4 5 | 0.81 (CI 0.55-0.94; PI 0.04-1.00; I2 71%) | 0.73 (CI 0.58-0.84; PI 0.19-0.97; I2 83%) | 0.67 |
| ULTSH 4.0|LLFT4 5 | 0.79 (CI 0.49-0.93; PI 0.02-1.00; I2 73%) | 0.73 (CI 0.59-0.83; PI 0.21-0.96; I2 82%) | 0.65 |
| ULTSH 4.1|LLFT4 5 | 0.78 (CI 0.47-0.93; PI 0.02-1.00; I2 69%) | 0.75 (CI 0.61-0.85; PI 0.22-0.97; I2 83%) | 0.65 |
| ULTSH 4.2|LLFT4 5 | 0.73 (CI 0.43-0.90; PI 0.02-1.00; I2 81%) | 0.77 (CI 0.63-0.86; PI 0.25-0.97; I2 81%) | 0.65 |
| ULTSH 4.3|LLFT4 5 | 0.61 (CI 0.39-0.79; PI 0.04-0.98; I2 88%) | 0.76 (CI 0.63-0.86; PI 0.25-0.97; I2 79%) | 0.60 |
| ULTSH 4.4|LLFT4 5 | 0.55 (CI 0.33-0.75; PI 0.03-0.98; I2 87%) | 0.76 (CI 0.63-0.85; PI 0.29-0.96; I2 75%) | 0.57 |
| ULTSH 4.5|LLFT4 5 | 0.52 (CI 0.30-0.73; PI 0.03-0.97; I2 86%) | 0.75 (CI 0.63-0.84; PI 0.31-0.95; I2 71%) | 0.54 |
| ULTSH 3.0|LLFT4 6 | 1.00 (CI 0.92-1.00; PI 0.08-1.00; I2 0%) | 0.45 (CI 0.30-0.61; PI 0.06-0.92; I2 93%) | 0.61 |
| ULTSH 3.1|LLFT4 6 | 1.00 (CI 0.92-1.00; PI 0.06-1.00; I2 0%) | 0.51 (CI 0.34-0.68; PI 0.06-0.95; I2 93%) | 0.66 |
| ULTSH 3.2|LLFT4 6 | 0.99 (CI 0.99-0.99; PI 0.17-1.00; I2 34%) | 0.56 (CI 0.38-0.73; PI 0.06-0.96; I2 93%) | 0.70 |
| ULTSH 3.3|LLFT4 6 | 1.00 (CI 1.00-1.00; PI 0.09-1.00; I2 32%) | 0.62 (CI 0.42-0.79; PI 0.06-0.98; I2 93%) | 0.74 |
| ULTSH 3.4|LLFT4 6 | 0.98 (CI 0.85-1.00; PI 0.06-1.00; I2 70%) | 0.64 (CI 0.43-0.80; PI 0.06-0.98; I2 92%) | 0.73 |
| ULTSH 3.5|LLFT4 6 | 0.96 (CI 0.81-0.99; PI 0.07-1.00; I2 71%) | 0.67 (CI 0.46-0.83; PI 0.06-0.98; I2 92%) | 0.74 |
| ULTSH 3.6|LLFT4 6 | 0.92 (CI 0.73-0.98; PI 0.07-1.00; I2 69%) | 0.69 (CI 0.49-0.84; PI 0.08-0.98; I2 91%) | 0.71 |
| ULTSH 3.7|LLFT4 6 | 0.87 (CI 0.68-0.96; PI 0.09-1.00; I2 75%) | 0.71 (CI 0.53-0.84; PI 0.10-0.98; I2 89%) | 0.70 |
| ULTSH 3.8|LLFT4 6 | 0.83 (CI 0.60-0.94; PI 0.06-1.00; I2 70%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 87%) | 0.68 |
| ULTSH 3.9|LLFT4 6 | 0.81 (CI 0.55-0.94; PI 0.04-1.00; I2 71%) | 0.73 (CI 0.58-0.84; PI 0.19-0.97; I2 83%) | 0.67 |
| ULTSH 4.0|LLFT4 6 | 0.79 (CI 0.49-0.93; PI 0.02-1.00; I2 73%) | 0.73 (CI 0.59-0.84; PI 0.21-0.96; I2 82%) | 0.65 |
| ULTSH 4.1|LLFT4 6 | 0.78 (CI 0.47-0.93; PI 0.02-1.00; I2 69%) | 0.75 (CI 0.61-0.85; PI 0.22-0.97; I2 83%) | 0.65 |
| ULTSH 4.2|LLFT4 6 | 0.73 (CI 0.43-0.90; PI 0.02-1.00; I2 81%) | 0.77 (CI 0.63-0.86; PI 0.25-0.97; I2 81%) | 0.65 |
| ULTSH 4.3|LLFT4 6 | 0.61 (CI 0.39-0.79; PI 0.04-0.98; I2 88%) | 0.76 (CI 0.63-0.86; PI 0.25-0.97; I2 79%) | 0.60 |
| ULTSH 4.4|LLFT4 6 | 0.55 (CI 0.33-0.75; PI 0.03-0.98; I2 87%) | 0.76 (CI 0.63-0.85; PI 0.29-0.96; I2 75%) | 0.57 |
| ULTSH 4.5|LLFT4 6 | 0.52 (CI 0.30-0.73; PI 0.03-0.97; I2 86%) | 0.75 (CI 0.63-0.84; PI 0.31-0.95; I2 71%) | 0.54 |
| ULTSH 3.0|LLFT4 7 | 0.99 (CI 0.92-1.00; PI 0.12-1.00; I2 1%) | 0.46 (CI 0.30-0.62; PI 0.05-0.93; I2 93%) | 0.62 |
| ULTSH 3.1|LLFT4 7 | 0.99 (CI 0.99-1.00; PI 0.20-1.00; I2 27%) | 0.52 (CI 0.34-0.69; PI 0.05-0.96; I2 93%) | 0.67 |
| ULTSH 3.2|LLFT4 7 | 0.99 (CI 0.90-1.00; PI 0.14-1.00; I2 50%) | 0.59 (CI 0.38-0.78; PI 0.04-0.98; I2 93%) | 0.71 |
| ULTSH 3.3|LLFT4 7 | 0.99 (CI 0.88-1.00; PI 0.07-1.00; I2 52%) | 0.65 (CI 0.42-0.83; PI 0.04-0.99; I2 93%) | 0.75 |
| ULTSH 3.4|LLFT4 7 | 0.96 (CI 0.83-0.99; PI 0.11-1.00; I2 74%) | 0.67 (CI 0.43-0.84; PI 0.04-0.99; I2 92%) | 0.73 |
| ULTSH 3.5|LLFT4 7 | 0.93 (CI 0.79-0.98; PI 0.13-1.00; I2 76%) | 0.70 (CI 0.47-0.86; PI 0.05-0.99; I2 92%) | 0.74 |
| ULTSH 3.6|LLFT4 7 | 0.88 (CI 0.73-0.96; PI 0.14-1.00; I2 75%) | 0.72 (CI 0.50-0.87; PI 0.06-0.99; I2 91%) | 0.71 |
| ULTSH 3.7|LLFT4 7 | 0.86 (CI 0.67-0.95; PI 0.10-1.00; I2 73%) | 0.74 (CI 0.53-0.87; PI 0.08-0.99; I2 89%) | 0.70 |
| ULTSH 3.8|LLFT4 7 | 0.82 (CI 0.59-0.94; PI 0.06-1.00; I2 65%) | 0.74 (CI 0.55-0.87; PI 0.10-0.99; I2 87%) | 0.67 |
| ULTSH 3.9|LLFT4 7 | 0.80 (CI 0.54-0.94; PI 0.04-1.00; I2 67%) | 0.75 (CI 0.59-0.86; PI 0.16-0.98; I2 84%) | 0.67 |
| ULTSH 4.0|LLFT4 7 | 0.78 (CI 0.49-0.93; PI 0.02-1.00; I2 70%) | 0.75 (CI 0.60-0.86; PI 0.17-0.98; I2 83%) | 0.65 |
| ULTSH 4.1|LLFT4 7 | 0.77 (CI 0.46-0.93; PI 0.02-1.00; I2 66%) | 0.77 (CI 0.62-0.88; PI 0.19-0.98; I2 84%) | 0.65 |
| ULTSH 4.2|LLFT4 7 | 0.73 (CI 0.43-0.90; PI 0.02-1.00; I2 80%) | 0.79 (CI 0.64-0.88; PI 0.21-0.98; I2 82%) | 0.65 |
| ULTSH 4.3|LLFT4 7 | 0.60 (CI 0.38-0.79; PI 0.04-0.98; I2 88%) | 0.78 (CI 0.64-0.88; PI 0.22-0.98; I2 81%) | 0.60 |
| ULTSH 4.4|LLFT4 7 | 0.54 (CI 0.32-0.75; PI 0.03-0.98; I2 87%) | 0.78 (CI 0.64-0.87; PI 0.26-0.97; I2 76%) | 0.56 |
| ULTSH 4.5|LLFT4 7 | 0.51 (CI 0.29-0.73; PI 0.03-0.98; I2 87%) | 0.77 (CI 0.64-0.86; PI 0.27-0.97; I2 73%) | 0.54 |
| ULTSH 3.0|LLFT4 8 | 0.99 (CI 0.87-1.00; PI 0.07-1.00; I2 0%) | 0.46 (CI 0.30-0.62; PI 0.05-0.93; I2 93%) | 0.60 |
| ULTSH 3.1|LLFT4 8 | 0.99 (CI 0.87-1.00; PI 0.06-1.00; I2 0%) | 0.52 (CI 0.34-0.69; PI 0.05-0.96; I2 93%) | 0.64 |
| ULTSH 3.2|LLFT4 8 | 0.99 (CI 0.86-1.00; PI 0.05-1.00; I2 0%) | 0.59 (CI 0.38-0.77; PI 0.04-0.98; I2 93%) | 0.68 |
| ULTSH 3.3|LLFT4 8 | 0.99 (CI 0.84-1.00; PI 0.03-1.00; I2 11%) | 0.65 (CI 0.42-0.82; PI 0.05-0.99; I2 93%) | 0.72 |
| ULTSH 3.4|LLFT4 8 | 0.95 (CI 0.78-0.99; PI 0.05-1.00; I2 77%) | 0.66 (CI 0.43-0.84; PI 0.04-0.99; I2 92%) | 0.71 |
| ULTSH 3.5|LLFT4 8 | 0.92 (CI 0.74-0.98; PI 0.07-1.00; I2 80%) | 0.70 (CI 0.47-0.86; PI 0.05-0.99; I2 91%) | 0.71 |
| ULTSH 3.6|LLFT4 8 | 0.86 (CI 0.67-0.95; PI 0.09-1.00; I2 79%) | 0.71 (CI 0.50-0.86; PI 0.06-0.99; I2 90%) | 0.68 |
| ULTSH 3.7|LLFT4 8 | 0.84 (CI 0.61-0.94; PI 0.06-1.00; I2 76%) | 0.73 (CI 0.53-0.86; PI 0.09-0.99; I2 88%) | 0.67 |
| ULTSH 3.8|LLFT4 8 | 0.81 (CI 0.55-0.94; PI 0.04-1.00; I2 69%) | 0.73 (CI 0.55-0.86; PI 0.11-0.98; I2 87%) | 0.65 |
| ULTSH 3.9|LLFT4 8 | 0.79 (CI 0.50-0.93; PI 0.03-1.00; I2 70%) | 0.75 (CI 0.59-0.86; PI 0.17-0.98; I2 83%) | 0.65 |
| ULTSH 4.0|LLFT4 8 | 0.77 (CI 0.45-0.93; PI 0.02-1.00; I2 71%) | 0.75 (CI 0.60-0.86; PI 0.19-0.98; I2 83%) | 0.63 |
| ULTSH 4.1|LLFT4 8 | 0.76 (CI 0.43-0.93; PI 0.01-1.00; I2 71%) | 0.78 (CI 0.63-0.88; PI 0.19-0.98; I2 85%) | 0.64 |
| ULTSH 4.2|LLFT4 8 | 0.71 (CI 0.40-0.90; PI 0.02-1.00; I2 82%) | 0.80 (CI 0.64-0.89; PI 0.19-0.99; I2 81%) | 0.64 |
| ULTSH 4.3|LLFT4 8 | 0.59 (CI 0.35-0.79; PI 0.03-0.98; I2 89%) | 0.79 (CI 0.64-0.89; PI 0.20-0.98; I2 80%) | 0.59 |
| ULTSH 4.4|LLFT4 8 | 0.52 (CI 0.30-0.74; PI 0.03-0.98; I2 89%) | 0.78 (CI 0.64-0.88; PI 0.22-0.98; I2 76%) | 0.55 |
| ULTSH 4.5|LLFT4 8 | 0.50 (CI 0.27-0.72; PI 0.02-0.98; I2 88%) | 0.77 (CI 0.63-0.87; PI 0.24-0.97; I2 73%) | 0.52 |
| ULTSH 3.0|LLFT4 9 | 0.97 (CI 0.79-1.00; PI 0.03-1.00; I2 85%) | 0.46 (CI 0.30-0.63; PI 0.05-0.93; I2 92%) | 0.56 |
| ULTSH 3.1|LLFT4 9 | 0.97 (CI 0.78-1.00; PI 0.03-1.00; I2 85%) | 0.52 (CI 0.34-0.70; PI 0.05-0.96; I2 92%) | 0.60 |
| ULTSH 3.2|LLFT4 9 | 0.97 (CI 0.78-1.00; PI 0.02-1.00; I2 85%) | 0.58 (CI 0.38-0.75; PI 0.05-0.97; I2 92%) | 0.64 |
| ULTSH 3.3|LLFT4 9 | 0.97 (CI 0.76-1.00; PI 0.02-1.00; I2 86%) | 0.64 (CI 0.43-0.81; PI 0.05-0.98; I2 92%) | 0.69 |
| ULTSH 3.4|LLFT4 9 | 0.91 (CI 0.68-0.98; PI 0.03-1.00; I2 91%) | 0.66 (CI 0.44-0.83; PI 0.05-0.98; I2 91%) | 0.66 |
| ULTSH 3.5|LLFT4 9 | 0.86 (CI 0.63-0.96; PI 0.05-1.00; I2 91%) | 0.69 (CI 0.47-0.84; PI 0.06-0.99; I2 91%) | 0.67 |
| ULTSH 3.6|LLFT4 9 | 0.79 (CI 0.57-0.91; PI 0.07-0.99; I2 91%) | 0.70 (CI 0.49-0.85; PI 0.08-0.98; I2 90%) | 0.63 |
| ULTSH 3.7|LLFT4 9 | 0.75 (CI 0.52-0.89; PI 0.06-0.99; I2 90%) | 0.71 (CI 0.52-0.84; PI 0.11-0.98; I2 87%) | 0.62 |
| ULTSH 3.8|LLFT4 9 | 0.71 (CI 0.47-0.87; PI 0.05-0.99; I2 89%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 85%) | 0.60 |
| ULTSH 3.9|LLFT4 9 | 0.68 (CI 0.43-0.86; PI 0.03-0.99; I2 89%) | 0.73 (CI 0.59-0.84; PI 0.20-0.97; I2 82%) | 0.60 |
| ULTSH 4.0|LLFT4 9 | 0.66 (CI 0.38-0.86; PI 0.02-0.99; I2 90%) | 0.74 (CI 0.59-0.84; PI 0.22-0.97; I2 81%) | 0.58 |
| ULTSH 4.1|LLFT4 9 | 0.65 (CI 0.37-0.85; PI 0.02-0.99; I2 90%) | 0.77 (CI 0.62-0.87; PI 0.21-0.98; I2 83%) | 0.59 |
| ULTSH 4.2|LLFT4 9 | 0.62 (CI 0.33-0.85; PI 0.01-0.99; I2 90%) | 0.79 (CI 0.63-0.89; PI 0.18-0.98; I2 78%) | 0.58 |
| ULTSH 4.3|LLFT4 9 | 0.53 (CI 0.28-0.76; PI 0.02-0.99; I2 90%) | 0.78 (CI 0.62-0.89; PI 0.18-0.98; I2 77%) | 0.54 |
| ULTSH 4.4|LLFT4 9 | 0.48 (CI 0.24-0.73; PI 0.01-0.98; I2 89%) | 0.77 (CI 0.61-0.88; PI 0.20-0.98; I2 72%) | 0.49 |
| ULTSH 4.5|LLFT4 9 | 0.46 (CI 0.22-0.71; PI 0.01-0.98; I2 88%) | 0.76 (CI 0.61-0.87; PI 0.21-0.97; I2 69%) | 0.48 |
| ULTSH 3.0|LLFT4 10 | 0.95 (CI 0.66-0.99; PI 0.01-1.00; I2 87%) | 0.45 (CI 0.28-0.62; PI 0.05-0.93; I2 91%) | 0.51 |
| ULTSH 3.1|LLFT4 10 | 0.95 (CI 0.65-0.99; PI 0.01-1.00; I2 87%) | 0.50 (CI 0.32-0.68; PI 0.05-0.95; I2 92%) | 0.55 |
| ULTSH 3.2|LLFT4 10 | 0.95 (CI 0.64-0.99; PI 0.00-1.00; I2 87%) | 0.54 (CI 0.35-0.73; PI 0.05-0.96; I2 92%) | 0.59 |
| ULTSH 3.3|LLFT4 10 | 0.94 (CI 0.61-0.99; PI 0.00-1.00; I2 87%) | 0.61 (CI 0.40-0.79; PI 0.05-0.98; I2 92%) | 0.65 |
| ULTSH 3.4|LLFT4 10 | 0.86 (CI 0.53-0.97; PI 0.01-1.00; I2 91%) | 0.64 (CI 0.41-0.82; PI 0.04-0.99; I2 91%) | 0.62 |
| ULTSH 3.5|LLFT4 10 | 0.80 (CI 0.50-0.94; PI 0.02-1.00; I2 91%) | 0.67 (CI 0.43-0.84; PI 0.04-0.99; I2 90%) | 0.63 |
| ULTSH 3.6|LLFT4 10 | 0.70 (CI 0.45-0.88; PI 0.03-0.99; I2 91%) | 0.68 (CI 0.46-0.84; PI 0.06-0.99; I2 89%) | 0.58 |
| ULTSH 3.7|LLFT4 10 | 0.66 (CI 0.41-0.85; PI 0.03-0.99; I2 90%) | 0.70 (CI 0.50-0.85; PI 0.09-0.98; I2 86%) | 0.56 |
| ULTSH 3.8|LLFT4 10 | 0.62 (CI 0.37-0.82; PI 0.03-0.99; I2 88%) | 0.71 (CI 0.52-0.85; PI 0.10-0.98; I2 85%) | 0.55 |
| ULTSH 3.9|LLFT4 10 | 0.59 (CI 0.34-0.80; PI 0.03-0.99; I2 88%) | 0.74 (CI 0.57-0.85; PI 0.17-0.97; I2 81%) | 0.54 |
| ULTSH 4.0|LLFT4 10 | 0.56 (CI 0.30-0.78; PI 0.02-0.99; I2 89%) | 0.74 (CI 0.58-0.86; PI 0.17-0.98; I2 81%) | 0.52 |
| ULTSH 4.1|LLFT4 10 | 0.54 (CI 0.29-0.78; PI 0.02-0.99; I2 89%) | 0.78 (CI 0.61-0.89; PI 0.17-0.98; I2 83%) | 0.53 |
| ULTSH 4.2|LLFT4 10 | 0.52 (CI 0.27-0.76; PI 0.01-0.99; I2 89%) | 0.80 (CI 0.63-0.90; PI 0.16-0.99; I2 79%) | 0.52 |
| ULTSH 4.3|LLFT4 10 | 0.46 (CI 0.22-0.71; PI 0.01-0.98; I2 87%) | 0.78 (CI 0.60-0.89; PI 0.15-0.99; I2 77%) | 0.47 |
| ULTSH 4.4|LLFT4 10 | 0.41 (CI 0.19-0.68; PI 0.01-0.98; I2 86%) | 0.77 (CI 0.59-0.88; PI 0.16-0.98; I2 73%) | 0.43 |
| ULTSH 4.5|LLFT4 10 | 0.39 (CI 0.18-0.66; PI 0.01-0.98; I2 85%) | 0.76 (CI 0.59-0.88; PI 0.18-0.98; I2 71%) | 0.42 |
| ULTSH 3.0|LLFT4 11 | 0.84 (CI 0.48-0.97; PI 0.01-1.00; I2 90%) | 0.43 (CI 0.25-0.63; PI 0.03-0.95; I2 91%) | 0.47 |
| ULTSH 3.1|LLFT4 11 | 0.83 (CI 0.48-0.96; PI 0.01-1.00; I2 90%) | 0.48 (CI 0.28-0.70; PI 0.03-0.97; I2 92%) | 0.50 |
| ULTSH 3.2|LLFT4 11 | 0.83 (CI 0.47-0.96; PI 0.01-1.00; I2 90%) | 0.54 (CI 0.31-0.75; PI 0.03-0.98; I2 92%) | 0.55 |
| ULTSH 3.3|LLFT4 11 | 0.82 (CI 0.45-0.96; PI 0.01-1.00; I2 90%) | 0.61 (CI 0.35-0.82; PI 0.02-0.99; I2 91%) | 0.60 |
| ULTSH 3.4|LLFT4 11 | 0.75 (CI 0.39-0.93; PI 0.01-1.00; I2 90%) | 0.64 (CI 0.34-0.86; PI 0.01-1.00; I2 89%) | 0.57 |
| ULTSH 3.5|LLFT4 11 | 0.69 (CI 0.37-0.89; PI 0.01-1.00; I2 91%) | 0.67 (CI 0.37-0.88; PI 0.02-1.00; I2 88%) | 0.57 |
| ULTSH 3.6|LLFT4 11 | 0.61 (CI 0.33-0.83; PI 0.02-0.99; I2 89%) | 0.69 (CI 0.40-0.88; PI 0.02-1.00; I2 87%) | 0.52 |
| ULTSH 3.7|LLFT4 11 | 0.57 (CI 0.30-0.80; PI 0.02-0.99; I2 88%) | 0.70 (CI 0.43-0.88; PI 0.03-0.99; I2 85%) | 0.50 |
| ULTSH 3.8|LLFT4 11 | 0.52 (CI 0.27-0.76; PI 0.02-0.99; I2 85%) | 0.71 (CI 0.45-0.87; PI 0.04-0.99; I2 84%) | 0.48 |
| ULTSH 3.9|LLFT4 11 | 0.49 (CI 0.25-0.74; PI 0.01-0.98; I2 85%) | 0.73 (CI 0.52-0.88; PI 0.08-0.99; I2 80%) | 0.48 |
| ULTSH 4.0|LLFT4 11 | 0.46 (CI 0.22-0.71; PI 0.01-0.98; I2 85%) | 0.73 (CI 0.52-0.88; PI 0.09-0.99; I2 80%) | 0.45 |
| ULTSH 4.1|LLFT4 11 | 0.44 (CI 0.21-0.70; PI 0.01-0.98; I2 85%) | 0.78 (CI 0.57-0.91; PI 0.10-0.99; I2 82%) | 0.46 |
| ULTSH 4.2|LLFT4 11 | 0.42 (CI 0.19-0.69; PI 0.01-0.98; I2 85%) | 0.81 (CI 0.59-0.92; PI 0.09-0.99; I2 80%) | 0.45 |
| ULTSH 4.3|LLFT4 11 | 0.38 (CI 0.18-0.63; PI 0.01-0.97; I2 84%) | 0.79 (CI 0.57-0.92; PI 0.09-0.99; I2 78%) | 0.41 |
| ULTSH 4.4|LLFT4 11 | 0.33 (CI 0.14-0.60; PI 0.01-0.97; I2 84%) | 0.77 (CI 0.54-0.90; PI 0.08-0.99; I2 75%) | 0.37 |
| ULTSH 4.5|LLFT4 11 | 0.32 (CI 0.14-0.58; PI 0.01-0.97; I2 84%) | 0.77 (CI 0.54-0.90; PI 0.09-0.99; I2 72%) | 0.36 |
| ULTSH 3.0|LLFT4 12 | 0.62 (CI 0.31-0.86; PI 0.01-1.00; I2 90%) | 0.42 (CI 0.22-0.65; PI 0.02-0.96; I2 89%) | 0.41 |
| ULTSH 3.1|LLFT4 12 | 0.62 (CI 0.30-0.85; PI 0.01-1.00; I2 90%) | 0.46 (CI 0.24-0.69; PI 0.02-0.97; I2 90%) | 0.44 |
| ULTSH 3.2|LLFT4 12 | 0.61 (CI 0.30-0.85; PI 0.01-1.00; I2 90%) | 0.52 (CI 0.28-0.75; PI 0.02-0.98; I2 90%) | 0.47 |
| ULTSH 3.3|LLFT4 12 | 0.59 (CI 0.28-0.84; PI 0.01-1.00; I2 90%) | 0.58 (CI 0.29-0.82; PI 0.01-0.99; I2 90%) | 0.49 |
| ULTSH 3.4|LLFT4 12 | 0.54 (CI 0.25-0.81; PI 0.01-0.99; I2 89%) | 0.61 (CI 0.27-0.86; PI 0.01-1.00; I2 87%) | 0.47 |
| ULTSH 3.5|LLFT4 12 | 0.52 (CI 0.24-0.79; PI 0.01-0.99; I2 88%) | 0.63 (CI 0.29-0.88; PI 0.01-1.00; I2 86%) | 0.47 |
| ULTSH 3.6|LLFT4 12 | 0.46 (CI 0.22-0.73; PI 0.01-0.99; I2 86%) | 0.64 (CI 0.32-0.87; PI 0.01-1.00; I2 85%) | 0.43 |
| ULTSH 3.7|LLFT4 12 | 0.43 (CI 0.20-0.70; PI 0.01-0.98; I2 85%) | 0.66 (CI 0.35-0.87; PI 0.02-1.00; I2 82%) | 0.42 |
| ULTSH 3.8|LLFT4 12 | 0.40 (CI 0.19-0.65; PI 0.01-0.98; I2 82%) | 0.67 (CI 0.38-0.87; PI 0.02-0.99; I2 81%) | 0.40 |
| ULTSH 3.9|LLFT4 12 | 0.37 (CI 0.17-0.62; PI 0.01-0.97; I2 81%) | 0.70 (CI 0.44-0.87; PI 0.05-0.99; I2 77%) | 0.39 |
| ULTSH 4.0|LLFT4 12 | 0.34 (CI 0.15-0.59; PI 0.01-0.97; I2 82%) | 0.71 (CI 0.45-0.88; PI 0.05-0.99; I2 75%) | 0.37 |
| ULTSH 4.1|LLFT4 12 | 0.33 (CI 0.15-0.58; PI 0.01-0.97; I2 82%) | 0.75 (CI 0.48-0.90; PI 0.05-0.99; I2 78%) | 0.37 |
| ULTSH 4.2|LLFT4 12 | 0.31 (CI 0.14-0.56; PI 0.01-0.97; I2 82%) | 0.77 (CI 0.48-0.92; PI 0.03-1.00; I2 75%) | 0.35 |
| ULTSH 4.3|LLFT4 12 | 0.29 (CI 0.13-0.53; PI 0.01-0.96; I2 81%) | 0.76 (CI 0.48-0.92; PI 0.04-1.00; I2 73%) | 0.33 |
| ULTSH 4.4|LLFT4 12 | 0.26 (CI 0.11-0.51; PI 0.01-0.96; I2 82%) | 0.75 (CI 0.48-0.91; PI 0.05-0.99; I2 68%) | 0.31 |
| ULTSH 4.5|LLFT4 12 | 0.25 (CI 0.11-0.49; PI 0.01-0.95; I2 82%) | 0.75 (CI 0.48-0.91; PI 0.05-0.99; I2 66%) | 0.30 |
| ULTSH 3.0|LLFT4 13 | 0.36 (CI 0.15-0.63; PI 0.01-0.98; I2 89%) | 0.34 (CI 0.15-0.60; PI 0.01-0.96; I2 85%) | 0.29 |
| ULTSH 3.1|LLFT4 13 | 0.35 (CI 0.15-0.63; PI 0.01-0.98; I2 89%) | 0.38 (CI 0.17-0.64; PI 0.01-0.97; I2 86%) | 0.30 |
| ULTSH 3.2|LLFT4 13 | 0.35 (CI 0.15-0.62; PI 0.01-0.98; I2 88%) | 0.44 (CI 0.20-0.71; PI 0.01-0.98; I2 87%) | 0.32 |
| ULTSH 3.3|LLFT4 13 | 0.33 (CI 0.14-0.61; PI 0.01-0.98; I2 88%) | 0.47 (CI 0.19-0.77; PI 0.01-0.99; I2 86%) | 0.32 |
| ULTSH 3.4|LLFT4 13 | 0.31 (CI 0.14-0.56; PI 0.01-0.97; I2 88%) | 0.50 (CI 0.18-0.82; PI 0.00-1.00; I2 84%) | 0.31 |
| ULTSH 3.5|LLFT4 13 | 0.30 (CI 0.13-0.54; PI 0.01-0.96; I2 88%) | 0.54 (CI 0.20-0.84; PI 0.00-1.00; I2 82%) | 0.31 |
| ULTSH 3.6|LLFT4 13 | 0.27 (CI 0.13-0.49; PI 0.01-0.94; I2 86%) | 0.54 (CI 0.21-0.83; PI 0.01-1.00; I2 80%) | 0.29 |
| ULTSH 3.7|LLFT4 13 | 0.26 (CI 0.12-0.48; PI 0.01-0.93; I2 86%) | 0.57 (CI 0.26-0.84; PI 0.01-0.99; I2 77%) | 0.29 |
| ULTSH 3.8|LLFT4 13 | 0.24 (CI 0.11-0.43; PI 0.01-0.91; I2 84%) | 0.58 (CI 0.28-0.83; PI 0.01-0.99; I2 75%) | 0.27 |
| ULTSH 3.9|LLFT4 13 | 0.22 (CI 0.10-0.41; PI 0.01-0.90; I2 83%) | 0.58 (CI 0.28-0.82; PI 0.02-0.99; I2 71%) | 0.26 |
| ULTSH 4.0|LLFT4 13 | 0.21 (CI 0.10-0.39; PI 0.01-0.89; I2 83%) | 0.59 (CI 0.29-0.83; PI 0.02-0.99; I2 69%) | 0.25 |
| ULTSH 4.1|LLFT4 13 | 0.21 (CI 0.10-0.38; PI 0.01-0.88; I2 83%) | 0.64 (CI 0.32-0.87; PI 0.02-0.99; I2 71%) | 0.25 |
| ULTSH 4.2|LLFT4 13 | 0.19 (CI 0.09-0.36; PI 0.01-0.87; I2 83%) | 0.67 (CI 0.34-0.89; PI 0.02-1.00; I2 67%) | 0.24 |
| ULTSH 4.3|LLFT4 13 | 0.18 (CI 0.09-0.34; PI 0.01-0.85; I2 82%) | 0.66 (CI 0.34-0.88; PI 0.02-0.99; I2 63%) | 0.23 |
| ULTSH 4.4|LLFT4 13 | 0.17 (CI 0.08-0.32; PI 0.01-0.84; I2 82%) | 0.66 (CI 0.37-0.87; PI 0.03-0.99; I2 54%) | 0.21 |
| ULTSH 4.5|LLFT4 13 | 0.16 (CI 0.07-0.31; PI 0.01-0.83; I2 82%) | 0.67 (CI 0.39-0.87; PI 0.05-0.99; I2 47%) | 0.21 |
| ULTSH 3.0|LLFT4 14 | 0.24 (CI 0.12-0.43; PI 0.01-0.90; I2 86%) | 0.34 (CI 0.15-0.61; PI 0.01-0.96; I2 80%) | 0.23 |
| ULTSH 3.1|LLFT4 14 | 0.23 (CI 0.11-0.42; PI 0.01-0.90; I2 85%) | 0.38 (CI 0.17-0.66; PI 0.01-0.97; I2 80%) | 0.24 |
| ULTSH 3.2|LLFT4 14 | 0.23 (CI 0.11-0.42; PI 0.01-0.89; I2 85%) | 0.44 (CI 0.20-0.71; PI 0.01-0.98; I2 82%) | 0.25 |
| ULTSH 3.3|LLFT4 14 | 0.22 (CI 0.11-0.40; PI 0.01-0.89; I2 85%) | 0.45 (CI 0.17-0.77; PI 0.01-0.99; I2 81%) | 0.24 |
| ULTSH 3.4|LLFT4 14 | 0.21 (CI 0.10-0.38; PI 0.01-0.87; I2 84%) | 0.48 (CI 0.17-0.81; PI 0.00-1.00; I2 79%) | 0.24 |
| ULTSH 3.5|LLFT4 14 | 0.20 (CI 0.10-0.36; PI 0.01-0.85; I2 84%) | 0.51 (CI 0.19-0.82; PI 0.01-0.99; I2 77%) | 0.23 |
| ULTSH 3.6|LLFT4 14 | 0.19 (CI 0.10-0.34; PI 0.01-0.82; I2 82%) | 0.52 (CI 0.20-0.82; PI 0.01-0.99; I2 74%) | 0.22 |
| ULTSH 3.7|LLFT4 14 | 0.18 (CI 0.09-0.32; PI 0.01-0.80; I2 82%) | 0.55 (CI 0.24-0.82; PI 0.01-0.99; I2 70%) | 0.22 |
| ULTSH 3.8|LLFT4 14 | 0.17 (CI 0.09-0.29; PI 0.01-0.76; I2 81%) | 0.56 (CI 0.26-0.82; PI 0.02-0.99; I2 67%) | 0.20 |
| ULTSH 3.9|LLFT4 14 | 0.15 (CI 0.08-0.27; PI 0.01-0.73; I2 81%) | 0.54 (CI 0.25-0.80; PI 0.02-0.99; I2 63%) | 0.19 |
| ULTSH 4.0|LLFT4 14 | 0.14 (CI 0.08-0.26; PI 0.01-0.71; I2 80%) | 0.54 (CI 0.25-0.80; PI 0.02-0.99; I2 58%) | 0.18 |
| ULTSH 4.1|LLFT4 14 | 0.14 (CI 0.07-0.25; PI 0.01-0.69; I2 79%) | 0.58 (CI 0.26-0.84; PI 0.02-0.99; I2 59%) | 0.18 |
| ULTSH 4.2|LLFT4 14 | 0.14 (CI 0.07-0.24; PI 0.01-0.68; I2 79%) | 0.62 (CI 0.29-0.86; PI 0.02-0.99; I2 58%) | 0.18 |
| ULTSH 4.3|LLFT4 14 | 0.13 (CI 0.07-0.23; PI 0.01-0.64; I2 75%) | 0.61 (CI 0.30-0.85; PI 0.02-0.99; I2 53%) | 0.17 |
| ULTSH 4.4|LLFT4 14 | 0.12 (CI 0.06-0.22; PI 0.01-0.63; I2 75%) | 0.61 (CI 0.31-0.84; PI 0.03-0.99; I2 45%) | 0.16 |
| ULTSH 4.5|LLFT4 14 | 0.11 (CI 0.06-0.21; PI 0.01-0.61; I2 75%) | 0.62 (CI 0.33-0.84; PI 0.05-0.98; I2 40%) | 0.15 |
| ULTSH 3.0|LLFT4 15 | 0.15 (CI 0.08-0.27; PI 0.01-0.73; I2 80%) | 0.32 (CI 0.13-0.59; PI 0.01-0.95; I2 66%) | 0.16 |
| ULTSH 3.1|LLFT4 15 | 0.15 (CI 0.08-0.27; PI 0.01-0.73; I2 79%) | 0.35 (CI 0.14-0.63; PI 0.01-0.96; I2 68%) | 0.17 |
| ULTSH 3.2|LLFT4 15 | 0.15 (CI 0.08-0.26; PI 0.01-0.72; I2 78%) | 0.39 (CI 0.16-0.69; PI 0.01-0.97; I2 69%) | 0.17 |
| ULTSH 3.3|LLFT4 15 | 0.14 (CI 0.08-0.26; PI 0.01-0.71; I2 78%) | 0.44 (CI 0.17-0.75; PI 0.01-0.99; I2 69%) | 0.17 |
| ULTSH 3.4|LLFT4 15 | 0.14 (CI 0.07-0.25; PI 0.01-0.69; I2 78%) | 0.47 (CI 0.18-0.78; PI 0.01-0.99; I2 69%) | 0.17 |
| ULTSH 3.5|LLFT4 15 | 0.14 (CI 0.07-0.24; PI 0.01-0.67; I2 77%) | 0.49 (CI 0.20-0.78; PI 0.01-0.99; I2 65%) | 0.17 |
| ULTSH 3.6|LLFT4 15 | 0.13 (CI 0.07-0.23; PI 0.01-0.64; I2 75%) | 0.49 (CI 0.21-0.78; PI 0.01-0.98; I2 63%) | 0.17 |
| ULTSH 3.7|LLFT4 15 | 0.13 (CI 0.07-0.22; PI 0.01-0.61; I2 74%) | 0.51 (CI 0.24-0.77; PI 0.02-0.98; I2 56%) | 0.16 |
| ULTSH 3.8|LLFT4 15 | 0.11 (CI 0.06-0.20; PI 0.01-0.57; I2 72%) | 0.48 (CI 0.19-0.79; PI 0.01-0.99; I2 53%) | 0.14 |
| ULTSH 3.9|LLFT4 15 | 0.11 (CI 0.06-0.19; PI 0.01-0.54; I2 72%) | 0.47 (CI 0.18-0.77; PI 0.01-0.98; I2 46%) | 0.13 |
| ULTSH 4.0|LLFT4 15 | 0.10 (CI 0.05-0.17; PI 0.01-0.51; I2 71%) | 0.46 (CI 0.18-0.77; PI 0.01-0.98; I2 40%) | 0.13 |
| ULTSH 4.1|LLFT4 15 | 0.10 (CI 0.05-0.17; PI 0.01-0.50; I2 69%) | 0.49 (CI 0.19-0.80; PI 0.01-0.99; I2 37%) | 0.13 |
| ULTSH 4.2|LLFT4 15 | 0.09 (CI 0.05-0.17; PI 0.01-0.50; I2 70%) | 0.46 (CI 0.14-0.81; PI 0.01-0.99; I2 27%) | 0.12 |
| ULTSH 4.3|LLFT4 15 | 0.09 (CI 0.05-0.15; PI 0.01-0.44; I2 64%) | 0.46 (CI 0.16-0.79; PI 0.01-0.98; I2 13%) | 0.11 |
| ULTSH 4.4|LLFT4 15 | 0.08 (CI 0.04-0.15; PI 0.01-0.46; I2 66%) | 0.45 (CI 0.16-0.78; PI 0.02-0.98; I2 2%) | 0.11 |
| ULTSH 4.5|LLFT4 15 | 0.08 (CI 0.04-0.14; PI 0.01-0.43; I2 63%) | 0.49 (CI 0.21-0.77; PI 0.04-0.96; I2 0%) | 0.10 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 19 – Diagnostic performance for treatment indication with relative modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.94 (CI 0.91-0.96; PI 0.83-0.98; I2 25%) | 0.49 (CI 0.33-0.65; PI 0.05-0.94; I2 92%) | 0.65 |
| ULTSH -45%|LLFT4 -20% | 0.93 (CI 0.89-0.96; PI 0.70-0.99; I2 56%) | 0.57 (CI 0.38-0.74; PI 0.05-0.97; I2 91%) | 0.69 |
| ULTSH -40%|LLFT4 -20% | 0.92 (CI 0.86-0.95; PI 0.61-0.99; I2 71%) | 0.65 (CI 0.45-0.81; PI 0.05-0.98; I2 91%) | 0.73 |
| ULTSH -35%|LLFT4 -20% | 0.89 (CI 0.82-0.94; PI 0.52-0.98; I2 76%) | 0.75 (CI 0.56-0.88; PI 0.07-0.99; I2 89%) | 0.77 |
| ULTSH -30%|LLFT4 -20% | 0.87 (CI 0.78-0.93; PI 0.37-0.99; I2 82%) | 0.78 (CI 0.61-0.89; PI 0.12-0.99; I2 89%) | 0.76 |
| ULTSH -25%|LLFT4 -20% | 0.84 (CI 0.71-0.91; PI 0.24-0.99; I2 86%) | 0.83 (CI 0.70-0.91; PI 0.21-0.99; I2 88%) | 0.78 |
| ULTSH -20%|LLFT4 -20% | 0.81 (CI 0.67-0.90; PI 0.19-0.99; I2 88%) | 0.85 (CI 0.73-0.92; PI 0.23-0.99; I2 84%) | 0.78 |
| ULTSH -15%|LLFT4 -20% | 0.73 (CI 0.57-0.85; PI 0.13-0.98; I2 89%) | 0.87 (CI 0.77-0.93; PI 0.34-0.99; I2 81%) | 0.75 |
| ULTSH -10%|LLFT4 -20% | 0.66 (CI 0.50-0.79; PI 0.11-0.97; I2 88%) | 0.88 (CI 0.79-0.94; PI 0.36-0.99; I2 78%) | 0.71 |
| ULTSH -5%|LLFT4 -20% | 0.62 (CI 0.46-0.76; PI 0.10-0.96; I2 89%) | 0.89 (CI 0.81-0.94; PI 0.42-0.99; I2 74%) | 0.70 |
| ULTSH NP|LLFT4 -20% | 0.56 (CI 0.40-0.71; PI 0.08-0.95; I2 89%) | 0.92 (CI 0.84-0.96; PI 0.52-0.99; I2 65%) | 0.68 |
| ULTSH -50%|LLFT4 -15% | 0.95 (CI 0.91-0.97; PI 0.81-0.99; I2 23%) | 0.48 (CI 0.33-0.65; PI 0.05-0.94; I2 92%) | 0.65 |
| ULTSH -45%|LLFT4 -15% | 0.94 (CI 0.89-0.97; PI 0.67-0.99; I2 53%) | 0.56 (CI 0.38-0.74; PI 0.05-0.97; I2 91%) | 0.68 |
| ULTSH -40%|LLFT4 -15% | 0.93 (CI 0.87-0.96; PI 0.57-0.99; I2 69%) | 0.65 (CI 0.45-0.81; PI 0.05-0.98; I2 91%) | 0.73 |
| ULTSH -35%|LLFT4 -15% | 0.90 (CI 0.83-0.95; PI 0.48-0.99; I2 74%) | 0.75 (CI 0.56-0.88; PI 0.07-0.99; I2 90%) | 0.77 |
| ULTSH -30%|LLFT4 -15% | 0.89 (CI 0.79-0.94; PI 0.33-0.99; I2 80%) | 0.78 (CI 0.61-0.88; PI 0.11-0.99; I2 89%) | 0.76 |
| ULTSH -25%|LLFT4 -15% | 0.85 (CI 0.72-0.93; PI 0.20-0.99; I2 84%) | 0.83 (CI 0.69-0.91; PI 0.20-0.99; I2 88%) | 0.78 |
| ULTSH -20%|LLFT4 -15% | 0.83 (CI 0.68-0.92; PI 0.16-0.99; I2 87%) | 0.85 (CI 0.73-0.92; PI 0.23-0.99; I2 84%) | 0.78 |
| ULTSH -15%|LLFT4 -15% | 0.75 (CI 0.57-0.87; PI 0.10-0.99; I2 88%) | 0.87 (CI 0.77-0.93; PI 0.32-0.99; I2 81%) | 0.75 |
| ULTSH -10%|LLFT4 -15% | 0.67 (CI 0.50-0.81; PI 0.09-0.98; I2 87%) | 0.87 (CI 0.77-0.93; PI 0.35-0.99; I2 78%) | 0.71 |
| ULTSH -5%|LLFT4 -15% | 0.63 (CI 0.46-0.77; PI 0.09-0.97; I2 89%) | 0.88 (CI 0.80-0.94; PI 0.44-0.99; I2 74%) | 0.69 |
| ULTSH NP|LLFT4 -15% | 0.57 (CI 0.40-0.71; PI 0.08-0.95; I2 89%) | 0.91 (CI 0.84-0.95; PI 0.52-0.99; I2 65%) | 0.68 |
| ULTSH -50%|LLFT4 -10% | 0.95 (CI 0.92-0.97; PI 0.81-0.99; I2 18%) | 0.48 (CI 0.32-0.64; PI 0.05-0.94; I2 92%) | 0.64 |
| ULTSH -45%|LLFT4 -10% | 0.95 (CI 0.90-0.97; PI 0.66-0.99; I2 52%) | 0.56 (CI 0.37-0.73; PI 0.04-0.97; I2 92%) | 0.68 |
| ULTSH -40%|LLFT4 -10% | 0.93 (CI 0.87-0.97; PI 0.56-0.99; I2 69%) | 0.65 (CI 0.45-0.81; PI 0.05-0.98; I2 92%) | 0.72 |
| ULTSH -35%|LLFT4 -10% | 0.91 (CI 0.84-0.96; PI 0.45-0.99; I2 73%) | 0.75 (CI 0.55-0.87; PI 0.07-0.99; I2 90%) | 0.77 |
| ULTSH -30%|LLFT4 -10% | 0.90 (CI 0.79-0.95; PI 0.30-0.99; I2 80%) | 0.78 (CI 0.61-0.88; PI 0.11-0.99; I2 89%) | 0.76 |
| ULTSH -25%|LLFT4 -10% | 0.87 (CI 0.73-0.94; PI 0.18-0.99; I2 84%) | 0.82 (CI 0.69-0.91; PI 0.20-0.99; I2 88%) | 0.78 |
| ULTSH -20%|LLFT4 -10% | 0.84 (CI 0.68-0.93; PI 0.14-0.99; I2 87%) | 0.85 (CI 0.73-0.92; PI 0.22-0.99; I2 84%) | 0.78 |
| ULTSH -15%|LLFT4 -10% | 0.77 (CI 0.58-0.89; PI 0.08-0.99; I2 88%) | 0.87 (CI 0.76-0.93; PI 0.31-0.99; I2 80%) | 0.75 |
| ULTSH -10%|LLFT4 -10% | 0.68 (CI 0.50-0.82; PI 0.08-0.98; I2 87%) | 0.88 (CI 0.78-0.93; PI 0.35-0.99; I2 78%) | 0.71 |
| ULTSH -5%|LLFT4 -10% | 0.63 (CI 0.46-0.78; PI 0.09-0.97; I2 90%) | 0.89 (CI 0.80-0.94; PI 0.44-0.99; I2 74%) | 0.70 |
| ULTSH NP|LLFT4 -10% | 0.57 (CI 0.41-0.72; PI 0.08-0.95; I2 90%) | 0.91 (CI 0.84-0.95; PI 0.52-0.99; I2 65%) | 0.68 |
| ULTSH -50%|LLFT4 -5% | 0.95 (CI 0.92-0.97; PI 0.83-0.99; I2 10%) | 0.48 (CI 0.32-0.64; PI 0.05-0.94; I2 93%) | 0.64 |
| ULTSH -45%|LLFT4 -5% | 0.95 (CI 0.90-0.97; PI 0.68-0.99; I2 49%) | 0.56 (CI 0.37-0.73; PI 0.04-0.97; I2 92%) | 0.68 |
| ULTSH -40%|LLFT4 -5% | 0.94 (CI 0.88-0.97; PI 0.56-0.99; I2 70%) | 0.65 (CI 0.44-0.81; PI 0.05-0.98; I2 92%) | 0.72 |
| ULTSH -35%|LLFT4 -5% | 0.92 (CI 0.84-0.96; PI 0.45-0.99; I2 74%) | 0.75 (CI 0.55-0.87; PI 0.07-0.99; I2 90%) | 0.77 |
| ULTSH -30%|LLFT4 -5% | 0.90 (CI 0.80-0.96; PI 0.29-1.00; I2 80%) | 0.77 (CI 0.61-0.88; PI 0.11-0.99; I2 90%) | 0.76 |
| ULTSH -25%|LLFT4 -5% | 0.87 (CI 0.74-0.95; PI 0.17-1.00; I2 83%) | 0.82 (CI 0.69-0.91; PI 0.20-0.99; I2 89%) | 0.78 |
| ULTSH -20%|LLFT4 -5% | 0.85 (CI 0.69-0.93; PI 0.13-1.00; I2 87%) | 0.85 (CI 0.72-0.92; PI 0.22-0.99; I2 84%) | 0.78 |
| ULTSH -15%|LLFT4 -5% | 0.78 (CI 0.58-0.90; PI 0.08-0.99; I2 88%) | 0.87 (CI 0.76-0.93; PI 0.30-0.99; I2 80%) | 0.75 |
| ULTSH -10%|LLFT4 -5% | 0.69 (CI 0.50-0.83; PI 0.08-0.98; I2 88%) | 0.87 (CI 0.77-0.93; PI 0.34-0.99; I2 77%) | 0.71 |
| ULTSH -5%|LLFT4 -5% | 0.64 (CI 0.46-0.78; PI 0.08-0.97; I2 90%) | 0.88 (CI 0.80-0.93; PI 0.44-0.99; I2 73%) | 0.70 |
| ULTSH NP|LLFT4 -5% | 0.58 (CI 0.41-0.73; PI 0.08-0.96; I2 90%) | 0.91 (CI 0.83-0.95; PI 0.51-0.99; I2 63%) | 0.68 |
| ULTSH -50%|LLFT4 NP | 0.97 (CI 0.94-0.98; PI 0.86-0.99; I2 1%) | 0.46 (CI 0.30-0.63; PI 0.04-0.95; I2 94%) | 0.63 |
| ULTSH -45%|LLFT4 NP | 0.96 (CI 0.92-0.98; PI 0.74-0.99; I2 39%) | 0.54 (CI 0.35-0.73; PI 0.04-0.98; I2 93%) | 0.67 |
| ULTSH -40%|LLFT4 NP | 0.95 (CI 0.89-0.98; PI 0.59-1.00; I2 67%) | 0.63 (CI 0.42-0.80; PI 0.04-0.99; I2 93%) | 0.71 |
| ULTSH -35%|LLFT4 NP | 0.93 (CI 0.86-0.97; PI 0.46-1.00; I2 72%) | 0.72 (CI 0.51-0.87; PI 0.05-0.99; I2 91%) | 0.75 |
| ULTSH -30%|LLFT4 NP | 0.93 (CI 0.82-0.97; PI 0.28-1.00; I2 79%) | 0.75 (CI 0.57-0.88; PI 0.08-0.99; I2 91%) | 0.75 |
| ULTSH -25%|LLFT4 NP | 0.90 (CI 0.76-0.96; PI 0.16-1.00; I2 82%) | 0.80 (CI 0.64-0.89; PI 0.13-0.99; I2 89%) | 0.76 |
| ULTSH -20%|LLFT4 NP | 0.87 (CI 0.72-0.95; PI 0.13-1.00; I2 87%) | 0.82 (CI 0.68-0.91; PI 0.16-0.99; I2 85%) | 0.76 |
| ULTSH -15%|LLFT4 NP | 0.81 (CI 0.61-0.92; PI 0.07-1.00; I2 88%) | 0.84 (CI 0.71-0.92; PI 0.21-0.99; I2 81%) | 0.73 |
| ULTSH -10%|LLFT4 NP | 0.72 (CI 0.52-0.86; PI 0.07-0.99; I2 87%) | 0.85 (CI 0.74-0.92; PI 0.30-0.99; I2 76%) | 0.71 |
| ULTSH -5%|LLFT4 NP | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 90%) | 0.87 (CI 0.78-0.93; PI 0.41-0.98; I2 72%) | 0.70 |
| ULTSH NP|LLFT4 NP | 0.60 (CI 0.42-0.76; PI 0.06-0.97; I2 90%) | 0.89 (CI 0.81-0.94; PI 0.44-0.99; I2 63%) | 0.68 |
| ULTSH -50%|LLFT4 +5% | 0.98 (CI 0.95-0.99; PI 0.87-1.00; I2 0%) | 0.44 (CI 0.28-0.62; PI 0.03-0.95; I2 94%) | 0.61 |
| ULTSH -45%|LLFT4 +5% | 0.97 (CI 0.93-0.99; PI 0.74-1.00; I2 12%) | 0.51 (CI 0.32-0.70; PI 0.03-0.97; I2 94%) | 0.65 |
| ULTSH -40%|LLFT4 +5% | 0.96 (CI 0.91-0.99; PI 0.54-1.00; I2 61%) | 0.60 (CI 0.39-0.78; PI 0.03-0.98; I2 94%) | 0.70 |
| ULTSH -35%|LLFT4 +5% | 0.95 (CI 0.88-0.98; PI 0.38-1.00; I2 65%) | 0.70 (CI 0.49-0.86; PI 0.04-0.99; I2 92%) | 0.74 |
| ULTSH -30%|LLFT4 +5% | 0.95 (CI 0.85-0.98; PI 0.20-1.00; I2 72%) | 0.73 (CI 0.54-0.87; PI 0.07-0.99; I2 91%) | 0.73 |
| ULTSH -25%|LLFT4 +5% | 0.93 (CI 0.79-0.98; PI 0.10-1.00; I2 75%) | 0.77 (CI 0.61-0.88; PI 0.12-0.99; I2 90%) | 0.74 |
| ULTSH -20%|LLFT4 +5% | 0.89 (CI 0.74-0.96; PI 0.12-1.00; I2 87%) | 0.80 (CI 0.66-0.90; PI 0.16-0.99; I2 87%) | 0.75 |
| ULTSH -15%|LLFT4 +5% | 0.83 (CI 0.62-0.93; PI 0.06-1.00; I2 88%) | 0.83 (CI 0.70-0.91; PI 0.21-0.99; I2 83%) | 0.72 |
| ULTSH -10%|LLFT4 +5% | 0.74 (CI 0.53-0.88; PI 0.06-0.99; I2 87%) | 0.85 (CI 0.73-0.92; PI 0.28-0.99; I2 78%) | 0.70 |
| ULTSH -5%|LLFT4 +5% | 0.69 (CI 0.49-0.84; PI 0.06-0.99; I2 90%) | 0.86 (CI 0.76-0.92; PI 0.37-0.98; I2 74%) | 0.69 |
| ULTSH NP|LLFT4 +5% | 0.63 (CI 0.42-0.80; PI 0.05-0.98; I2 90%) | 0.89 (CI 0.79-0.94; PI 0.37-0.99; I2 67%) | 0.69 |
| ULTSH -50%|LLFT4 +10% | 0.99 (CI 0.96-1.00; PI 0.81-1.00; I2 0%) | 0.41 (CI 0.25-0.59; PI 0.03-0.95; I2 95%) | 0.59 |
| ULTSH -45%|LLFT4 +10% | 0.98 (CI 0.94-0.99; PI 0.64-1.00; I2 0%) | 0.48 (CI 0.30-0.67; PI 0.03-0.96; I2 94%) | 0.63 |
| ULTSH -40%|LLFT4 +10% | 0.98 (CI 0.92-0.99; PI 0.40-1.00; I2 49%) | 0.57 (CI 0.37-0.76; PI 0.03-0.98; I2 94%) | 0.68 |
| ULTSH -35%|LLFT4 +10% | 0.97 (CI 0.89-0.99; PI 0.30-1.00; I2 59%) | 0.68 (CI 0.46-0.84; PI 0.04-0.99; I2 92%) | 0.73 |
| ULTSH -30%|LLFT4 +10% | 0.96 (CI 0.86-0.99; PI 0.15-1.00; I2 65%) | 0.71 (CI 0.51-0.85; PI 0.06-0.99; I2 92%) | 0.72 |
| ULTSH -25%|LLFT4 +10% | 0.95 (CI 0.80-0.99; PI 0.07-1.00; I2 66%) | 0.75 (CI 0.58-0.87; PI 0.11-0.99; I2 91%) | 0.72 |
| ULTSH -20%|LLFT4 +10% | 0.91 (CI 0.75-0.97; PI 0.09-1.00; I2 85%) | 0.78 (CI 0.64-0.88; PI 0.16-0.99; I2 88%) | 0.73 |
| ULTSH -15%|LLFT4 +10% | 0.86 (CI 0.63-0.95; PI 0.04-1.00; I2 86%) | 0.80 (CI 0.67-0.89; PI 0.22-0.98; I2 84%) | 0.71 |
| ULTSH -10%|LLFT4 +10% | 0.77 (CI 0.54-0.90; PI 0.04-1.00; I2 85%) | 0.82 (CI 0.71-0.89; PI 0.31-0.98; I2 78%) | 0.69 |
| ULTSH -5%|LLFT4 +10% | 0.71 (CI 0.49-0.87; PI 0.05-0.99; I2 88%) | 0.83 (CI 0.74-0.90; PI 0.39-0.97; I2 74%) | 0.68 |
| ULTSH NP|LLFT4 +10% | 0.65 (CI 0.42-0.83; PI 0.04-0.99; I2 88%) | 0.86 (CI 0.77-0.92; PI 0.41-0.98; I2 71%) | 0.67 |
| ULTSH -50%|LLFT4 +15% | 0.99 (CI 0.96-1.00; PI 0.70-1.00; I2 0%) | 0.37 (CI 0.21-0.56; PI 0.02-0.94; I2 96%) | 0.54 |
| ULTSH -45%|LLFT4 +15% | 0.99 (CI 0.95-1.00; PI 0.49-1.00; I2 0%) | 0.43 (CI 0.26-0.63; PI 0.02-0.96; I2 95%) | 0.59 |
| ULTSH -40%|LLFT4 +15% | 0.99 (CI 0.93-1.00; PI 0.35-1.00; I2 49%) | 0.53 (CI 0.32-0.73; PI 0.02-0.98; I2 95%) | 0.64 |
| ULTSH -35%|LLFT4 +15% | 0.98 (CI 0.90-0.99; PI 0.25-1.00; I2 57%) | 0.63 (CI 0.39-0.82; PI 0.03-0.99; I2 93%) | 0.69 |
| ULTSH -30%|LLFT4 +15% | 0.97 (CI 0.86-1.00; PI 0.11-1.00; I2 61%) | 0.67 (CI 0.45-0.83; PI 0.04-0.99; I2 92%) | 0.69 |
| ULTSH -25%|LLFT4 +15% | 0.96 (CI 0.81-0.99; PI 0.05-1.00; I2 60%) | 0.70 (CI 0.52-0.84; PI 0.08-0.99; I2 92%) | 0.69 |
| ULTSH -20%|LLFT4 +15% | 0.93 (CI 0.76-0.98; PI 0.07-1.00; I2 83%) | 0.75 (CI 0.59-0.87; PI 0.12-0.99; I2 90%) | 0.70 |
| ULTSH -15%|LLFT4 +15% | 0.88 (CI 0.64-0.97; PI 0.03-1.00; I2 85%) | 0.77 (CI 0.63-0.87; PI 0.17-0.98; I2 86%) | 0.69 |
| ULTSH -10%|LLFT4 +15% | 0.79 (CI 0.54-0.92; PI 0.03-1.00; I2 83%) | 0.79 (CI 0.66-0.88; PI 0.24-0.98; I2 82%) | 0.67 |
| ULTSH -5%|LLFT4 +15% | 0.73 (CI 0.49-0.88; PI 0.04-0.99; I2 87%) | 0.81 (CI 0.70-0.88; PI 0.33-0.97; I2 78%) | 0.66 |
| ULTSH NP|LLFT4 +15% | 0.67 (CI 0.42-0.85; PI 0.03-0.99; I2 87%) | 0.84 (CI 0.74-0.91; PI 0.37-0.98; I2 76%) | 0.66 |
| ULTSH -50%|LLFT4 +20% | 0.99 (CI 0.96-1.00; PI 0.73-1.00; I2 0%) | 0.34 (CI 0.19-0.53; PI 0.02-0.94; I2 96%) | 0.51 |
| ULTSH -45%|LLFT4 +20% | 0.99 (CI 0.95-1.00; PI 0.50-1.00; I2 0%) | 0.40 (CI 0.23-0.61; PI 0.02-0.96; I2 96%) | 0.56 |
| ULTSH -40%|LLFT4 +20% | 0.99 (CI 0.93-1.00; PI 0.35-1.00; I2 50%) | 0.49 (CI 0.28-0.71; PI 0.02-0.98; I2 95%) | 0.61 |
| ULTSH -35%|LLFT4 +20% | 0.98 (CI 0.90-0.99; PI 0.25-1.00; I2 58%) | 0.59 (CI 0.35-0.80; PI 0.02-0.99; I2 93%) | 0.65 |
| ULTSH -30%|LLFT4 +20% | 0.97 (CI 0.86-1.00; PI 0.11-1.00; I2 62%) | 0.63 (CI 0.40-0.81; PI 0.03-0.99; I2 92%) | 0.65 |
| ULTSH -25%|LLFT4 +20% | 0.96 (CI 0.81-0.99; PI 0.05-1.00; I2 61%) | 0.67 (CI 0.47-0.82; PI 0.06-0.99; I2 92%) | 0.65 |
| ULTSH -20%|LLFT4 +20% | 0.93 (CI 0.76-0.98; PI 0.07-1.00; I2 83%) | 0.71 (CI 0.53-0.84; PI 0.09-0.98; I2 91%) | 0.67 |
| ULTSH -15%|LLFT4 +20% | 0.88 (CI 0.64-0.97; PI 0.03-1.00; I2 85%) | 0.72 (CI 0.56-0.84; PI 0.13-0.98; I2 87%) | 0.66 |
| ULTSH -10%|LLFT4 +20% | 0.79 (CI 0.54-0.92; PI 0.03-1.00; I2 83%) | 0.75 (CI 0.61-0.85; PI 0.19-0.97; I2 83%) | 0.65 |
| ULTSH -5%|LLFT4 +20% | 0.73 (CI 0.49-0.88; PI 0.04-0.99; I2 87%) | 0.76 (CI 0.64-0.85; PI 0.25-0.97; I2 80%) | 0.63 |
| ULTSH NP|LLFT4 +20% | 0.67 (CI 0.42-0.85; PI 0.03-0.99; I2 87%) | 0.79 (CI 0.68-0.87; PI 0.31-0.97; I2 78%) | 0.63 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 20 – Diagnostic performance for treatment consideration with relative modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.73 (CI 0.58-0.84; PI 0.13-0.98; I2 85%) | 0.25 (CI 0.16-0.38; PI 0.02-0.83; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 -20% | 0.71 (CI 0.59-0.80; PI 0.21-0.96; I2 87%) | 0.35 (CI 0.21-0.51; PI 0.03-0.91; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 -20% | 0.69 (CI 0.58-0.79; PI 0.23-0.94; I2 90%) | 0.44 (CI 0.28-0.61; PI 0.04-0.94; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 -20% | 0.71 (CI 0.60-0.80; PI 0.23-0.95; I2 89%) | 0.54 (CI 0.37-0.69; PI 0.06-0.96; I2 96%) | 0.60 |
| ULTSH -30%|LLFT4 -20% | 0.71 (CI 0.57-0.82; PI 0.16-0.97; I2 90%) | 0.56 (CI 0.42-0.69; PI 0.10-0.94; I2 95%) | 0.63 |
| ULTSH -25%|LLFT4 -20% | 0.75 (CI 0.59-0.87; PI 0.10-0.99; I2 91%) | 0.60 (CI 0.47-0.72; PI 0.13-0.93; I2 94%) | 0.66 |
| ULTSH -20%|LLFT4 -20% | 0.75 (CI 0.56-0.88; PI 0.07-0.99; I2 93%) | 0.67 (CI 0.50-0.81; PI 0.09-0.98; I2 93%) | 0.73 |
| ULTSH -15%|LLFT4 -20% | 0.72 (CI 0.52-0.86; PI 0.06-0.99; I2 94%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 93%) | 0.69 |
| ULTSH -10%|LLFT4 -20% | 0.66 (CI 0.45-0.82; PI 0.05-0.99; I2 94%) | 0.63 (CI 0.47-0.77; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -5%|LLFT4 -20% | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.97; I2 92%) | 0.64 |
| ULTSH NP|LLFT4 -20% | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.65 (CI 0.46-0.81; PI 0.06-0.98; I2 93%) | 0.64 |
| ULTSH -50%|LLFT4 -15% | 0.73 (CI 0.57-0.84; PI 0.12-0.98; I2 85%) | 0.25 (CI 0.16-0.38; PI 0.02-0.83; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 -15% | 0.71 (CI 0.59-0.80; PI 0.21-0.96; I2 88%) | 0.35 (CI 0.21-0.51; PI 0.03-0.91; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 -15% | 0.69 (CI 0.58-0.79; PI 0.23-0.95; I2 90%) | 0.44 (CI 0.28-0.61; PI 0.04-0.94; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 -15% | 0.71 (CI 0.59-0.80; PI 0.23-0.95; I2 89%) | 0.54 (CI 0.37-0.69; PI 0.06-0.96; I2 96%) | 0.60 |
| ULTSH -30%|LLFT4 -15% | 0.71 (CI 0.57-0.81; PI 0.16-0.97; I2 90%) | 0.56 (CI 0.42-0.69; PI 0.10-0.94; I2 95%) | 0.62 |
| ULTSH -25%|LLFT4 -15% | 0.75 (CI 0.58-0.87; PI 0.10-0.99; I2 91%) | 0.60 (CI 0.47-0.72; PI 0.13-0.93; I2 94%) | 0.66 |
| ULTSH -20%|LLFT4 -15% | 0.75 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.67 (CI 0.50-0.81; PI 0.09-0.98; I2 93%) | 0.73 |
| ULTSH -15%|LLFT4 -15% | 0.71 (CI 0.52-0.85; PI 0.06-0.99; I2 94%) | 0.67 (CI 0.49-0.80; PI 0.08-0.98; I2 93%) | 0.69 |
| ULTSH -10%|LLFT4 -15% | 0.64 (CI 0.45-0.80; PI 0.05-0.98; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 92%) | 0.64 |
| ULTSH -5%|LLFT4 -15% | 0.63 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH NP|LLFT4 -15% | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.66 (CI 0.46-0.81; PI 0.06-0.98; I2 93%) | 0.64 |
| ULTSH -50%|LLFT4 -10% | 0.73 (CI 0.57-0.84; PI 0.12-0.98; I2 85%) | 0.25 (CI 0.16-0.38; PI 0.02-0.83; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 -10% | 0.71 (CI 0.59-0.80; PI 0.21-0.96; I2 88%) | 0.35 (CI 0.22-0.51; PI 0.03-0.91; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 -10% | 0.69 (CI 0.58-0.79; PI 0.23-0.95; I2 90%) | 0.44 (CI 0.29-0.61; PI 0.04-0.94; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 -10% | 0.71 (CI 0.59-0.80; PI 0.23-0.95; I2 89%) | 0.54 (CI 0.37-0.69; PI 0.06-0.96; I2 96%) | 0.60 |
| ULTSH -30%|LLFT4 -10% | 0.71 (CI 0.57-0.81; PI 0.16-0.97; I2 90%) | 0.57 (CI 0.43-0.70; PI 0.10-0.94; I2 95%) | 0.63 |
| ULTSH -25%|LLFT4 -10% | 0.75 (CI 0.58-0.87; PI 0.10-0.99; I2 91%) | 0.60 (CI 0.47-0.72; PI 0.13-0.94; I2 94%) | 0.66 |
| ULTSH -20%|LLFT4 -10% | 0.75 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.67 (CI 0.50-0.81; PI 0.09-0.98; I2 93%) | 0.73 |
| ULTSH -15%|LLFT4 -10% | 0.71 (CI 0.52-0.85; PI 0.06-0.99; I2 94%) | 0.67 (CI 0.50-0.81; PI 0.08-0.98; I2 93%) | 0.69 |
| ULTSH -10%|LLFT4 -10% | 0.64 (CI 0.45-0.80; PI 0.05-0.98; I2 94%) | 0.65 (CI 0.47-0.79; PI 0.08-0.97; I2 92%) | 0.64 |
| ULTSH -5%|LLFT4 -10% | 0.63 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH NP|LLFT4 -10% | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 93%) | 0.64 |
| ULTSH -50%|LLFT4 -5% | 0.73 (CI 0.57-0.84; PI 0.12-0.98; I2 85%) | 0.25 (CI 0.16-0.38; PI 0.02-0.83; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 -5% | 0.71 (CI 0.58-0.80; PI 0.20-0.96; I2 88%) | 0.35 (CI 0.22-0.51; PI 0.03-0.91; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 -5% | 0.69 (CI 0.58-0.78; PI 0.22-0.95; I2 90%) | 0.44 (CI 0.29-0.61; PI 0.04-0.94; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 -5% | 0.71 (CI 0.59-0.80; PI 0.22-0.95; I2 89%) | 0.54 (CI 0.37-0.69; PI 0.06-0.96; I2 96%) | 0.60 |
| ULTSH -30%|LLFT4 -5% | 0.71 (CI 0.57-0.81; PI 0.16-0.97; I2 90%) | 0.57 (CI 0.43-0.70; PI 0.10-0.94; I2 95%) | 0.63 |
| ULTSH -25%|LLFT4 -5% | 0.75 (CI 0.58-0.87; PI 0.10-0.99; I2 91%) | 0.60 (CI 0.47-0.72; PI 0.14-0.94; I2 94%) | 0.66 |
| ULTSH -20%|LLFT4 -5% | 0.75 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.68 (CI 0.50-0.81; PI 0.08-0.98; I2 93%) | 0.73 |
| ULTSH -15%|LLFT4 -5% | 0.71 (CI 0.52-0.85; PI 0.06-0.99; I2 94%) | 0.68 (CI 0.50-0.82; PI 0.08-0.98; I2 93%) | 0.69 |
| ULTSH -10%|LLFT4 -5% | 0.64 (CI 0.45-0.79; PI 0.06-0.98; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.64 |
| ULTSH -5%|LLFT4 -5% | 0.63 (CI 0.43-0.79; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH NP|LLFT4 -5% | 0.65 (CI 0.40-0.84; PI 0.02-0.99; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 93%) | 0.64 |
| ULTSH -50%|LLFT4 NP | 0.71 (CI 0.55-0.83; PI 0.11-0.98; I2 87%) | 0.25 (CI 0.16-0.39; PI 0.02-0.84; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 NP | 0.69 (CI 0.56-0.79; PI 0.18-0.96; I2 89%) | 0.35 (CI 0.21-0.52; PI 0.02-0.92; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 NP | 0.67 (CI 0.56-0.77; PI 0.21-0.94; I2 90%) | 0.45 (CI 0.29-0.62; PI 0.04-0.95; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 NP | 0.69 (CI 0.57-0.78; PI 0.22-0.94; I2 89%) | 0.54 (CI 0.38-0.70; PI 0.06-0.96; I2 96%) | 0.59 |
| ULTSH -30%|LLFT4 NP | 0.68 (CI 0.55-0.79; PI 0.17-0.96; I2 90%) | 0.57 (CI 0.43-0.71; PI 0.10-0.94; I2 95%) | 0.62 |
| ULTSH -25%|LLFT4 NP | 0.71 (CI 0.56-0.83; PI 0.13-0.98; I2 91%) | 0.61 (CI 0.48-0.72; PI 0.14-0.94; I2 94%) | 0.65 |
| ULTSH -20%|LLFT4 NP | 0.70 (CI 0.54-0.83; PI 0.10-0.98; I2 93%) | 0.68 (CI 0.51-0.81; PI 0.09-0.98; I2 93%) | 0.70 |
| ULTSH -15%|LLFT4 NP | 0.67 (CI 0.50-0.80; PI 0.08-0.98; I2 93%) | 0.68 (CI 0.50-0.82; PI 0.08-0.98; I2 93%) | 0.67 |
| ULTSH -10%|LLFT4 NP | 0.61 (CI 0.44-0.76; PI 0.07-0.97; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.63 |
| ULTSH -5%|LLFT4 NP | 0.61 (CI 0.43-0.77; PI 0.06-0.98; I2 94%) | 0.66 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.63 |
| ULTSH NP|LLFT4 NP | 0.64 (CI 0.39-0.83; PI 0.02-0.99; I2 92%) | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 93%) | 0.64 |
| ULTSH -50%|LLFT4 +5% | 0.70 (CI 0.54-0.83; PI 0.10-0.98; I2 87%) | 0.26 (CI 0.16-0.39; PI 0.02-0.84; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 +5% | 0.68 (CI 0.55-0.78; PI 0.17-0.95; I2 89%) | 0.36 (CI 0.22-0.53; PI 0.03-0.92; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 +5% | 0.67 (CI 0.55-0.77; PI 0.19-0.94; I2 91%) | 0.45 (CI 0.29-0.62; PI 0.04-0.95; I2 97%) | 0.53 |
| ULTSH -35%|LLFT4 +5% | 0.68 (CI 0.56-0.78; PI 0.21-0.94; I2 89%) | 0.55 (CI 0.38-0.70; PI 0.06-0.96; I2 96%) | 0.60 |
| ULTSH -30%|LLFT4 +5% | 0.67 (CI 0.54-0.78; PI 0.16-0.96; I2 90%) | 0.58 (CI 0.44-0.71; PI 0.11-0.94; I2 95%) | 0.62 |
| ULTSH -25%|LLFT4 +5% | 0.70 (CI 0.55-0.82; PI 0.13-0.97; I2 91%) | 0.61 (CI 0.48-0.73; PI 0.14-0.94; I2 94%) | 0.66 |
| ULTSH -20%|LLFT4 +5% | 0.69 (CI 0.53-0.82; PI 0.10-0.98; I2 93%) | 0.69 (CI 0.51-0.82; PI 0.09-0.98; I2 92%) | 0.69 |
| ULTSH -15%|LLFT4 +5% | 0.66 (CI 0.49-0.79; PI 0.09-0.97; I2 93%) | 0.68 (CI 0.50-0.82; PI 0.08-0.98; I2 92%) | 0.67 |
| ULTSH -10%|LLFT4 +5% | 0.60 (CI 0.43-0.75; PI 0.07-0.97; I2 93%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.62 |
| ULTSH -5%|LLFT4 +5% | 0.61 (CI 0.42-0.76; PI 0.06-0.97; I2 94%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.63 |
| ULTSH NP|LLFT4 +5% | 0.63 (CI 0.38-0.82; PI 0.02-0.99; I2 92%) | 0.69 (CI 0.47-0.85; PI 0.04-0.99; I2 92%) | 0.67 |
| ULTSH -50%|LLFT4 +10% | 0.68 (CI 0.51-0.82; PI 0.09-0.98; I2 86%) | 0.26 (CI 0.16-0.39; PI 0.02-0.83; I2 97%) | 0.38 |
| ULTSH -45%|LLFT4 +10% | 0.66 (CI 0.53-0.77; PI 0.17-0.95; I2 89%) | 0.36 (CI 0.22-0.53; PI 0.03-0.92; I2 97%) | 0.47 |
| ULTSH -40%|LLFT4 +10% | 0.65 (CI 0.53-0.76; PI 0.17-0.94; I2 91%) | 0.46 (CI 0.30-0.62; PI 0.04-0.95; I2 97%) | 0.52 |
| ULTSH -35%|LLFT4 +10% | 0.67 (CI 0.55-0.77; PI 0.19-0.94; I2 89%) | 0.55 (CI 0.39-0.71; PI 0.06-0.96; I2 96%) | 0.59 |
| ULTSH -30%|LLFT4 +10% | 0.66 (CI 0.53-0.77; PI 0.16-0.95; I2 89%) | 0.59 (CI 0.45-0.71; PI 0.11-0.94; I2 95%) | 0.62 |
| ULTSH -25%|LLFT4 +10% | 0.68 (CI 0.54-0.80; PI 0.14-0.97; I2 91%) | 0.62 (CI 0.49-0.73; PI 0.14-0.94; I2 94%) | 0.65 |
| ULTSH -20%|LLFT4 +10% | 0.67 (CI 0.52-0.80; PI 0.11-0.97; I2 93%) | 0.69 (CI 0.52-0.82; PI 0.09-0.98; I2 92%) | 0.69 |
| ULTSH -15%|LLFT4 +10% | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 93%) | 0.68 (CI 0.50-0.82; PI 0.08-0.98; I2 92%) | 0.66 |
| ULTSH -10%|LLFT4 +10% | 0.59 (CI 0.42-0.73; PI 0.08-0.96; I2 93%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.61 |
| ULTSH -5%|LLFT4 +10% | 0.59 (CI 0.41-0.74; PI 0.06-0.97; I2 94%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.62 |
| ULTSH NP|LLFT4 +10% | 0.59 (CI 0.38-0.77; PI 0.03-0.98; I2 93%) | 0.69 (CI 0.47-0.85; PI 0.04-0.99; I2 92%) | 0.64 |
| ULTSH -50%|LLFT4 +15% | 0.65 (CI 0.47-0.80; PI 0.07-0.98; I2 87%) | 0.26 (CI 0.16-0.40; PI 0.02-0.84; I2 97%) | 0.37 |
| ULTSH -45%|LLFT4 +15% | 0.62 (CI 0.49-0.74; PI 0.13-0.95; I2 89%) | 0.37 (CI 0.23-0.54; PI 0.03-0.92; I2 97%) | 0.46 |
| ULTSH -40%|LLFT4 +15% | 0.62 (CI 0.49-0.74; PI 0.14-0.94; I2 91%) | 0.47 (CI 0.30-0.65; PI 0.04-0.95; I2 97%) | 0.52 |
| ULTSH -35%|LLFT4 +15% | 0.64 (CI 0.51-0.75; PI 0.17-0.94; I2 89%) | 0.57 (CI 0.40-0.72; PI 0.07-0.96; I2 96%) | 0.59 |
| ULTSH -30%|LLFT4 +15% | 0.63 (CI 0.50-0.74; PI 0.15-0.94; I2 89%) | 0.60 (CI 0.45-0.73; PI 0.11-0.95; I2 95%) | 0.61 |
| ULTSH -25%|LLFT4 +15% | 0.64 (CI 0.51-0.75; PI 0.15-0.95; I2 91%) | 0.63 (CI 0.50-0.75; PI 0.14-0.95; I2 94%) | 0.64 |
| ULTSH -20%|LLFT4 +15% | 0.64 (CI 0.49-0.77; PI 0.12-0.96; I2 92%) | 0.69 (CI 0.52-0.82; PI 0.09-0.98; I2 92%) | 0.67 |
| ULTSH -15%|LLFT4 +15% | 0.61 (CI 0.46-0.75; PI 0.10-0.96; I2 92%) | 0.68 (CI 0.51-0.82; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH -10%|LLFT4 +15% | 0.57 (CI 0.41-0.71; PI 0.09-0.95; I2 92%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 91%) | 0.60 |
| ULTSH -5%|LLFT4 +15% | 0.57 (CI 0.41-0.71; PI 0.07-0.96; I2 93%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.61 |
| ULTSH NP|LLFT4 +15% | 0.57 (CI 0.37-0.75; PI 0.04-0.98; I2 93%) | 0.69 (CI 0.47-0.85; PI 0.04-0.99; I2 92%) | 0.63 |
| ULTSH -50%|LLFT4 +20% | 0.61 (CI 0.41-0.78; PI 0.04-0.98; I2 88%) | 0.26 (CI 0.16-0.40; PI 0.02-0.85; I2 97%) | 0.36 |
| ULTSH -45%|LLFT4 +20% | 0.58 (CI 0.43-0.72; PI 0.09-0.95; I2 91%) | 0.36 (CI 0.22-0.54; PI 0.03-0.93; I2 97%) | 0.44 |
| ULTSH -40%|LLFT4 +20% | 0.59 (CI 0.44-0.72; PI 0.10-0.95; I2 92%) | 0.47 (CI 0.30-0.64; PI 0.04-0.95; I2 96%) | 0.50 |
| ULTSH -35%|LLFT4 +20% | 0.60 (CI 0.47-0.72; PI 0.13-0.94; I2 90%) | 0.57 (CI 0.40-0.72; PI 0.06-0.96; I2 95%) | 0.58 |
| ULTSH -30%|LLFT4 +20% | 0.59 (CI 0.46-0.70; PI 0.13-0.93; I2 89%) | 0.61 (CI 0.46-0.74; PI 0.11-0.95; I2 95%) | 0.60 |
| ULTSH -25%|LLFT4 +20% | 0.59 (CI 0.47-0.71; PI 0.15-0.92; I2 90%) | 0.64 (CI 0.50-0.75; PI 0.14-0.95; I2 94%) | 0.62 |
| ULTSH -20%|LLFT4 +20% | 0.59 (CI 0.46-0.72; PI 0.12-0.94; I2 90%) | 0.70 (CI 0.52-0.83; PI 0.09-0.98; I2 92%) | 0.64 |
| ULTSH -15%|LLFT4 +20% | 0.57 (CI 0.43-0.69; PI 0.11-0.93; I2 90%) | 0.68 (CI 0.50-0.81; PI 0.08-0.98; I2 91%) | 0.61 |
| ULTSH -10%|LLFT4 +20% | 0.53 (CI 0.39-0.66; PI 0.10-0.92; I2 91%) | 0.65 (CI 0.48-0.79; PI 0.09-0.97; I2 90%) | 0.58 |
| ULTSH -5%|LLFT4 +20% | 0.53 (CI 0.39-0.67; PI 0.08-0.93; I2 92%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.59 |
| ULTSH NP|LLFT4 +20% | 0.53 (CI 0.36-0.69; PI 0.05-0.96; I2 93%) | 0.68 (CI 0.47-0.84; PI 0.04-0.99; I2 91%) | 0.59 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 21 – Diagnostic performance for treatment indication with absolute modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.57 (CI 0.42-0.71; PI 0.09-0.95; I2 88%) | 0.90 (CI 0.83-0.95; PI 0.52-0.99; I2 69%) | 0.67 |
| ULTSH -0.2|LLFT4 -5 | 0.60 (CI 0.45-0.74; PI 0.11-0.95; I2 89%) | 0.89 (CI 0.81-0.94; PI 0.42-0.99; I2 74%) | 0.68 |
| ULTSH -0.3|LLFT4 -5 | 0.63 (CI 0.47-0.76; PI 0.11-0.96; I2 89%) | 0.89 (CI 0.80-0.94; PI 0.40-0.99; I2 75%) | 0.70 |
| ULTSH -0.4|LLFT4 -5 | 0.63 (CI 0.48-0.76; PI 0.13-0.95; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.36-0.99; I2 77%) | 0.70 |
| ULTSH -0.5|LLFT4 -5 | 0.66 (CI 0.51-0.78; PI 0.15-0.96; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 79%) | 0.71 |
| ULTSH -0.6|LLFT4 -5 | 0.69 (CI 0.53-0.80; PI 0.14-0.97; I2 90%) | 0.87 (CI 0.76-0.93; PI 0.32-0.99; I2 79%) | 0.72 |
| ULTSH -0.7|LLFT4 -5 | 0.73 (CI 0.58-0.84; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.26-0.99; I2 81%) | 0.73 |
| ULTSH -0.8|LLFT4 -5 | 0.76 (CI 0.60-0.86; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.72-0.92; PI 0.25-0.99; I2 83%) | 0.75 |
| ULTSH -0.9|LLFT4 -5 | 0.79 (CI 0.64-0.89; PI 0.16-0.99; I2 88%) | 0.83 (CI 0.71-0.91; PI 0.24-0.99; I2 86%) | 0.76 |
| ULTSH -1.0|LLFT4 -5 | 0.80 (CI 0.66-0.89; PI 0.19-0.99; I2 87%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 88%) | 0.76 |
| ULTSH -0.1|LLFT4 -4 | 0.57 (CI 0.42-0.72; PI 0.09-0.95; I2 89%) | 0.90 (CI 0.83-0.95; PI 0.52-0.99; I2 69%) | 0.67 |
| ULTSH -0.2|LLFT4 -4 | 0.60 (CI 0.45-0.74; PI 0.11-0.95; I2 89%) | 0.89 (CI 0.81-0.94; PI 0.42-0.99; I2 74%) | 0.69 |
| ULTSH -0.3|LLFT4 -4 | 0.63 (CI 0.47-0.76; PI 0.11-0.96; I2 89%) | 0.89 (CI 0.80-0.94; PI 0.39-0.99; I2 75%) | 0.70 |
| ULTSH -0.4|LLFT4 -4 | 0.64 (CI 0.49-0.77; PI 0.12-0.96; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.36-0.99; I2 78%) | 0.70 |
| ULTSH -0.5|LLFT4 -4 | 0.66 (CI 0.51-0.78; PI 0.14-0.96; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 79%) | 0.71 |
| ULTSH -0.6|LLFT4 -4 | 0.69 (CI 0.54-0.81; PI 0.14-0.97; I2 90%) | 0.87 (CI 0.76-0.93; PI 0.32-0.99; I2 79%) | 0.72 |
| ULTSH -0.7|LLFT4 -4 | 0.73 (CI 0.58-0.85; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.26-0.99; I2 81%) | 0.73 |
| ULTSH -0.8|LLFT4 -4 | 0.76 (CI 0.61-0.87; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.25-0.99; I2 83%) | 0.75 |
| ULTSH -0.9|LLFT4 -4 | 0.80 (CI 0.65-0.89; PI 0.16-0.99; I2 88%) | 0.83 (CI 0.71-0.91; PI 0.25-0.99; I2 86%) | 0.76 |
| ULTSH -1.0|LLFT4 -4 | 0.80 (CI 0.67-0.89; PI 0.19-0.99; I2 87%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 88%) | 0.76 |
| ULTSH -0.1|LLFT4 -3 | 0.57 (CI 0.42-0.72; PI 0.09-0.95; I2 89%) | 0.90 (CI 0.83-0.95; PI 0.52-0.99; I2 69%) | 0.67 |
| ULTSH -0.2|LLFT4 -3 | 0.60 (CI 0.45-0.74; PI 0.11-0.95; I2 89%) | 0.89 (CI 0.81-0.94; PI 0.42-0.99; I2 74%) | 0.69 |
| ULTSH -0.3|LLFT4 -3 | 0.63 (CI 0.47-0.77; PI 0.11-0.96; I2 89%) | 0.89 (CI 0.80-0.94; PI 0.39-0.99; I2 75%) | 0.70 |
| ULTSH -0.4|LLFT4 -3 | 0.64 (CI 0.49-0.77; PI 0.12-0.96; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 78%) | 0.70 |
| ULTSH -0.5|LLFT4 -3 | 0.66 (CI 0.52-0.79; PI 0.14-0.96; I2 89%) | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 79%) | 0.71 |
| ULTSH -0.6|LLFT4 -3 | 0.69 (CI 0.54-0.81; PI 0.14-0.97; I2 90%) | 0.87 (CI 0.76-0.93; PI 0.33-0.99; I2 79%) | 0.73 |
| ULTSH -0.7|LLFT4 -3 | 0.74 (CI 0.58-0.85; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.26-0.99; I2 81%) | 0.74 |
| ULTSH -0.8|LLFT4 -3 | 0.76 (CI 0.61-0.87; PI 0.15-0.98; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.25-0.99; I2 83%) | 0.75 |
| ULTSH -0.9|LLFT4 -3 | 0.80 (CI 0.65-0.90; PI 0.16-0.99; I2 88%) | 0.83 (CI 0.71-0.91; PI 0.25-0.99; I2 86%) | 0.76 |
| ULTSH -1.0|LLFT4 -3 | 0.81 (CI 0.67-0.90; PI 0.19-0.99; I2 87%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 87%) | 0.76 |
| ULTSH -0.1|LLFT4 -2 | 0.58 (CI 0.42-0.73; PI 0.09-0.95; I2 89%) | 0.90 (CI 0.82-0.94; PI 0.53-0.99; I2 69%) | 0.68 |
| ULTSH -0.2|LLFT4 -2 | 0.62 (CI 0.46-0.76; PI 0.10-0.96; I2 89%) | 0.89 (CI 0.80-0.94; PI 0.44-0.99; I2 74%) | 0.69 |
| ULTSH -0.3|LLFT4 -2 | 0.66 (CI 0.48-0.81; PI 0.08-0.98; I2 88%) | 0.89 (CI 0.80-0.94; PI 0.41-0.99; I2 75%) | 0.71 |
| ULTSH -0.4|LLFT4 -2 | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 88%) | 0.88 (CI 0.78-0.94; PI 0.36-0.99; I2 77%) | 0.71 |
| ULTSH -0.5|LLFT4 -2 | 0.69 (CI 0.52-0.83; PI 0.10-0.98; I2 88%) | 0.88 (CI 0.78-0.93; PI 0.35-0.99; I2 79%) | 0.72 |
| ULTSH -0.6|LLFT4 -2 | 0.72 (CI 0.54-0.85; PI 0.10-0.98; I2 89%) | 0.87 (CI 0.76-0.93; PI 0.32-0.99; I2 79%) | 0.73 |
| ULTSH -0.7|LLFT4 -2 | 0.77 (CI 0.60-0.89; PI 0.11-0.99; I2 90%) | 0.85 (CI 0.73-0.92; PI 0.26-0.99; I2 81%) | 0.74 |
| ULTSH -0.8|LLFT4 -2 | 0.80 (CI 0.62-0.90; PI 0.11-0.99; I2 89%) | 0.84 (CI 0.72-0.92; PI 0.24-0.99; I2 83%) | 0.75 |
| ULTSH -0.9|LLFT4 -2 | 0.83 (CI 0.67-0.92; PI 0.12-0.99; I2 87%) | 0.83 (CI 0.71-0.91; PI 0.24-0.99; I2 86%) | 0.76 |
| ULTSH -1.0|LLFT4 -2 | 0.84 (CI 0.69-0.92; PI 0.15-0.99; I2 86%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 88%) | 0.76 |
| ULTSH -0.1|LLFT4 -1 | 0.59 (CI 0.43-0.74; PI 0.09-0.96; I2 89%) | 0.90 (CI 0.82-0.94; PI 0.53-0.98; I2 69%) | 0.68 |
| ULTSH -0.2|LLFT4 -1 | 0.63 (CI 0.46-0.77; PI 0.10-0.96; I2 90%) | 0.88 (CI 0.80-0.94; PI 0.44-0.99; I2 74%) | 0.69 |
| ULTSH -0.3|LLFT4 -1 | 0.67 (CI 0.48-0.82; PI 0.07-0.98; I2 88%) | 0.88 (CI 0.80-0.94; PI 0.41-0.99; I2 75%) | 0.72 |
| ULTSH -0.4|LLFT4 -1 | 0.68 (CI 0.49-0.82; PI 0.08-0.98; I2 88%) | 0.87 (CI 0.78-0.93; PI 0.36-0.99; I2 77%) | 0.71 |
| ULTSH -0.5|LLFT4 -1 | 0.70 (CI 0.53-0.84; PI 0.09-0.98; I2 89%) | 0.87 (CI 0.77-0.93; PI 0.34-0.99; I2 79%) | 0.72 |
| ULTSH -0.6|LLFT4 -1 | 0.74 (CI 0.55-0.87; PI 0.08-0.99; I2 89%) | 0.86 (CI 0.76-0.93; PI 0.31-0.99; I2 79%) | 0.73 |
| ULTSH -0.7|LLFT4 -1 | 0.79 (CI 0.60-0.90; PI 0.09-0.99; I2 89%) | 0.85 (CI 0.73-0.92; PI 0.25-0.99; I2 82%) | 0.74 |
| ULTSH -0.8|LLFT4 -1 | 0.81 (CI 0.63-0.92; PI 0.09-0.99; I2 89%) | 0.84 (CI 0.72-0.92; PI 0.24-0.99; I2 83%) | 0.76 |
| ULTSH -0.9|LLFT4 -1 | 0.85 (CI 0.68-0.94; PI 0.10-1.00; I2 86%) | 0.83 (CI 0.70-0.91; PI 0.24-0.99; I2 87%) | 0.76 |
| ULTSH -1.0|LLFT4 -1 | 0.86 (CI 0.70-0.94; PI 0.12-1.00; I2 85%) | 0.82 (CI 0.69-0.91; PI 0.21-0.99; I2 88%) | 0.76 |
| ULTSH -0.1|LLFT4 +0 | 0.62 (CI 0.44-0.78; PI 0.07-0.97; I2 89%) | 0.88 (CI 0.80-0.93; PI 0.47-0.98; I2 68%) | 0.68 |
| ULTSH -0.2|LLFT4 +0 | 0.66 (CI 0.47-0.80; PI 0.08-0.98; I2 90%) | 0.87 (CI 0.78-0.93; PI 0.41-0.98; I2 72%) | 0.69 |
| ULTSH -0.3|LLFT4 +0 | 0.71 (CI 0.50-0.85; PI 0.06-0.99; I2 89%) | 0.86 (CI 0.77-0.93; PI 0.38-0.99; I2 73%) | 0.71 |
| ULTSH -0.4|LLFT4 +0 | 0.72 (CI 0.51-0.86; PI 0.07-0.99; I2 88%) | 0.86 (CI 0.75-0.92; PI 0.32-0.99; I2 75%) | 0.70 |
| ULTSH -0.5|LLFT4 +0 | 0.74 (CI 0.55-0.87; PI 0.08-0.99; I2 89%) | 0.84 (CI 0.73-0.92; PI 0.26-0.99; I2 79%) | 0.71 |
| ULTSH -0.6|LLFT4 +0 | 0.78 (CI 0.58-0.90; PI 0.07-0.99; I2 89%) | 0.83 (CI 0.70-0.91; PI 0.21-0.99; I2 80%) | 0.71 |
| ULTSH -0.7|LLFT4 +0 | 0.83 (CI 0.63-0.93; PI 0.08-1.00; I2 89%) | 0.82 (CI 0.68-0.91; PI 0.18-0.99; I2 82%) | 0.72 |
| ULTSH -0.8|LLFT4 +0 | 0.85 (CI 0.66-0.94; PI 0.09-1.00; I2 89%) | 0.81 (CI 0.67-0.90; PI 0.17-0.99; I2 83%) | 0.73 |
| ULTSH -0.9|LLFT4 +0 | 0.89 (CI 0.71-0.96; PI 0.09-1.00; I2 85%) | 0.80 (CI 0.65-0.89; PI 0.17-0.99; I2 87%) | 0.74 |
| ULTSH -1.0|LLFT4 +0 | 0.89 (CI 0.73-0.96; PI 0.11-1.00; I2 84%) | 0.79 (CI 0.64-0.89; PI 0.14-0.99; I2 89%) | 0.74 |
| ULTSH -0.1|LLFT4 +1 | 0.65 (CI 0.44-0.82; PI 0.05-0.99; I2 89%) | 0.85 (CI 0.76-0.91; PI 0.44-0.98; I2 71%) | 0.68 |
| ULTSH -0.2|LLFT4 +1 | 0.69 (CI 0.49-0.84; PI 0.06-0.99; I2 89%) | 0.84 (CI 0.75-0.90; PI 0.41-0.98; I2 74%) | 0.69 |
| ULTSH -0.3|LLFT4 +1 | 0.74 (CI 0.51-0.89; PI 0.04-0.99; I2 88%) | 0.84 (CI 0.74-0.90; PI 0.38-0.98; I2 75%) | 0.70 |
| ULTSH -0.4|LLFT4 +1 | 0.75 (CI 0.53-0.89; PI 0.05-0.99; I2 87%) | 0.83 (CI 0.72-0.90; PI 0.34-0.98; I2 77%) | 0.69 |
| ULTSH -0.5|LLFT4 +1 | 0.77 (CI 0.57-0.90; PI 0.07-0.99; I2 88%) | 0.81 (CI 0.70-0.89; PI 0.29-0.98; I2 81%) | 0.70 |
| ULTSH -0.6|LLFT4 +1 | 0.81 (CI 0.60-0.92; PI 0.06-1.00; I2 88%) | 0.80 (CI 0.68-0.89; PI 0.23-0.98; I2 82%) | 0.70 |
| ULTSH -0.7|LLFT4 +1 | 0.85 (CI 0.66-0.95; PI 0.07-1.00; I2 89%) | 0.79 (CI 0.65-0.88; PI 0.19-0.98; I2 86%) | 0.70 |
| ULTSH -0.8|LLFT4 +1 | 0.87 (CI 0.69-0.96; PI 0.07-1.00; I2 88%) | 0.78 (CI 0.64-0.88; PI 0.18-0.98; I2 87%) | 0.71 |
| ULTSH -0.9|LLFT4 +1 | 0.93 (CI 0.75-0.98; PI 0.05-1.00; I2 77%) | 0.77 (CI 0.61-0.87; PI 0.15-0.98; I2 89%) | 0.72 |
| ULTSH -1.0|LLFT4 +1 | 0.93 (CI 0.76-0.98; PI 0.06-1.00; I2 75%) | 0.75 (CI 0.59-0.86; PI 0.13-0.98; I2 90%) | 0.71 |
| ULTSH -0.1|LLFT4 +2 | 0.68 (CI 0.44-0.86; PI 0.03-0.99; I2 86%) | 0.78 (CI 0.68-0.86; PI 0.33-0.96; I2 76%) | 0.64 |
| ULTSH -0.2|LLFT4 +2 | 0.72 (CI 0.49-0.87; PI 0.04-0.99; I2 87%) | 0.77 (CI 0.66-0.86; PI 0.30-0.97; I2 78%) | 0.65 |
| ULTSH -0.3|LLFT4 +2 | 0.78 (CI 0.52-0.92; PI 0.03-1.00; I2 85%) | 0.77 (CI 0.65-0.86; PI 0.28-0.97; I2 79%) | 0.65 |
| ULTSH -0.4|LLFT4 +2 | 0.78 (CI 0.53-0.92; PI 0.03-1.00; I2 84%) | 0.76 (CI 0.63-0.86; PI 0.24-0.97; I2 81%) | 0.65 |
| ULTSH -0.5|LLFT4 +2 | 0.81 (CI 0.57-0.93; PI 0.04-1.00; I2 85%) | 0.74 (CI 0.60-0.85; PI 0.19-0.97; I2 83%) | 0.66 |
| ULTSH -0.6|LLFT4 +2 | 0.84 (CI 0.60-0.95; PI 0.03-1.00; I2 86%) | 0.73 (CI 0.58-0.84; PI 0.15-0.98; I2 85%) | 0.66 |
| ULTSH -0.7|LLFT4 +2 | 0.89 (CI 0.67-0.97; PI 0.04-1.00; I2 87%) | 0.72 (CI 0.55-0.84; PI 0.12-0.98; I2 88%) | 0.65 |
| ULTSH -0.8|LLFT4 +2 | 0.91 (CI 0.70-0.97; PI 0.04-1.00; I2 86%) | 0.71 (CI 0.54-0.83; PI 0.11-0.98; I2 89%) | 0.65 |
| ULTSH -0.9|LLFT4 +2 | 0.96 (CI 0.77-0.99; PI 0.02-1.00; I2 62%) | 0.70 (CI 0.52-0.83; PI 0.09-0.98; I2 90%) | 0.65 |
| ULTSH -1.0|LLFT4 +2 | 0.96 (CI 0.78-0.99; PI 0.03-1.00; I2 60%) | 0.68 (CI 0.49-0.83; PI 0.07-0.98; I2 91%) | 0.65 |
| ULTSH -0.1|LLFT4 +3 | 0.68 (CI 0.44-0.86; PI 0.03-0.99; I2 86%) | 0.69 (CI 0.54-0.81; PI 0.16-0.96; I2 79%) | 0.59 |
| ULTSH -0.2|LLFT4 +3 | 0.72 (CI 0.49-0.87; PI 0.04-0.99; I2 87%) | 0.68 (CI 0.53-0.80; PI 0.15-0.96; I2 81%) | 0.59 |
| ULTSH -0.3|LLFT4 +3 | 0.78 (CI 0.52-0.92; PI 0.03-1.00; I2 85%) | 0.68 (CI 0.52-0.80; PI 0.14-0.96; I2 82%) | 0.60 |
| ULTSH -0.4|LLFT4 +3 | 0.78 (CI 0.53-0.92; PI 0.03-1.00; I2 84%) | 0.67 (CI 0.51-0.80; PI 0.12-0.97; I2 84%) | 0.61 |
| ULTSH -0.5|LLFT4 +3 | 0.81 (CI 0.57-0.93; PI 0.04-1.00; I2 85%) | 0.66 (CI 0.49-0.80; PI 0.10-0.97; I2 86%) | 0.61 |
| ULTSH -0.6|LLFT4 +3 | 0.84 (CI 0.60-0.95; PI 0.03-1.00; I2 86%) | 0.64 (CI 0.46-0.79; PI 0.08-0.97; I2 87%) | 0.60 |
| ULTSH -0.7|LLFT4 +3 | 0.89 (CI 0.67-0.97; PI 0.04-1.00; I2 87%) | 0.62 (CI 0.44-0.78; PI 0.07-0.97; I2 90%) | 0.59 |
| ULTSH -0.8|LLFT4 +3 | 0.91 (CI 0.70-0.97; PI 0.04-1.00; I2 85%) | 0.61 (CI 0.43-0.77; PI 0.07-0.97; I2 91%) | 0.59 |
| ULTSH -0.9|LLFT4 +3 | 0.96 (CI 0.77-0.99; PI 0.02-1.00; I2 62%) | 0.60 (CI 0.41-0.76; PI 0.06-0.97; I2 91%) | 0.59 |
| ULTSH -1.0|LLFT4 +3 | 0.96 (CI 0.78-0.99; PI 0.03-1.00; I2 60%) | 0.59 (CI 0.39-0.76; PI 0.04-0.98; I2 92%) | 0.58 |
| ULTSH -0.1|LLFT4 +4 | 0.69 (CI 0.45-0.86; PI 0.03-0.99; I2 86%) | 0.63 (CI 0.48-0.76; PI 0.12-0.95; I2 82%) | 0.56 |
| ULTSH -0.2|LLFT4 +4 | 0.72 (CI 0.49-0.87; PI 0.04-0.99; I2 87%) | 0.62 (CI 0.46-0.75; PI 0.12-0.95; I2 84%) | 0.56 |
| ULTSH -0.3|LLFT4 +4 | 0.78 (CI 0.52-0.92; PI 0.03-1.00; I2 84%) | 0.62 (CI 0.46-0.76; PI 0.10-0.96; I2 85%) | 0.57 |
| ULTSH -0.4|LLFT4 +4 | 0.78 (CI 0.53-0.92; PI 0.03-1.00; I2 84%) | 0.61 (CI 0.44-0.76; PI 0.09-0.96; I2 87%) | 0.57 |
| ULTSH -0.5|LLFT4 +4 | 0.81 (CI 0.58-0.93; PI 0.04-1.00; I2 85%) | 0.59 (CI 0.41-0.75; PI 0.07-0.97; I2 88%) | 0.56 |
| ULTSH -0.6|LLFT4 +4 | 0.84 (CI 0.60-0.95; PI 0.03-1.00; I2 86%) | 0.57 (CI 0.38-0.74; PI 0.05-0.97; I2 89%) | 0.55 |
| ULTSH -0.7|LLFT4 +4 | 0.89 (CI 0.67-0.97; PI 0.04-1.00; I2 86%) | 0.56 (CI 0.37-0.72; PI 0.05-0.97; I2 91%) | 0.55 |
| ULTSH -0.8|LLFT4 +4 | 0.91 (CI 0.71-0.97; PI 0.05-1.00; I2 85%) | 0.53 (CI 0.36-0.70; PI 0.05-0.96; I2 92%) | 0.54 |
| ULTSH -0.9|LLFT4 +4 | 0.96 (CI 0.77-0.99; PI 0.03-1.00; I2 62%) | 0.52 (CI 0.35-0.69; PI 0.05-0.96; I2 92%) | 0.54 |
| ULTSH -1.0|LLFT4 +4 | 0.96 (CI 0.78-0.99; PI 0.03-1.00; I2 59%) | 0.50 (CI 0.32-0.69; PI 0.04-0.96; I2 93%) | 0.53 |
| ULTSH -0.1|LLFT4 +5 | 0.69 (CI 0.45-0.86; PI 0.03-0.99; I2 86%) | 0.57 (CI 0.44-0.70; PI 0.13-0.92; I2 84%) | 0.53 |
| ULTSH -0.2|LLFT4 +5 | 0.72 (CI 0.49-0.87; PI 0.04-0.99; I2 87%) | 0.55 (CI 0.41-0.68; PI 0.12-0.92; I2 86%) | 0.53 |
| ULTSH -0.3|LLFT4 +5 | 0.78 (CI 0.52-0.92; PI 0.03-1.00; I2 84%) | 0.55 (CI 0.41-0.69; PI 0.10-0.93; I2 87%) | 0.54 |
| ULTSH -0.4|LLFT4 +5 | 0.78 (CI 0.53-0.92; PI 0.03-1.00; I2 84%) | 0.54 (CI 0.39-0.69; PI 0.08-0.94; I2 89%) | 0.54 |
| ULTSH -0.5|LLFT4 +5 | 0.81 (CI 0.58-0.93; PI 0.04-1.00; I2 85%) | 0.51 (CI 0.36-0.67; PI 0.07-0.94; I2 90%) | 0.53 |
| ULTSH -0.6|LLFT4 +5 | 0.84 (CI 0.60-0.95; PI 0.03-1.00; I2 86%) | 0.49 (CI 0.33-0.66; PI 0.05-0.95; I2 91%) | 0.52 |
| ULTSH -0.7|LLFT4 +5 | 0.89 (CI 0.67-0.97; PI 0.04-1.00; I2 86%) | 0.48 (CI 0.32-0.64; PI 0.05-0.94; I2 92%) | 0.51 |
| ULTSH -0.8|LLFT4 +5 | 0.91 (CI 0.71-0.97; PI 0.05-1.00; I2 85%) | 0.46 (CI 0.31-0.62; PI 0.05-0.93; I2 93%) | 0.50 |
| ULTSH -0.9|LLFT4 +5 | 0.96 (CI 0.77-0.99; PI 0.03-1.00; I2 62%) | 0.45 (CI 0.30-0.61; PI 0.05-0.93; I2 93%) | 0.50 |
| ULTSH -1.0|LLFT4 +5 | 0.96 (CI 0.78-0.99; PI 0.03-1.00; I2 59%) | 0.43 (CI 0.28-0.59; PI 0.04-0.93; I2 94%) | 0.49 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 22 – Diagnostic performance for treatment consideration with absolute modifications in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 94%) | 0.64 (CI 0.47-0.79; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH -0.2|LLFT4 -5 | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 94%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.3|LLFT4 -5 | 0.67 (CI 0.44-0.85; PI 0.03-0.99; I2 93%) | 0.64 (CI 0.47-0.77; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.4|LLFT4 -5 | 0.65 (CI 0.44-0.82; PI 0.04-0.99; I2 93%) | 0.62 (CI 0.47-0.76; PI 0.10-0.96; I2 91%) | 0.62 |
| ULTSH -0.5|LLFT4 -5 | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 94%) | 0.63 (CI 0.47-0.76; PI 0.09-0.96; I2 92%) | 0.64 |
| ULTSH -0.6|LLFT4 -5 | 0.71 (CI 0.50-0.85; PI 0.05-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 93%) | 0.67 |
| ULTSH -0.7|LLFT4 -5 | 0.69 (CI 0.51-0.82; PI 0.09-0.98; I2 94%) | 0.64 (CI 0.47-0.77; PI 0.09-0.97; I2 93%) | 0.66 |
| ULTSH -0.8|LLFT4 -5 | 0.72 (CI 0.53-0.85; PI 0.08-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.09-0.97; I2 92%) | 0.68 |
| ULTSH -0.9|LLFT4 -5 | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 93%) | 0.61 (CI 0.46-0.74; PI 0.11-0.95; I2 94%) | 0.65 |
| ULTSH -1.0|LLFT4 -5 | 0.71 (CI 0.54-0.84; PI 0.09-0.98; I2 92%) | 0.58 (CI 0.45-0.71; PI 0.12-0.93; I2 94%) | 0.63 |
| ULTSH -0.1|LLFT4 -4 | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 94%) | 0.64 (CI 0.47-0.79; PI 0.08-0.98; I2 93%) | 0.64 |
| ULTSH -0.2|LLFT4 -4 | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 94%) | 0.65 (CI 0.48-0.78; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.3|LLFT4 -4 | 0.67 (CI 0.44-0.85; PI 0.03-0.99; I2 93%) | 0.64 (CI 0.48-0.77; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.4|LLFT4 -4 | 0.65 (CI 0.44-0.82; PI 0.04-0.99; I2 93%) | 0.63 (CI 0.47-0.76; PI 0.10-0.96; I2 91%) | 0.63 |
| ULTSH -0.5|LLFT4 -4 | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 94%) | 0.63 (CI 0.47-0.76; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.6|LLFT4 -4 | 0.71 (CI 0.50-0.85; PI 0.05-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 93%) | 0.67 |
| ULTSH -0.7|LLFT4 -4 | 0.69 (CI 0.51-0.82; PI 0.09-0.98; I2 94%) | 0.64 (CI 0.47-0.77; PI 0.09-0.97; I2 93%) | 0.66 |
| ULTSH -0.8|LLFT4 -4 | 0.72 (CI 0.53-0.85; PI 0.08-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.09-0.97; I2 92%) | 0.68 |
| ULTSH -0.9|LLFT4 -4 | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 93%) | 0.61 (CI 0.46-0.74; PI 0.11-0.95; I2 94%) | 0.65 |
| ULTSH -1.0|LLFT4 -4 | 0.71 (CI 0.54-0.84; PI 0.09-0.98; I2 92%) | 0.58 (CI 0.45-0.71; PI 0.12-0.93; I2 94%) | 0.63 |
| ULTSH -0.1|LLFT4 -3 | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 94%) | 0.64 (CI 0.47-0.79; PI 0.08-0.98; I2 93%) | 0.64 |
| ULTSH -0.2|LLFT4 -3 | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 94%) | 0.65 (CI 0.48-0.78; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.3|LLFT4 -3 | 0.67 (CI 0.44-0.85; PI 0.03-0.99; I2 93%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.4|LLFT4 -3 | 0.65 (CI 0.44-0.82; PI 0.04-0.99; I2 93%) | 0.63 (CI 0.47-0.76; PI 0.09-0.96; I2 91%) | 0.63 |
| ULTSH -0.5|LLFT4 -3 | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 94%) | 0.63 (CI 0.47-0.77; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.6|LLFT4 -3 | 0.71 (CI 0.50-0.85; PI 0.05-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 93%) | 0.67 |
| ULTSH -0.7|LLFT4 -3 | 0.69 (CI 0.51-0.82; PI 0.09-0.98; I2 94%) | 0.64 (CI 0.48-0.77; PI 0.09-0.97; I2 93%) | 0.66 |
| ULTSH -0.8|LLFT4 -3 | 0.72 (CI 0.53-0.85; PI 0.08-0.99; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.09-0.97; I2 93%) | 0.68 |
| ULTSH -0.9|LLFT4 -3 | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 93%) | 0.61 (CI 0.46-0.74; PI 0.11-0.95; I2 94%) | 0.65 |
| ULTSH -1.0|LLFT4 -3 | 0.71 (CI 0.54-0.84; PI 0.09-0.98; I2 92%) | 0.58 (CI 0.45-0.71; PI 0.12-0.93; I2 94%) | 0.63 |
| ULTSH -0.1|LLFT4 -2 | 0.63 (CI 0.42-0.80; PI 0.04-0.99; I2 94%) | 0.65 (CI 0.47-0.79; PI 0.07-0.98; I2 93%) | 0.64 |
| ULTSH -0.2|LLFT4 -2 | 0.64 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH -0.3|LLFT4 -2 | 0.65 (CI 0.44-0.82; PI 0.04-0.99; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 92%) | 0.65 |
| ULTSH -0.4|LLFT4 -2 | 0.64 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.64 (CI 0.47-0.77; PI 0.09-0.97; I2 91%) | 0.63 |
| ULTSH -0.5|LLFT4 -2 | 0.67 (CI 0.47-0.82; PI 0.06-0.98; I2 94%) | 0.64 (CI 0.47-0.77; PI 0.09-0.97; I2 92%) | 0.64 |
| ULTSH -0.6|LLFT4 -2 | 0.70 (CI 0.50-0.85; PI 0.06-0.99; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.97; I2 93%) | 0.67 |
| ULTSH -0.7|LLFT4 -2 | 0.68 (CI 0.51-0.82; PI 0.09-0.98; I2 94%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 93%) | 0.66 |
| ULTSH -0.8|LLFT4 -2 | 0.71 (CI 0.53-0.85; PI 0.08-0.99; I2 93%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 93%) | 0.68 |
| ULTSH -0.9|LLFT4 -2 | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 93%) | 0.61 (CI 0.46-0.74; PI 0.11-0.95; I2 94%) | 0.65 |
| ULTSH -1.0|LLFT4 -2 | 0.71 (CI 0.53-0.84; PI 0.09-0.98; I2 91%) | 0.58 (CI 0.45-0.71; PI 0.12-0.94; I2 94%) | 0.63 |
| ULTSH -0.1|LLFT4 -1 | 0.63 (CI 0.42-0.80; PI 0.04-0.99; I2 94%) | 0.65 (CI 0.47-0.80; PI 0.07-0.98; I2 93%) | 0.64 |
| ULTSH -0.2|LLFT4 -1 | 0.63 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH -0.3|LLFT4 -1 | 0.65 (CI 0.44-0.81; PI 0.04-0.99; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 92%) | 0.65 |
| ULTSH -0.4|LLFT4 -1 | 0.64 (CI 0.44-0.80; PI 0.05-0.98; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 91%) | 0.63 |
| ULTSH -0.5|LLFT4 -1 | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 94%) | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 92%) | 0.65 |
| ULTSH -0.6|LLFT4 -1 | 0.70 (CI 0.50-0.84; PI 0.06-0.99; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.07-0.98; I2 93%) | 0.68 |
| ULTSH -0.7|LLFT4 -1 | 0.68 (CI 0.51-0.81; PI 0.09-0.98; I2 94%) | 0.65 (CI 0.48-0.78; PI 0.09-0.97; I2 93%) | 0.66 |
| ULTSH -0.8|LLFT4 -1 | 0.71 (CI 0.53-0.85; PI 0.08-0.99; I2 93%) | 0.65 (CI 0.48-0.79; PI 0.08-0.97; I2 93%) | 0.69 |
| ULTSH -0.9|LLFT4 -1 | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 92%) | 0.61 (CI 0.47-0.74; PI 0.11-0.95; I2 94%) | 0.65 |
| ULTSH -1.0|LLFT4 -1 | 0.71 (CI 0.53-0.84; PI 0.09-0.98; I2 91%) | 0.59 (CI 0.45-0.71; PI 0.12-0.94; I2 94%) | 0.63 |
| ULTSH -0.1|LLFT4 +0 | 0.62 (CI 0.41-0.78; PI 0.04-0.98; I2 94%) | 0.66 (CI 0.48-0.80; PI 0.07-0.98; I2 93%) | 0.63 |
| ULTSH -0.2|LLFT4 +0 | 0.61 (CI 0.43-0.77; PI 0.06-0.98; I2 94%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 92%) | 0.63 |
| ULTSH -0.3|LLFT4 +0 | 0.62 (CI 0.43-0.77; PI 0.06-0.98; I2 94%) | 0.66 (CI 0.48-0.81; PI 0.07-0.98; I2 91%) | 0.63 |
| ULTSH -0.4|LLFT4 +0 | 0.61 (CI 0.44-0.76; PI 0.07-0.97; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.62 |
| ULTSH -0.5|LLFT4 +0 | 0.63 (CI 0.46-0.77; PI 0.08-0.97; I2 94%) | 0.65 (CI 0.48-0.79; PI 0.08-0.97; I2 92%) | 0.63 |
| ULTSH -0.6|LLFT4 +0 | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 94%) | 0.66 (CI 0.49-0.81; PI 0.07-0.98; I2 93%) | 0.66 |
| ULTSH -0.7|LLFT4 +0 | 0.65 (CI 0.49-0.78; PI 0.10-0.97; I2 93%) | 0.65 (CI 0.49-0.79; PI 0.09-0.97; I2 93%) | 0.65 |
| ULTSH -0.8|LLFT4 +0 | 0.67 (CI 0.51-0.80; PI 0.10-0.98; I2 93%) | 0.65 (CI 0.49-0.79; PI 0.09-0.97; I2 92%) | 0.66 |
| ULTSH -0.9|LLFT4 +0 | 0.67 (CI 0.51-0.80; PI 0.10-0.98; I2 92%) | 0.62 (CI 0.47-0.75; PI 0.11-0.96; I2 94%) | 0.64 |
| ULTSH -1.0|LLFT4 +0 | 0.67 (CI 0.51-0.80; PI 0.11-0.97; I2 91%) | 0.59 (CI 0.46-0.72; PI 0.12-0.94; I2 94%) | 0.62 |
| ULTSH -0.1|LLFT4 +1 | 0.60 (CI 0.40-0.76; PI 0.05-0.98; I2 94%) | 0.66 (CI 0.48-0.81; PI 0.07-0.98; I2 93%) | 0.63 |
| ULTSH -0.2|LLFT4 +1 | 0.59 (CI 0.42-0.75; PI 0.06-0.97; I2 94%) | 0.67 (CI 0.49-0.81; PI 0.08-0.98; I2 92%) | 0.62 |
| ULTSH -0.3|LLFT4 +1 | 0.60 (CI 0.42-0.75; PI 0.07-0.97; I2 94%) | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 91%) | 0.62 |
| ULTSH -0.4|LLFT4 +1 | 0.59 (CI 0.42-0.74; PI 0.07-0.96; I2 93%) | 0.65 (CI 0.48-0.79; PI 0.08-0.98; I2 91%) | 0.61 |
| ULTSH -0.5|LLFT4 +1 | 0.61 (CI 0.45-0.75; PI 0.08-0.96; I2 93%) | 0.65 (CI 0.48-0.79; PI 0.09-0.97; I2 92%) | 0.62 |
| ULTSH -0.6|LLFT4 +1 | 0.63 (CI 0.47-0.78; PI 0.08-0.97; I2 93%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 92%) | 0.64 |
| ULTSH -0.7|LLFT4 +1 | 0.63 (CI 0.48-0.76; PI 0.10-0.96; I2 93%) | 0.66 (CI 0.49-0.79; PI 0.09-0.97; I2 93%) | 0.64 |
| ULTSH -0.8|LLFT4 +1 | 0.65 (CI 0.50-0.78; PI 0.11-0.97; I2 93%) | 0.66 (CI 0.49-0.80; PI 0.09-0.98; I2 92%) | 0.66 |
| ULTSH -0.9|LLFT4 +1 | 0.65 (CI 0.50-0.77; PI 0.11-0.96; I2 92%) | 0.63 (CI 0.48-0.76; PI 0.11-0.96; I2 93%) | 0.64 |
| ULTSH -1.0|LLFT4 +1 | 0.64 (CI 0.50-0.77; PI 0.12-0.96; I2 91%) | 0.60 (CI 0.47-0.73; PI 0.12-0.94; I2 94%) | 0.62 |
| ULTSH -0.1|LLFT4 +2 | 0.54 (CI 0.38-0.70; PI 0.06-0.96; I2 93%) | 0.66 (CI 0.48-0.81; PI 0.07-0.98; I2 92%) | 0.60 |
| ULTSH -0.2|LLFT4 +2 | 0.55 (CI 0.39-0.69; PI 0.08-0.95; I2 93%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 92%) | 0.60 |
| ULTSH -0.3|LLFT4 +2 | 0.55 (CI 0.40-0.69; PI 0.08-0.94; I2 92%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 91%) | 0.59 |
| ULTSH -0.4|LLFT4 +2 | 0.54 (CI 0.40-0.68; PI 0.09-0.94; I2 92%) | 0.65 (CI 0.48-0.79; PI 0.08-0.97; I2 90%) | 0.59 |
| ULTSH -0.5|LLFT4 +2 | 0.56 (CI 0.41-0.69; PI 0.10-0.94; I2 91%) | 0.65 (CI 0.48-0.79; PI 0.09-0.97; I2 91%) | 0.59 |
| ULTSH -0.6|LLFT4 +2 | 0.57 (CI 0.43-0.71; PI 0.10-0.94; I2 91%) | 0.66 (CI 0.49-0.80; PI 0.08-0.98; I2 91%) | 0.60 |
| ULTSH -0.7|LLFT4 +2 | 0.57 (CI 0.43-0.69; PI 0.11-0.93; I2 91%) | 0.66 (CI 0.50-0.80; PI 0.09-0.98; I2 92%) | 0.61 |
| ULTSH -0.8|LLFT4 +2 | 0.58 (CI 0.45-0.70; PI 0.13-0.93; I2 91%) | 0.67 (CI 0.50-0.80; PI 0.09-0.98; I2 91%) | 0.62 |
| ULTSH -0.9|LLFT4 +2 | 0.57 (CI 0.45-0.69; PI 0.14-0.92; I2 90%) | 0.65 (CI 0.49-0.78; PI 0.11-0.97; I2 93%) | 0.61 |
| ULTSH -1.0|LLFT4 +2 | 0.57 (CI 0.45-0.68; PI 0.15-0.91; I2 89%) | 0.62 (CI 0.48-0.74; PI 0.12-0.95; I2 93%) | 0.59 |
| ULTSH -0.1|LLFT4 +3 | 0.48 (CI 0.34-0.61; PI 0.08-0.91; I2 92%) | 0.65 (CI 0.47-0.80; PI 0.07-0.98; I2 92%) | 0.55 |
| ULTSH -0.2|LLFT4 +3 | 0.48 (CI 0.35-0.61; PI 0.09-0.90; I2 90%) | 0.66 (CI 0.48-0.80; PI 0.07-0.98; I2 91%) | 0.55 |
| ULTSH -0.3|LLFT4 +3 | 0.48 (CI 0.36-0.61; PI 0.09-0.89; I2 90%) | 0.66 (CI 0.48-0.80; PI 0.07-0.98; I2 90%) | 0.55 |
| ULTSH -0.4|LLFT4 +3 | 0.48 (CI 0.36-0.60; PI 0.10-0.88; I2 88%) | 0.64 (CI 0.47-0.79; PI 0.08-0.97; I2 89%) | 0.54 |
| ULTSH -0.5|LLFT4 +3 | 0.49 (CI 0.37-0.61; PI 0.11-0.88; I2 87%) | 0.64 (CI 0.48-0.78; PI 0.09-0.97; I2 89%) | 0.55 |
| ULTSH -0.6|LLFT4 +3 | 0.49 (CI 0.38-0.61; PI 0.11-0.88; I2 87%) | 0.66 (CI 0.48-0.80; PI 0.08-0.98; I2 90%) | 0.55 |
| ULTSH -0.7|LLFT4 +3 | 0.48 (CI 0.38-0.59; PI 0.14-0.85; I2 85%) | 0.66 (CI 0.49-0.80; PI 0.09-0.98; I2 91%) | 0.55 |
| ULTSH -0.8|LLFT4 +3 | 0.49 (CI 0.40-0.59; PI 0.16-0.84; I2 85%) | 0.67 (CI 0.50-0.80; PI 0.10-0.97; I2 90%) | 0.56 |
| ULTSH -0.9|LLFT4 +3 | 0.48 (CI 0.39-0.58; PI 0.17-0.81; I2 84%) | 0.64 (CI 0.49-0.77; PI 0.11-0.96; I2 92%) | 0.54 |
| ULTSH -1.0|LLFT4 +3 | 0.48 (CI 0.39-0.56; PI 0.18-0.79; I2 82%) | 0.62 (CI 0.48-0.75; PI 0.12-0.95; I2 92%) | 0.53 |
| ULTSH -0.1|LLFT4 +4 | 0.43 (CI 0.32-0.55; PI 0.09-0.85; I2 89%) | 0.65 (CI 0.45-0.80; PI 0.05-0.98; I2 91%) | 0.51 |
| ULTSH -0.2|LLFT4 +4 | 0.43 (CI 0.32-0.54; PI 0.10-0.84; I2 87%) | 0.66 (CI 0.47-0.80; PI 0.06-0.98; I2 91%) | 0.51 |
| ULTSH -0.3|LLFT4 +4 | 0.43 (CI 0.32-0.54; PI 0.10-0.83; I2 86%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 90%) | 0.51 |
| ULTSH -0.4|LLFT4 +4 | 0.43 (CI 0.32-0.53; PI 0.11-0.82; I2 84%) | 0.64 (CI 0.46-0.79; PI 0.07-0.98; I2 89%) | 0.50 |
| ULTSH -0.5|LLFT4 +4 | 0.43 (CI 0.33-0.53; PI 0.11-0.82; I2 82%) | 0.65 (CI 0.47-0.79; PI 0.08-0.98; I2 89%) | 0.51 |
| ULTSH -0.6|LLFT4 +4 | 0.43 (CI 0.33-0.53; PI 0.11-0.81; I2 81%) | 0.66 (CI 0.48-0.81; PI 0.07-0.98; I2 89%) | 0.51 |
| ULTSH -0.7|LLFT4 +4 | 0.42 (CI 0.33-0.51; PI 0.14-0.76; I2 77%) | 0.66 (CI 0.49-0.80; PI 0.09-0.98; I2 89%) | 0.50 |
| ULTSH -0.8|LLFT4 +4 | 0.42 (CI 0.34-0.50; PI 0.15-0.74; I2 76%) | 0.68 (CI 0.50-0.82; PI 0.09-0.98; I2 89%) | 0.50 |
| ULTSH -0.9|LLFT4 +4 | 0.41 (CI 0.34-0.48; PI 0.17-0.70; I2 74%) | 0.66 (CI 0.50-0.79; PI 0.10-0.97; I2 90%) | 0.49 |
| ULTSH -1.0|LLFT4 +4 | 0.40 (CI 0.33-0.47; PI 0.17-0.69; I2 75%) | 0.64 (CI 0.49-0.77; PI 0.11-0.96; I2 90%) | 0.48 |
| ULTSH -0.1|LLFT4 +5 | 0.39 (CI 0.28-0.50; PI 0.08-0.82; I2 86%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 91%) | 0.47 |
| ULTSH -0.2|LLFT4 +5 | 0.38 (CI 0.28-0.49; PI 0.08-0.81; I2 84%) | 0.64 (CI 0.44-0.81; PI 0.05-0.99; I2 90%) | 0.46 |
| ULTSH -0.3|LLFT4 +5 | 0.38 (CI 0.28-0.49; PI 0.08-0.80; I2 84%) | 0.65 (CI 0.44-0.81; PI 0.04-0.99; I2 89%) | 0.47 |
| ULTSH -0.4|LLFT4 +5 | 0.37 (CI 0.28-0.48; PI 0.09-0.79; I2 82%) | 0.63 (CI 0.43-0.79; PI 0.05-0.98; I2 88%) | 0.46 |
| ULTSH -0.5|LLFT4 +5 | 0.37 (CI 0.28-0.48; PI 0.09-0.78; I2 80%) | 0.63 (CI 0.44-0.79; PI 0.06-0.98; I2 87%) | 0.46 |
| ULTSH -0.6|LLFT4 +5 | 0.37 (CI 0.28-0.47; PI 0.09-0.77; I2 79%) | 0.65 (CI 0.45-0.80; PI 0.05-0.98; I2 87%) | 0.46 |
| ULTSH -0.7|LLFT4 +5 | 0.36 (CI 0.28-0.45; PI 0.12-0.71; I2 74%) | 0.66 (CI 0.47-0.80; PI 0.07-0.98; I2 88%) | 0.45 |
| ULTSH -0.8|LLFT4 +5 | 0.36 (CI 0.28-0.44; PI 0.12-0.68; I2 73%) | 0.67 (CI 0.49-0.82; PI 0.07-0.98; I2 87%) | 0.45 |
| ULTSH -0.9|LLFT4 +5 | 0.34 (CI 0.28-0.42; PI 0.13-0.65; I2 73%) | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 87%) | 0.44 |
| ULTSH -1.0|LLFT4 +5 | 0.33 (CI 0.27-0.41; PI 0.13-0.64; I2 75%) | 0.64 (CI 0.47-0.78; PI 0.09-0.97; I2 88%) | 0.43 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 23 – Diagnostic performance for treatment indication with fixed limits in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.89 (CI 0.82-0.93; PI 0.51-0.98; I2 80%) | 0.76 (CI 0.59-0.88; PI 0.10-0.99; I2 90%) | 0.79 |
| ULTSH 3.1|LLFT4 5 | 0.88 (CI 0.80-0.93; PI 0.45-0.98; I2 82%) | 0.77 (CI 0.61-0.88; PI 0.11-0.99; I2 89%) | 0.79 |
| ULTSH 3.2|LLFT4 5 | 0.86 (CI 0.78-0.92; PI 0.46-0.98; I2 82%) | 0.80 (CI 0.64-0.90; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.3|LLFT4 5 | 0.84 (CI 0.75-0.90; PI 0.41-0.98; I2 83%) | 0.82 (CI 0.66-0.91; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.4|LLFT4 5 | 0.81 (CI 0.71-0.88; PI 0.33-0.97; I2 84%) | 0.83 (CI 0.68-0.92; PI 0.14-0.99; I2 86%) | 0.78 |
| ULTSH 3.5|LLFT4 5 | 0.80 (CI 0.69-0.87; PI 0.31-0.97; I2 83%) | 0.85 (CI 0.71-0.93; PI 0.16-0.99; I2 86%) | 0.78 |
| ULTSH 3.6|LLFT4 5 | 0.77 (CI 0.65-0.86; PI 0.24-0.97; I2 85%) | 0.86 (CI 0.73-0.93; PI 0.19-0.99; I2 84%) | 0.77 |
| ULTSH 3.7|LLFT4 5 | 0.75 (CI 0.63-0.84; PI 0.25-0.96; I2 84%) | 0.89 (CI 0.78-0.95; PI 0.26-0.99; I2 83%) | 0.78 |
| ULTSH 3.8|LLFT4 5 | 0.73 (CI 0.61-0.83; PI 0.24-0.96; I2 84%) | 0.90 (CI 0.80-0.96; PI 0.29-1.00; I2 81%) | 0.78 |
| ULTSH 3.9|LLFT4 5 | 0.71 (CI 0.57-0.81; PI 0.19-0.96; I2 84%) | 0.91 (CI 0.82-0.96; PI 0.34-1.00; I2 79%) | 0.77 |
| ULTSH 4.0|LLFT4 5 | 0.69 (CI 0.55-0.80; PI 0.18-0.96; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 78%) | 0.76 |
| ULTSH 4.1|LLFT4 5 | 0.67 (CI 0.53-0.78; PI 0.16-0.95; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 77%) | 0.75 |
| ULTSH 4.2|LLFT4 5 | 0.63 (CI 0.50-0.75; PI 0.16-0.94; I2 81%) | 0.92 (CI 0.84-0.96; PI 0.43-0.99; I2 71%) | 0.73 |
| ULTSH 4.3|LLFT4 5 | 0.59 (CI 0.47-0.70; PI 0.19-0.90; I2 79%) | 0.92 (CI 0.85-0.96; PI 0.49-0.99; I2 65%) | 0.70 |
| ULTSH 4.4|LLFT4 5 | 0.57 (CI 0.45-0.68; PI 0.17-0.90; I2 78%) | 0.93 (CI 0.87-0.96; PI 0.65-0.99; I2 47%) | 0.69 |
| ULTSH 4.5|LLFT4 5 | 0.56 (CI 0.44-0.68; PI 0.16-0.90; I2 79%) | 0.93 (CI 0.88-0.96; PI 0.73-0.98; I2 26%) | 0.69 |
| ULTSH 3.0|LLFT4 6 | 0.89 (CI 0.82-0.93; PI 0.51-0.98; I2 80%) | 0.76 (CI 0.59-0.88; PI 0.10-0.99; I2 90%) | 0.79 |
| ULTSH 3.1|LLFT4 6 | 0.88 (CI 0.80-0.93; PI 0.45-0.98; I2 82%) | 0.77 (CI 0.61-0.88; PI 0.11-0.99; I2 89%) | 0.79 |
| ULTSH 3.2|LLFT4 6 | 0.86 (CI 0.78-0.92; PI 0.46-0.98; I2 82%) | 0.80 (CI 0.64-0.90; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.3|LLFT4 6 | 0.84 (CI 0.75-0.90; PI 0.41-0.98; I2 83%) | 0.82 (CI 0.66-0.91; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.4|LLFT4 6 | 0.81 (CI 0.71-0.88; PI 0.33-0.97; I2 84%) | 0.83 (CI 0.68-0.92; PI 0.14-0.99; I2 86%) | 0.78 |
| ULTSH 3.5|LLFT4 6 | 0.80 (CI 0.69-0.87; PI 0.31-0.97; I2 83%) | 0.85 (CI 0.71-0.93; PI 0.16-0.99; I2 86%) | 0.78 |
| ULTSH 3.6|LLFT4 6 | 0.77 (CI 0.65-0.86; PI 0.24-0.97; I2 85%) | 0.86 (CI 0.73-0.93; PI 0.19-0.99; I2 84%) | 0.77 |
| ULTSH 3.7|LLFT4 6 | 0.75 (CI 0.63-0.84; PI 0.25-0.96; I2 84%) | 0.89 (CI 0.78-0.95; PI 0.26-0.99; I2 83%) | 0.78 |
| ULTSH 3.8|LLFT4 6 | 0.73 (CI 0.61-0.83; PI 0.24-0.96; I2 84%) | 0.90 (CI 0.80-0.96; PI 0.29-1.00; I2 81%) | 0.78 |
| ULTSH 3.9|LLFT4 6 | 0.71 (CI 0.57-0.81; PI 0.19-0.96; I2 84%) | 0.91 (CI 0.82-0.96; PI 0.34-1.00; I2 79%) | 0.77 |
| ULTSH 4.0|LLFT4 6 | 0.69 (CI 0.55-0.80; PI 0.18-0.96; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 78%) | 0.76 |
| ULTSH 4.1|LLFT4 6 | 0.67 (CI 0.53-0.78; PI 0.16-0.95; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 77%) | 0.75 |
| ULTSH 4.2|LLFT4 6 | 0.63 (CI 0.50-0.75; PI 0.16-0.94; I2 81%) | 0.92 (CI 0.84-0.96; PI 0.43-0.99; I2 71%) | 0.73 |
| ULTSH 4.3|LLFT4 6 | 0.59 (CI 0.47-0.70; PI 0.19-0.90; I2 79%) | 0.92 (CI 0.85-0.96; PI 0.49-0.99; I2 65%) | 0.70 |
| ULTSH 4.4|LLFT4 6 | 0.57 (CI 0.45-0.68; PI 0.17-0.90; I2 78%) | 0.93 (CI 0.87-0.96; PI 0.65-0.99; I2 47%) | 0.69 |
| ULTSH 4.5|LLFT4 6 | 0.56 (CI 0.44-0.68; PI 0.16-0.90; I2 79%) | 0.93 (CI 0.88-0.96; PI 0.73-0.98; I2 26%) | 0.69 |
| ULTSH 3.0|LLFT4 7 | 0.89 (CI 0.82-0.93; PI 0.52-0.98; I2 80%) | 0.76 (CI 0.59-0.88; PI 0.10-0.99; I2 90%) | 0.79 |
| ULTSH 3.1|LLFT4 7 | 0.88 (CI 0.80-0.93; PI 0.46-0.98; I2 82%) | 0.77 (CI 0.61-0.88; PI 0.11-0.99; I2 89%) | 0.79 |
| ULTSH 3.2|LLFT4 7 | 0.86 (CI 0.79-0.92; PI 0.46-0.98; I2 82%) | 0.80 (CI 0.64-0.90; PI 0.12-0.99; I2 87%) | 0.80 |
| ULTSH 3.3|LLFT4 7 | 0.84 (CI 0.75-0.90; PI 0.41-0.98; I2 83%) | 0.82 (CI 0.66-0.91; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.4|LLFT4 7 | 0.81 (CI 0.71-0.89; PI 0.33-0.98; I2 84%) | 0.83 (CI 0.68-0.92; PI 0.14-0.99; I2 86%) | 0.78 |
| ULTSH 3.5|LLFT4 7 | 0.80 (CI 0.69-0.88; PI 0.31-0.97; I2 83%) | 0.85 (CI 0.71-0.93; PI 0.16-0.99; I2 86%) | 0.78 |
| ULTSH 3.6|LLFT4 7 | 0.77 (CI 0.65-0.86; PI 0.24-0.97; I2 85%) | 0.86 (CI 0.73-0.93; PI 0.19-0.99; I2 84%) | 0.77 |
| ULTSH 3.7|LLFT4 7 | 0.75 (CI 0.63-0.84; PI 0.25-0.96; I2 84%) | 0.89 (CI 0.78-0.95; PI 0.26-0.99; I2 83%) | 0.78 |
| ULTSH 3.8|LLFT4 7 | 0.74 (CI 0.61-0.83; PI 0.24-0.96; I2 84%) | 0.90 (CI 0.80-0.96; PI 0.29-1.00; I2 81%) | 0.78 |
| ULTSH 3.9|LLFT4 7 | 0.71 (CI 0.58-0.82; PI 0.19-0.96; I2 84%) | 0.91 (CI 0.82-0.96; PI 0.34-1.00; I2 79%) | 0.77 |
| ULTSH 4.0|LLFT4 7 | 0.69 (CI 0.55-0.80; PI 0.17-0.96; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 78%) | 0.76 |
| ULTSH 4.1|LLFT4 7 | 0.67 (CI 0.53-0.79; PI 0.16-0.96; I2 83%) | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 77%) | 0.75 |
| ULTSH 4.2|LLFT4 7 | 0.64 (CI 0.50-0.75; PI 0.16-0.94; I2 82%) | 0.92 (CI 0.84-0.96; PI 0.42-0.99; I2 71%) | 0.73 |
| ULTSH 4.3|LLFT4 7 | 0.59 (CI 0.48-0.70; PI 0.19-0.90; I2 79%) | 0.92 (CI 0.85-0.96; PI 0.49-0.99; I2 65%) | 0.70 |
| ULTSH 4.4|LLFT4 7 | 0.57 (CI 0.45-0.69; PI 0.17-0.90; I2 78%) | 0.93 (CI 0.87-0.96; PI 0.65-0.99; I2 47%) | 0.70 |
| ULTSH 4.5|LLFT4 7 | 0.56 (CI 0.44-0.68; PI 0.16-0.90; I2 79%) | 0.93 (CI 0.88-0.96; PI 0.73-0.98; I2 27%) | 0.69 |
| ULTSH 3.0|LLFT4 8 | 0.91 (CI 0.84-0.95; PI 0.50-0.99; I2 81%) | 0.75 (CI 0.58-0.86; PI 0.11-0.99; I2 90%) | 0.80 |
| ULTSH 3.1|LLFT4 8 | 0.89 (CI 0.82-0.94; PI 0.48-0.99; I2 82%) | 0.76 (CI 0.60-0.87; PI 0.13-0.98; I2 89%) | 0.79 |
| ULTSH 3.2|LLFT4 8 | 0.88 (CI 0.80-0.93; PI 0.47-0.98; I2 82%) | 0.79 (CI 0.64-0.89; PI 0.13-0.99; I2 87%) | 0.80 |
| ULTSH 3.3|LLFT4 8 | 0.86 (CI 0.77-0.91; PI 0.42-0.98; I2 83%) | 0.81 (CI 0.65-0.90; PI 0.14-0.99; I2 87%) | 0.79 |
| ULTSH 3.4|LLFT4 8 | 0.83 (CI 0.72-0.90; PI 0.32-0.98; I2 84%) | 0.82 (CI 0.67-0.91; PI 0.16-0.99; I2 86%) | 0.78 |
| ULTSH 3.5|LLFT4 8 | 0.82 (CI 0.71-0.89; PI 0.31-0.98; I2 83%) | 0.84 (CI 0.70-0.92; PI 0.18-0.99; I2 86%) | 0.79 |
| ULTSH 3.6|LLFT4 8 | 0.79 (CI 0.66-0.88; PI 0.23-0.98; I2 85%) | 0.85 (CI 0.73-0.93; PI 0.21-0.99; I2 84%) | 0.78 |
| ULTSH 3.7|LLFT4 8 | 0.77 (CI 0.64-0.86; PI 0.24-0.97; I2 84%) | 0.88 (CI 0.77-0.94; PI 0.28-0.99; I2 83%) | 0.79 |
| ULTSH 3.8|LLFT4 8 | 0.75 (CI 0.63-0.85; PI 0.23-0.97; I2 84%) | 0.90 (CI 0.80-0.95; PI 0.29-0.99; I2 81%) | 0.79 |
| ULTSH 3.9|LLFT4 8 | 0.73 (CI 0.59-0.84; PI 0.17-0.97; I2 84%) | 0.91 (CI 0.82-0.96; PI 0.35-0.99; I2 79%) | 0.78 |
| ULTSH 4.0|LLFT4 8 | 0.71 (CI 0.56-0.82; PI 0.16-0.97; I2 83%) | 0.91 (CI 0.83-0.96; PI 0.36-0.99; I2 78%) | 0.77 |
| ULTSH 4.1|LLFT4 8 | 0.68 (CI 0.53-0.80; PI 0.15-0.96; I2 83%) | 0.91 (CI 0.83-0.96; PI 0.37-1.00; I2 77%) | 0.76 |
| ULTSH 4.2|LLFT4 8 | 0.65 (CI 0.51-0.77; PI 0.16-0.95; I2 82%) | 0.92 (CI 0.84-0.96; PI 0.43-0.99; I2 71%) | 0.74 |
| ULTSH 4.3|LLFT4 8 | 0.60 (CI 0.48-0.71; PI 0.19-0.91; I2 79%) | 0.92 (CI 0.84-0.96; PI 0.50-0.99; I2 64%) | 0.71 |
| ULTSH 4.4|LLFT4 8 | 0.58 (CI 0.46-0.69; PI 0.17-0.90; I2 78%) | 0.92 (CI 0.87-0.96; PI 0.66-0.99; I2 46%) | 0.70 |
| ULTSH 4.5|LLFT4 8 | 0.57 (CI 0.45-0.68; PI 0.16-0.90; I2 79%) | 0.93 (CI 0.88-0.96; PI 0.73-0.98; I2 25%) | 0.69 |
| ULTSH 3.0|LLFT4 9 | 0.93 (CI 0.85-0.96; PI 0.46-0.99; I2 81%) | 0.72 (CI 0.56-0.85; PI 0.11-0.98; I2 90%) | 0.78 |
| ULTSH 3.1|LLFT4 9 | 0.91 (CI 0.83-0.95; PI 0.44-0.99; I2 81%) | 0.74 (CI 0.58-0.85; PI 0.13-0.98; I2 89%) | 0.78 |
| ULTSH 3.2|LLFT4 9 | 0.90 (CI 0.81-0.95; PI 0.42-0.99; I2 82%) | 0.77 (CI 0.61-0.88; PI 0.12-0.99; I2 87%) | 0.79 |
| ULTSH 3.3|LLFT4 9 | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 82%) | 0.79 (CI 0.63-0.89; PI 0.13-0.99; I2 87%) | 0.78 |
| ULTSH 3.4|LLFT4 9 | 0.85 (CI 0.73-0.92; PI 0.25-0.99; I2 84%) | 0.80 (CI 0.65-0.90; PI 0.14-0.99; I2 86%) | 0.77 |
| ULTSH 3.5|LLFT4 9 | 0.84 (CI 0.72-0.92; PI 0.23-0.99; I2 82%) | 0.82 (CI 0.68-0.91; PI 0.16-0.99; I2 85%) | 0.78 |
| ULTSH 3.6|LLFT4 9 | 0.82 (CI 0.67-0.91; PI 0.16-0.99; I2 84%) | 0.84 (CI 0.70-0.92; PI 0.18-0.99; I2 83%) | 0.77 |
| ULTSH 3.7|LLFT4 9 | 0.80 (CI 0.65-0.89; PI 0.17-0.99; I2 83%) | 0.86 (CI 0.74-0.93; PI 0.23-0.99; I2 82%) | 0.78 |
| ULTSH 3.8|LLFT4 9 | 0.79 (CI 0.63-0.89; PI 0.15-0.99; I2 82%) | 0.88 (CI 0.76-0.94; PI 0.24-0.99; I2 80%) | 0.78 |
| ULTSH 3.9|LLFT4 9 | 0.77 (CI 0.59-0.88; PI 0.11-0.99; I2 82%) | 0.89 (CI 0.78-0.94; PI 0.29-0.99; I2 78%) | 0.78 |
| ULTSH 4.0|LLFT4 9 | 0.74 (CI 0.56-0.87; PI 0.10-0.99; I2 81%) | 0.89 (CI 0.79-0.95; PI 0.31-0.99; I2 77%) | 0.77 |
| ULTSH 4.1|LLFT4 9 | 0.70 (CI 0.54-0.82; PI 0.13-0.97; I2 84%) | 0.89 (CI 0.79-0.95; PI 0.30-0.99; I2 76%) | 0.75 |
| ULTSH 4.2|LLFT4 9 | 0.66 (CI 0.52-0.78; PI 0.15-0.95; I2 83%) | 0.89 (CI 0.80-0.95; PI 0.34-0.99; I2 71%) | 0.73 |
| ULTSH 4.3|LLFT4 9 | 0.61 (CI 0.49-0.72; PI 0.18-0.92; I2 80%) | 0.90 (CI 0.81-0.95; PI 0.39-0.99; I2 67%) | 0.71 |
| ULTSH 4.4|LLFT4 9 | 0.58 (CI 0.46-0.69; PI 0.17-0.90; I2 79%) | 0.90 (CI 0.83-0.95; PI 0.51-0.99; I2 54%) | 0.69 |
| ULTSH 4.5|LLFT4 9 | 0.57 (CI 0.45-0.69; PI 0.16-0.90; I2 79%) | 0.91 (CI 0.84-0.95; PI 0.59-0.98; I2 41%) | 0.69 |
| ULTSH 3.0|LLFT4 10 | 0.93 (CI 0.86-0.97; PI 0.45-1.00; I2 81%) | 0.70 (CI 0.52-0.84; PI 0.08-0.98; I2 91%) | 0.76 |
| ULTSH 3.1|LLFT4 10 | 0.91 (CI 0.83-0.96; PI 0.42-0.99; I2 81%) | 0.72 (CI 0.54-0.84; PI 0.09-0.98; I2 90%) | 0.76 |
| ULTSH 3.2|LLFT4 10 | 0.90 (CI 0.81-0.95; PI 0.42-0.99; I2 82%) | 0.75 (CI 0.57-0.87; PI 0.09-0.99; I2 88%) | 0.77 |
| ULTSH 3.3|LLFT4 10 | 0.88 (CI 0.78-0.94; PI 0.35-0.99; I2 82%) | 0.77 (CI 0.60-0.89; PI 0.10-0.99; I2 88%) | 0.77 |
| ULTSH 3.4|LLFT4 10 | 0.85 (CI 0.74-0.93; PI 0.25-0.99; I2 84%) | 0.78 (CI 0.61-0.89; PI 0.10-0.99; I2 87%) | 0.75 |
| ULTSH 3.5|LLFT4 10 | 0.84 (CI 0.72-0.92; PI 0.23-0.99; I2 82%) | 0.80 (CI 0.64-0.91; PI 0.11-0.99; I2 87%) | 0.76 |
| ULTSH 3.6|LLFT4 10 | 0.82 (CI 0.67-0.91; PI 0.16-0.99; I2 84%) | 0.82 (CI 0.66-0.92; PI 0.13-0.99; I2 85%) | 0.75 |
| ULTSH 3.7|LLFT4 10 | 0.80 (CI 0.65-0.89; PI 0.17-0.99; I2 83%) | 0.84 (CI 0.70-0.92; PI 0.16-0.99; I2 83%) | 0.76 |
| ULTSH 3.8|LLFT4 10 | 0.79 (CI 0.63-0.89; PI 0.16-0.99; I2 83%) | 0.86 (CI 0.72-0.94; PI 0.16-0.99; I2 82%) | 0.76 |
| ULTSH 3.9|LLFT4 10 | 0.77 (CI 0.59-0.88; PI 0.11-0.99; I2 82%) | 0.87 (CI 0.73-0.94; PI 0.18-0.99; I2 81%) | 0.75 |
| ULTSH 4.0|LLFT4 10 | 0.75 (CI 0.56-0.87; PI 0.10-0.99; I2 81%) | 0.88 (CI 0.75-0.94; PI 0.21-0.99; I2 80%) | 0.75 |
| ULTSH 4.1|LLFT4 10 | 0.70 (CI 0.54-0.82; PI 0.13-0.97; I2 84%) | 0.88 (CI 0.76-0.94; PI 0.22-0.99; I2 78%) | 0.73 |
| ULTSH 4.2|LLFT4 10 | 0.66 (CI 0.52-0.78; PI 0.16-0.95; I2 83%) | 0.88 (CI 0.76-0.94; PI 0.24-0.99; I2 75%) | 0.72 |
| ULTSH 4.3|LLFT4 10 | 0.61 (CI 0.49-0.72; PI 0.18-0.92; I2 80%) | 0.88 (CI 0.78-0.94; PI 0.29-0.99; I2 71%) | 0.70 |
| ULTSH 4.4|LLFT4 10 | 0.58 (CI 0.46-0.69; PI 0.17-0.90; I2 79%) | 0.89 (CI 0.79-0.94; PI 0.36-0.99; I2 65%) | 0.68 |
| ULTSH 4.5|LLFT4 10 | 0.57 (CI 0.45-0.69; PI 0.16-0.90; I2 79%) | 0.89 (CI 0.81-0.94; PI 0.41-0.99; I2 59%) | 0.68 |
| ULTSH 3.0|LLFT4 11 | 0.96 (CI 0.88-0.98; PI 0.32-1.00; I2 74%) | 0.66 (CI 0.46-0.81; PI 0.06-0.98; I2 92%) | 0.73 |
| ULTSH 3.1|LLFT4 11 | 0.94 (CI 0.86-0.98; PI 0.28-1.00; I2 74%) | 0.67 (CI 0.48-0.82; PI 0.06-0.98; I2 92%) | 0.74 |
| ULTSH 3.2|LLFT4 11 | 0.92 (CI 0.83-0.96; PI 0.36-1.00; I2 82%) | 0.71 (CI 0.52-0.85; PI 0.07-0.99; I2 91%) | 0.75 |
| ULTSH 3.3|LLFT4 11 | 0.90 (CI 0.80-0.96; PI 0.29-1.00; I2 82%) | 0.73 (CI 0.54-0.86; PI 0.08-0.99; I2 91%) | 0.74 |
| ULTSH 3.4|LLFT4 11 | 0.88 (CI 0.75-0.95; PI 0.19-1.00; I2 83%) | 0.74 (CI 0.55-0.87; PI 0.07-0.99; I2 90%) | 0.73 |
| ULTSH 3.5|LLFT4 11 | 0.87 (CI 0.73-0.94; PI 0.19-0.99; I2 82%) | 0.77 (CI 0.59-0.89; PI 0.08-0.99; I2 89%) | 0.74 |
| ULTSH 3.6|LLFT4 11 | 0.84 (CI 0.68-0.93; PI 0.13-0.99; I2 84%) | 0.80 (CI 0.62-0.91; PI 0.10-0.99; I2 88%) | 0.74 |
| ULTSH 3.7|LLFT4 11 | 0.81 (CI 0.66-0.90; PI 0.16-0.99; I2 84%) | 0.82 (CI 0.65-0.92; PI 0.11-0.99; I2 87%) | 0.74 |
| ULTSH 3.8|LLFT4 11 | 0.80 (CI 0.64-0.90; PI 0.15-0.99; I2 84%) | 0.84 (CI 0.67-0.93; PI 0.11-1.00; I2 85%) | 0.74 |
| ULTSH 3.9|LLFT4 11 | 0.78 (CI 0.60-0.89; PI 0.10-0.99; I2 83%) | 0.84 (CI 0.68-0.93; PI 0.11-1.00; I2 85%) | 0.73 |
| ULTSH 4.0|LLFT4 11 | 0.75 (CI 0.57-0.88; PI 0.10-0.99; I2 82%) | 0.85 (CI 0.70-0.94; PI 0.13-1.00; I2 83%) | 0.72 |
| ULTSH 4.1|LLFT4 11 | 0.71 (CI 0.55-0.83; PI 0.13-0.98; I2 84%) | 0.86 (CI 0.71-0.94; PI 0.13-1.00; I2 83%) | 0.71 |
| ULTSH 4.2|LLFT4 11 | 0.67 (CI 0.52-0.79; PI 0.15-0.96; I2 84%) | 0.86 (CI 0.72-0.94; PI 0.15-1.00; I2 80%) | 0.70 |
| ULTSH 4.3|LLFT4 11 | 0.62 (CI 0.50-0.74; PI 0.18-0.93; I2 81%) | 0.87 (CI 0.73-0.94; PI 0.19-0.99; I2 76%) | 0.69 |
| ULTSH 4.4|LLFT4 11 | 0.59 (CI 0.47-0.71; PI 0.17-0.91; I2 80%) | 0.87 (CI 0.75-0.94; PI 0.24-0.99; I2 71%) | 0.68 |
| ULTSH 4.5|LLFT4 11 | 0.58 (CI 0.45-0.70; PI 0.16-0.91; I2 80%) | 0.88 (CI 0.76-0.94; PI 0.27-0.99; I2 69%) | 0.67 |
| ULTSH 3.0|LLFT4 12 | 0.98 (CI 0.92-1.00; PI 0.27-1.00; I2 71%) | 0.61 (CI 0.41-0.78; PI 0.04-0.98; I2 93%) | 0.69 |
| ULTSH 3.1|LLFT4 12 | 0.98 (CI 0.90-1.00; PI 0.20-1.00; I2 71%) | 0.63 (CI 0.43-0.79; PI 0.05-0.98; I2 92%) | 0.70 |
| ULTSH 3.2|LLFT4 12 | 0.96 (CI 0.87-0.99; PI 0.26-1.00; I2 81%) | 0.65 (CI 0.46-0.81; PI 0.06-0.98; I2 92%) | 0.71 |
| ULTSH 3.3|LLFT4 12 | 0.95 (CI 0.84-0.99; PI 0.17-1.00; I2 80%) | 0.68 (CI 0.49-0.83; PI 0.07-0.98; I2 92%) | 0.72 |
| ULTSH 3.4|LLFT4 12 | 0.94 (CI 0.80-0.98; PI 0.10-1.00; I2 81%) | 0.69 (CI 0.50-0.83; PI 0.07-0.98; I2 91%) | 0.71 |
| ULTSH 3.5|LLFT4 12 | 0.92 (CI 0.78-0.98; PI 0.12-1.00; I2 82%) | 0.72 (CI 0.53-0.85; PI 0.09-0.99; I2 91%) | 0.73 |
| ULTSH 3.6|LLFT4 12 | 0.90 (CI 0.73-0.97; PI 0.08-1.00; I2 84%) | 0.75 (CI 0.57-0.87; PI 0.10-0.99; I2 90%) | 0.73 |
| ULTSH 3.7|LLFT4 12 | 0.87 (CI 0.70-0.95; PI 0.11-1.00; I2 85%) | 0.77 (CI 0.60-0.88; PI 0.12-0.99; I2 88%) | 0.73 |
| ULTSH 3.8|LLFT4 12 | 0.85 (CI 0.68-0.94; PI 0.10-1.00; I2 85%) | 0.79 (CI 0.62-0.89; PI 0.12-0.99; I2 87%) | 0.73 |
| ULTSH 3.9|LLFT4 12 | 0.83 (CI 0.63-0.94; PI 0.07-1.00; I2 84%) | 0.79 (CI 0.63-0.90; PI 0.13-0.99; I2 86%) | 0.72 |
| ULTSH 4.0|LLFT4 12 | 0.81 (CI 0.60-0.93; PI 0.06-1.00; I2 82%) | 0.81 (CI 0.65-0.90; PI 0.15-0.99; I2 85%) | 0.72 |
| ULTSH 4.1|LLFT4 12 | 0.76 (CI 0.57-0.88; PI 0.09-0.99; I2 84%) | 0.82 (CI 0.67-0.91; PI 0.16-0.99; I2 84%) | 0.71 |
| ULTSH 4.2|LLFT4 12 | 0.71 (CI 0.54-0.84; PI 0.11-0.98; I2 83%) | 0.82 (CI 0.68-0.91; PI 0.19-0.99; I2 81%) | 0.70 |
| ULTSH 4.3|LLFT4 12 | 0.66 (CI 0.51-0.78; PI 0.15-0.96; I2 82%) | 0.83 (CI 0.70-0.91; PI 0.24-0.99; I2 77%) | 0.69 |
| ULTSH 4.4|LLFT4 12 | 0.63 (CI 0.48-0.75; PI 0.13-0.95; I2 80%) | 0.83 (CI 0.72-0.91; PI 0.28-0.98; I2 73%) | 0.68 |
| ULTSH 4.5|LLFT4 12 | 0.62 (CI 0.46-0.75; PI 0.12-0.95; I2 81%) | 0.84 (CI 0.74-0.91; PI 0.32-0.98; I2 71%) | 0.67 |
| ULTSH 3.0|LLFT4 13 | 0.99 (CI 0.93-1.00; PI 0.28-1.00; I2 70%) | 0.51 (CI 0.33-0.69; PI 0.04-0.96; I2 92%) | 0.62 |
| ULTSH 3.1|LLFT4 13 | 0.98 (CI 0.91-1.00; PI 0.20-1.00; I2 69%) | 0.53 (CI 0.35-0.71; PI 0.04-0.97; I2 92%) | 0.63 |
| ULTSH 3.2|LLFT4 13 | 0.97 (CI 0.88-0.99; PI 0.25-1.00; I2 80%) | 0.55 (CI 0.37-0.72; PI 0.05-0.97; I2 92%) | 0.64 |
| ULTSH 3.3|LLFT4 13 | 0.96 (CI 0.85-0.99; PI 0.15-1.00; I2 80%) | 0.58 (CI 0.40-0.75; PI 0.05-0.97; I2 91%) | 0.65 |
| ULTSH 3.4|LLFT4 13 | 0.95 (CI 0.81-0.99; PI 0.09-1.00; I2 80%) | 0.59 (CI 0.41-0.75; PI 0.06-0.97; I2 90%) | 0.64 |
| ULTSH 3.5|LLFT4 13 | 0.93 (CI 0.79-0.98; PI 0.11-1.00; I2 81%) | 0.61 (CI 0.44-0.76; PI 0.07-0.97; I2 89%) | 0.66 |
| ULTSH 3.6|LLFT4 13 | 0.91 (CI 0.74-0.97; PI 0.07-1.00; I2 83%) | 0.65 (CI 0.47-0.79; PI 0.09-0.97; I2 88%) | 0.67 |
| ULTSH 3.7|LLFT4 13 | 0.88 (CI 0.71-0.96; PI 0.09-1.00; I2 84%) | 0.66 (CI 0.50-0.80; PI 0.10-0.97; I2 87%) | 0.68 |
| ULTSH 3.8|LLFT4 13 | 0.87 (CI 0.69-0.95; PI 0.09-1.00; I2 84%) | 0.68 (CI 0.51-0.81; PI 0.11-0.97; I2 86%) | 0.68 |
| ULTSH 3.9|LLFT4 13 | 0.85 (CI 0.64-0.95; PI 0.06-1.00; I2 83%) | 0.68 (CI 0.52-0.81; PI 0.12-0.97; I2 83%) | 0.67 |
| ULTSH 4.0|LLFT4 13 | 0.83 (CI 0.61-0.94; PI 0.05-1.00; I2 81%) | 0.69 (CI 0.55-0.81; PI 0.15-0.97; I2 82%) | 0.67 |
| ULTSH 4.1|LLFT4 13 | 0.78 (CI 0.58-0.90; PI 0.07-0.99; I2 83%) | 0.70 (CI 0.56-0.82; PI 0.17-0.97; I2 81%) | 0.66 |
| ULTSH 4.2|LLFT4 13 | 0.73 (CI 0.54-0.86; PI 0.09-0.99; I2 81%) | 0.72 (CI 0.58-0.82; PI 0.18-0.97; I2 78%) | 0.65 |
| ULTSH 4.3|LLFT4 13 | 0.67 (CI 0.51-0.80; PI 0.12-0.97; I2 81%) | 0.72 (CI 0.59-0.82; PI 0.21-0.96; I2 73%) | 0.64 |
| ULTSH 4.4|LLFT4 13 | 0.64 (CI 0.48-0.78; PI 0.11-0.96; I2 78%) | 0.73 (CI 0.60-0.83; PI 0.22-0.96; I2 70%) | 0.63 |
| ULTSH 4.5|LLFT4 13 | 0.63 (CI 0.46-0.77; PI 0.10-0.96; I2 78%) | 0.75 (CI 0.62-0.84; PI 0.23-0.97; I2 69%) | 0.63 |
| ULTSH 3.0|LLFT4 14 | 0.99 (CI 0.93-1.00; PI 0.21-1.00; I2 64%) | 0.41 (CI 0.27-0.57; PI 0.04-0.92; I2 93%) | 0.55 |
| ULTSH 3.1|LLFT4 14 | 0.99 (CI 0.91-1.00; PI 0.14-1.00; I2 62%) | 0.44 (CI 0.29-0.59; PI 0.05-0.92; I2 92%) | 0.57 |
| ULTSH 3.2|LLFT4 14 | 0.97 (CI 0.88-0.99; PI 0.19-1.00; I2 78%) | 0.46 (CI 0.32-0.61; PI 0.06-0.92; I2 92%) | 0.58 |
| ULTSH 3.3|LLFT4 14 | 0.97 (CI 0.85-0.99; PI 0.10-1.00; I2 77%) | 0.49 (CI 0.34-0.65; PI 0.06-0.94; I2 92%) | 0.59 |
| ULTSH 3.4|LLFT4 14 | 0.96 (CI 0.81-0.99; PI 0.06-1.00; I2 78%) | 0.51 (CI 0.35-0.66; PI 0.06-0.94; I2 91%) | 0.59 |
| ULTSH 3.5|LLFT4 14 | 0.94 (CI 0.80-0.99; PI 0.08-1.00; I2 78%) | 0.53 (CI 0.38-0.68; PI 0.08-0.94; I2 90%) | 0.61 |
| ULTSH 3.6|LLFT4 14 | 0.93 (CI 0.74-0.98; PI 0.05-1.00; I2 81%) | 0.56 (CI 0.41-0.70; PI 0.09-0.94; I2 88%) | 0.62 |
| ULTSH 3.7|LLFT4 14 | 0.90 (CI 0.71-0.97; PI 0.07-1.00; I2 82%) | 0.58 (CI 0.43-0.72; PI 0.10-0.94; I2 87%) | 0.63 |
| ULTSH 3.8|LLFT4 14 | 0.88 (CI 0.69-0.96; PI 0.06-1.00; I2 82%) | 0.59 (CI 0.45-0.72; PI 0.12-0.94; I2 86%) | 0.63 |
| ULTSH 3.9|LLFT4 14 | 0.87 (CI 0.64-0.96; PI 0.04-1.00; I2 80%) | 0.60 (CI 0.46-0.72; PI 0.14-0.93; I2 82%) | 0.63 |
| ULTSH 4.0|LLFT4 14 | 0.85 (CI 0.61-0.96; PI 0.03-1.00; I2 77%) | 0.61 (CI 0.48-0.73; PI 0.16-0.93; I2 81%) | 0.63 |
| ULTSH 4.1|LLFT4 14 | 0.80 (CI 0.57-0.92; PI 0.05-1.00; I2 80%) | 0.63 (CI 0.50-0.74; PI 0.18-0.93; I2 79%) | 0.62 |
| ULTSH 4.2|LLFT4 14 | 0.75 (CI 0.54-0.88; PI 0.06-0.99; I2 78%) | 0.65 (CI 0.53-0.75; PI 0.22-0.92; I2 75%) | 0.63 |
| ULTSH 4.3|LLFT4 14 | 0.69 (CI 0.51-0.82; PI 0.10-0.98; I2 76%) | 0.66 (CI 0.55-0.75; PI 0.25-0.92; I2 69%) | 0.62 |
| ULTSH 4.4|LLFT4 14 | 0.66 (CI 0.48-0.80; PI 0.09-0.97; I2 72%) | 0.68 (CI 0.56-0.77; PI 0.24-0.93; I2 66%) | 0.61 |
| ULTSH 4.5|LLFT4 14 | 0.64 (CI 0.46-0.79; PI 0.08-0.98; I2 72%) | 0.69 (CI 0.58-0.78; PI 0.27-0.93; I2 64%) | 0.61 |
| ULTSH 3.0|LLFT4 15 | 0.99 (CI 0.93-1.00; PI 0.21-1.00; I2 64%) | 0.35 (CI 0.23-0.49; PI 0.04-0.87; I2 94%) | 0.49 |
| ULTSH 3.1|LLFT4 15 | 0.99 (CI 0.91-1.00; PI 0.14-1.00; I2 62%) | 0.37 (CI 0.25-0.51; PI 0.05-0.88; I2 93%) | 0.51 |
| ULTSH 3.2|LLFT4 15 | 0.97 (CI 0.88-0.99; PI 0.19-1.00; I2 78%) | 0.40 (CI 0.27-0.54; PI 0.05-0.89; I2 93%) | 0.52 |
| ULTSH 3.3|LLFT4 15 | 0.97 (CI 0.85-0.99; PI 0.10-1.00; I2 77%) | 0.42 (CI 0.28-0.57; PI 0.05-0.91; I2 92%) | 0.53 |
| ULTSH 3.4|LLFT4 15 | 0.96 (CI 0.81-0.99; PI 0.06-1.00; I2 78%) | 0.43 (CI 0.29-0.58; PI 0.06-0.90; I2 91%) | 0.53 |
| ULTSH 3.5|LLFT4 15 | 0.94 (CI 0.80-0.99; PI 0.08-1.00; I2 78%) | 0.46 (CI 0.32-0.61; PI 0.07-0.92; I2 90%) | 0.56 |
| ULTSH 3.6|LLFT4 15 | 0.93 (CI 0.74-0.98; PI 0.05-1.00; I2 81%) | 0.49 (CI 0.35-0.63; PI 0.08-0.91; I2 89%) | 0.57 |
| ULTSH 3.7|LLFT4 15 | 0.90 (CI 0.71-0.97; PI 0.07-1.00; I2 82%) | 0.51 (CI 0.37-0.64; PI 0.09-0.91; I2 88%) | 0.58 |
| ULTSH 3.8|LLFT4 15 | 0.88 (CI 0.69-0.96; PI 0.06-1.00; I2 82%) | 0.52 (CI 0.39-0.66; PI 0.10-0.91; I2 87%) | 0.59 |
| ULTSH 3.9|LLFT4 15 | 0.87 (CI 0.64-0.96; PI 0.04-1.00; I2 80%) | 0.53 (CI 0.40-0.66; PI 0.12-0.91; I2 85%) | 0.59 |
| ULTSH 4.0|LLFT4 15 | 0.85 (CI 0.61-0.96; PI 0.03-1.00; I2 77%) | 0.55 (CI 0.42-0.66; PI 0.14-0.90; I2 83%) | 0.59 |
| ULTSH 4.1|LLFT4 15 | 0.80 (CI 0.57-0.92; PI 0.05-1.00; I2 80%) | 0.56 (CI 0.44-0.67; PI 0.17-0.89; I2 82%) | 0.59 |
| ULTSH 4.2|LLFT4 15 | 0.75 (CI 0.54-0.88; PI 0.06-0.99; I2 78%) | 0.58 (CI 0.47-0.69; PI 0.18-0.90; I2 79%) | 0.59 |
| ULTSH 4.3|LLFT4 15 | 0.69 (CI 0.51-0.82; PI 0.10-0.98; I2 76%) | 0.59 (CI 0.48-0.70; PI 0.20-0.90; I2 76%) | 0.59 |
| ULTSH 4.4|LLFT4 15 | 0.66 (CI 0.48-0.80; PI 0.09-0.97; I2 72%) | 0.61 (CI 0.49-0.72; PI 0.19-0.91; I2 73%) | 0.58 |
| ULTSH 4.5|LLFT4 15 | 0.64 (CI 0.46-0.79; PI 0.08-0.98; I2 72%) | 0.62 (CI 0.51-0.73; PI 0.21-0.91; I2 68%) | 0.58 |
| ULTSH 3.0|LLFT4 np | 0.94 (CI 0.87-0.97; PI 0.46-1.00; I2 81%) | 0.73 (CI 0.53-0.86; PI 0.06-0.99; I2 91%) | 0.78 |
| ULTSH 3.1|LLFT4 np | 0.93 (CI 0.85-0.97; PI 0.40-1.00; I2 82%) | 0.74 (CI 0.55-0.87; PI 0.07-0.99; I2 91%) | 0.77 |
| ULTSH 3.2|LLFT4 np | 0.92 (CI 0.83-0.96; PI 0.41-0.99; I2 83%) | 0.77 (CI 0.59-0.89; PI 0.08-0.99; I2 89%) | 0.78 |
| ULTSH 3.3|LLFT4 np | 0.90 (CI 0.80-0.95; PI 0.33-0.99; I2 83%) | 0.79 (CI 0.61-0.90; PI 0.09-0.99; I2 89%) | 0.78 |
| ULTSH 3.4|LLFT4 np | 0.88 (CI 0.76-0.94; PI 0.23-0.99; I2 85%) | 0.80 (CI 0.62-0.91; PI 0.09-0.99; I2 88%) | 0.76 |
| ULTSH 3.5|LLFT4 np | 0.87 (CI 0.74-0.94; PI 0.21-0.99; I2 83%) | 0.83 (CI 0.66-0.92; PI 0.11-0.99; I2 87%) | 0.77 |
| ULTSH 3.6|LLFT4 np | 0.85 (CI 0.69-0.93; PI 0.14-1.00; I2 84%) | 0.84 (CI 0.69-0.93; PI 0.14-0.99; I2 86%) | 0.77 |
| ULTSH 3.7|LLFT4 np | 0.82 (CI 0.67-0.91; PI 0.16-0.99; I2 85%) | 0.87 (CI 0.74-0.94; PI 0.18-0.99; I2 85%) | 0.78 |
| ULTSH 3.8|LLFT4 np | 0.81 (CI 0.65-0.91; PI 0.14-0.99; I2 84%) | 0.88 (CI 0.76-0.95; PI 0.19-1.00; I2 82%) | 0.78 |
| ULTSH 3.9|LLFT4 np | 0.79 (CI 0.61-0.90; PI 0.10-0.99; I2 84%) | 0.89 (CI 0.77-0.95; PI 0.23-1.00; I2 80%) | 0.77 |
| ULTSH 4.0|LLFT4 np | 0.77 (CI 0.58-0.89; PI 0.09-0.99; I2 83%) | 0.89 (CI 0.78-0.95; PI 0.26-1.00; I2 79%) | 0.76 |
| ULTSH 4.1|LLFT4 np | 0.72 (CI 0.56-0.84; PI 0.12-0.98; I2 85%) | 0.90 (CI 0.79-0.95; PI 0.27-1.00; I2 78%) | 0.75 |
| ULTSH 4.2|LLFT4 np | 0.68 (CI 0.53-0.81; PI 0.13-0.97; I2 83%) | 0.90 (CI 0.80-0.95; PI 0.31-0.99; I2 73%) | 0.73 |
| ULTSH 4.3|LLFT4 np | 0.64 (CI 0.50-0.76; PI 0.15-0.95; I2 81%) | 0.90 (CI 0.81-0.95; PI 0.39-0.99; I2 66%) | 0.71 |
| ULTSH 4.4|LLFT4 np | 0.62 (CI 0.47-0.74; PI 0.13-0.94; I2 79%) | 0.90 (CI 0.83-0.95; PI 0.52-0.99; I2 52%) | 0.70 |
| ULTSH 4.5|LLFT4 np | 0.61 (CI 0.46-0.74; PI 0.12-0.94; I2 79%) | 0.91 (CI 0.84-0.95; PI 0.57-0.99; I2 44%) | 0.70 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 24 – Diagnostic performance for treatment consideration with fixed limits in first trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.79 (CI 0.66-0.88; PI 0.17-0.99; I2 90%) | 0.57 (CI 0.46-0.69; PI 0.15-0.91; I2 95%) | 0.67 |
| ULTSH 3.1|LLFT4 5 | 0.77 (CI 0.64-0.87; PI 0.18-0.98; I2 91%) | 0.60 (CI 0.48-0.71; PI 0.16-0.92; I2 94%) | 0.68 |
| ULTSH 3.2|LLFT4 5 | 0.77 (CI 0.64-0.86; PI 0.19-0.98; I2 92%) | 0.64 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.71 |
| ULTSH 3.3|LLFT4 5 | 0.76 (CI 0.63-0.85; PI 0.19-0.98; I2 92%) | 0.65 (CI 0.52-0.75; PI 0.17-0.94; I2 94%) | 0.70 |
| ULTSH 3.4|LLFT4 5 | 0.77 (CI 0.62-0.87; PI 0.12-0.99; I2 92%) | 0.65 (CI 0.52-0.76; PI 0.16-0.95; I2 94%) | 0.70 |
| ULTSH 3.5|LLFT4 5 | 0.76 (CI 0.59-0.87; PI 0.11-0.99; I2 93%) | 0.67 (CI 0.54-0.78; PI 0.15-0.96; I2 93%) | 0.71 |
| ULTSH 3.6|LLFT4 5 | 0.74 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.68 (CI 0.53-0.80; PI 0.13-0.97; I2 93%) | 0.71 |
| ULTSH 3.7|LLFT4 5 | 0.77 (CI 0.56-0.90; PI 0.05-1.00; I2 92%) | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 93%) | 0.72 |
| ULTSH 3.8|LLFT4 5 | 0.77 (CI 0.55-0.90; PI 0.04-1.00; I2 92%) | 0.70 (CI 0.55-0.82; PI 0.12-0.98; I2 93%) | 0.72 |
| ULTSH 3.9|LLFT4 5 | 0.78 (CI 0.55-0.91; PI 0.04-1.00; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.10-0.98; I2 93%) | 0.74 |
| ULTSH 4.0|LLFT4 5 | 0.76 (CI 0.52-0.91; PI 0.03-1.00; I2 93%) | 0.70 (CI 0.53-0.83; PI 0.09-0.98; I2 92%) | 0.72 |
| ULTSH 4.1|LLFT4 5 | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 94%) | 0.71 (CI 0.52-0.84; PI 0.07-0.99; I2 92%) | 0.69 |
| ULTSH 4.2|LLFT4 5 | 0.62 (CI 0.43-0.77; PI 0.06-0.98; I2 93%) | 0.68 (CI 0.48-0.83; PI 0.06-0.99; I2 90%) | 0.64 |
| ULTSH 4.3|LLFT4 5 | 0.59 (CI 0.41-0.75; PI 0.05-0.97; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 90%) | 0.62 |
| ULTSH 4.4|LLFT4 5 | 0.58 (CI 0.38-0.76; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.80; PI 0.05-0.99; I2 89%) | 0.60 |
| ULTSH 4.5|LLFT4 5 | 0.57 (CI 0.37-0.75; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.60 |
| ULTSH 3.0|LLFT4 6 | 0.79 (CI 0.66-0.88; PI 0.17-0.99; I2 90%) | 0.57 (CI 0.46-0.69; PI 0.15-0.91; I2 95%) | 0.67 |
| ULTSH 3.1|LLFT4 6 | 0.77 (CI 0.64-0.87; PI 0.18-0.98; I2 91%) | 0.60 (CI 0.48-0.71; PI 0.16-0.92; I2 94%) | 0.68 |
| ULTSH 3.2|LLFT4 6 | 0.77 (CI 0.64-0.86; PI 0.19-0.98; I2 92%) | 0.64 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.71 |
| ULTSH 3.3|LLFT4 6 | 0.76 (CI 0.63-0.85; PI 0.19-0.98; I2 92%) | 0.65 (CI 0.52-0.75; PI 0.17-0.94; I2 94%) | 0.70 |
| ULTSH 3.4|LLFT4 6 | 0.77 (CI 0.62-0.87; PI 0.12-0.99; I2 92%) | 0.65 (CI 0.52-0.76; PI 0.16-0.95; I2 94%) | 0.70 |
| ULTSH 3.5|LLFT4 6 | 0.76 (CI 0.59-0.87; PI 0.11-0.99; I2 93%) | 0.67 (CI 0.54-0.78; PI 0.15-0.96; I2 93%) | 0.71 |
| ULTSH 3.6|LLFT4 6 | 0.74 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.68 (CI 0.53-0.80; PI 0.13-0.97; I2 93%) | 0.71 |
| ULTSH 3.7|LLFT4 6 | 0.77 (CI 0.56-0.90; PI 0.05-1.00; I2 92%) | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 93%) | 0.72 |
| ULTSH 3.8|LLFT4 6 | 0.77 (CI 0.55-0.90; PI 0.04-1.00; I2 92%) | 0.70 (CI 0.55-0.82; PI 0.12-0.98; I2 93%) | 0.72 |
| ULTSH 3.9|LLFT4 6 | 0.78 (CI 0.55-0.91; PI 0.04-1.00; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.10-0.98; I2 93%) | 0.74 |
| ULTSH 4.0|LLFT4 6 | 0.76 (CI 0.52-0.91; PI 0.03-1.00; I2 93%) | 0.70 (CI 0.53-0.83; PI 0.09-0.98; I2 92%) | 0.72 |
| ULTSH 4.1|LLFT4 6 | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 94%) | 0.71 (CI 0.52-0.84; PI 0.07-0.99; I2 92%) | 0.69 |
| ULTSH 4.2|LLFT4 6 | 0.62 (CI 0.43-0.77; PI 0.06-0.98; I2 93%) | 0.68 (CI 0.48-0.83; PI 0.06-0.99; I2 90%) | 0.64 |
| ULTSH 4.3|LLFT4 6 | 0.59 (CI 0.41-0.75; PI 0.05-0.97; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 90%) | 0.62 |
| ULTSH 4.4|LLFT4 6 | 0.58 (CI 0.38-0.76; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.80; PI 0.05-0.99; I2 89%) | 0.60 |
| ULTSH 4.5|LLFT4 6 | 0.57 (CI 0.37-0.75; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.60 |
| ULTSH 3.0|LLFT4 7 | 0.79 (CI 0.66-0.88; PI 0.17-0.99; I2 90%) | 0.58 (CI 0.46-0.69; PI 0.15-0.92; I2 95%) | 0.67 |
| ULTSH 3.1|LLFT4 7 | 0.77 (CI 0.64-0.87; PI 0.18-0.98; I2 91%) | 0.60 (CI 0.48-0.71; PI 0.16-0.92; I2 94%) | 0.68 |
| ULTSH 3.2|LLFT4 7 | 0.77 (CI 0.64-0.86; PI 0.19-0.98; I2 92%) | 0.64 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.71 |
| ULTSH 3.3|LLFT4 7 | 0.76 (CI 0.63-0.85; PI 0.19-0.98; I2 92%) | 0.65 (CI 0.52-0.75; PI 0.17-0.94; I2 94%) | 0.70 |
| ULTSH 3.4|LLFT4 7 | 0.77 (CI 0.62-0.87; PI 0.12-0.99; I2 92%) | 0.65 (CI 0.52-0.76; PI 0.16-0.95; I2 94%) | 0.70 |
| ULTSH 3.5|LLFT4 7 | 0.76 (CI 0.59-0.87; PI 0.11-0.99; I2 93%) | 0.67 (CI 0.54-0.78; PI 0.15-0.96; I2 93%) | 0.71 |
| ULTSH 3.6|LLFT4 7 | 0.74 (CI 0.56-0.87; PI 0.07-0.99; I2 93%) | 0.68 (CI 0.53-0.80; PI 0.13-0.97; I2 93%) | 0.71 |
| ULTSH 3.7|LLFT4 7 | 0.77 (CI 0.56-0.90; PI 0.05-1.00; I2 92%) | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 93%) | 0.72 |
| ULTSH 3.8|LLFT4 7 | 0.77 (CI 0.55-0.90; PI 0.04-1.00; I2 92%) | 0.70 (CI 0.55-0.82; PI 0.12-0.98; I2 93%) | 0.72 |
| ULTSH 3.9|LLFT4 7 | 0.78 (CI 0.55-0.91; PI 0.04-1.00; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.10-0.98; I2 93%) | 0.74 |
| ULTSH 4.0|LLFT4 7 | 0.76 (CI 0.52-0.91; PI 0.03-1.00; I2 93%) | 0.70 (CI 0.53-0.83; PI 0.09-0.98; I2 92%) | 0.72 |
| ULTSH 4.1|LLFT4 7 | 0.67 (CI 0.48-0.81; PI 0.07-0.98; I2 94%) | 0.71 (CI 0.52-0.84; PI 0.07-0.99; I2 92%) | 0.69 |
| ULTSH 4.2|LLFT4 7 | 0.62 (CI 0.43-0.77; PI 0.06-0.98; I2 93%) | 0.68 (CI 0.48-0.83; PI 0.06-0.99; I2 90%) | 0.64 |
| ULTSH 4.3|LLFT4 7 | 0.59 (CI 0.41-0.75; PI 0.05-0.97; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 90%) | 0.62 |
| ULTSH 4.4|LLFT4 7 | 0.58 (CI 0.38-0.76; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 89%) | 0.60 |
| ULTSH 4.5|LLFT4 7 | 0.57 (CI 0.37-0.75; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.60 |
| ULTSH 3.0|LLFT4 8 | 0.77 (CI 0.65-0.86; PI 0.20-0.98; I2 90%) | 0.59 (CI 0.46-0.71; PI 0.13-0.93; I2 95%) | 0.67 |
| ULTSH 3.1|LLFT4 8 | 0.77 (CI 0.64-0.86; PI 0.19-0.98; I2 91%) | 0.61 (CI 0.48-0.71; PI 0.16-0.93; I2 95%) | 0.68 |
| ULTSH 3.2|LLFT4 8 | 0.77 (CI 0.64-0.86; PI 0.19-0.98; I2 92%) | 0.65 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.71 |
| ULTSH 3.3|LLFT4 8 | 0.75 (CI 0.63-0.85; PI 0.19-0.98; I2 92%) | 0.65 (CI 0.53-0.76; PI 0.17-0.94; I2 94%) | 0.70 |
| ULTSH 3.4|LLFT4 8 | 0.77 (CI 0.61-0.87; PI 0.12-0.99; I2 92%) | 0.66 (CI 0.53-0.77; PI 0.16-0.95; I2 94%) | 0.70 |
| ULTSH 3.5|LLFT4 8 | 0.75 (CI 0.59-0.87; PI 0.11-0.99; I2 93%) | 0.68 (CI 0.54-0.79; PI 0.15-0.96; I2 93%) | 0.71 |
| ULTSH 3.6|LLFT4 8 | 0.74 (CI 0.55-0.87; PI 0.07-0.99; I2 93%) | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 93%) | 0.71 |
| ULTSH 3.7|LLFT4 8 | 0.77 (CI 0.56-0.90; PI 0.05-1.00; I2 93%) | 0.70 (CI 0.55-0.82; PI 0.12-0.98; I2 93%) | 0.73 |
| ULTSH 3.8|LLFT4 8 | 0.77 (CI 0.55-0.90; PI 0.04-1.00; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.11-0.98; I2 93%) | 0.73 |
| ULTSH 3.9|LLFT4 8 | 0.78 (CI 0.55-0.91; PI 0.04-1.00; I2 93%) | 0.72 (CI 0.55-0.84; PI 0.10-0.98; I2 93%) | 0.75 |
| ULTSH 4.0|LLFT4 8 | 0.76 (CI 0.52-0.90; PI 0.03-1.00; I2 93%) | 0.71 (CI 0.53-0.84; PI 0.08-0.99; I2 92%) | 0.73 |
| ULTSH 4.1|LLFT4 8 | 0.66 (CI 0.48-0.81; PI 0.06-0.98; I2 94%) | 0.71 (CI 0.52-0.85; PI 0.07-0.99; I2 92%) | 0.69 |
| ULTSH 4.2|LLFT4 8 | 0.61 (CI 0.43-0.77; PI 0.06-0.98; I2 93%) | 0.69 (CI 0.49-0.84; PI 0.05-0.99; I2 90%) | 0.64 |
| ULTSH 4.3|LLFT4 8 | 0.59 (CI 0.41-0.75; PI 0.05-0.97; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 90%) | 0.62 |
| ULTSH 4.4|LLFT4 8 | 0.58 (CI 0.38-0.76; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.44-0.80; PI 0.05-0.99; I2 89%) | 0.60 |
| ULTSH 4.5|LLFT4 8 | 0.57 (CI 0.37-0.75; PI 0.03-0.98; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.60 |
| ULTSH 3.0|LLFT4 9 | 0.75 (CI 0.63-0.84; PI 0.20-0.97; I2 89%) | 0.59 (CI 0.46-0.70; PI 0.14-0.93; I2 94%) | 0.65 |
| ULTSH 3.1|LLFT4 9 | 0.75 (CI 0.62-0.85; PI 0.17-0.98; I2 90%) | 0.60 (CI 0.48-0.71; PI 0.16-0.92; I2 94%) | 0.66 |
| ULTSH 3.2|LLFT4 9 | 0.75 (CI 0.62-0.85; PI 0.17-0.98; I2 92%) | 0.64 (CI 0.51-0.76; PI 0.15-0.95; I2 93%) | 0.70 |
| ULTSH 3.3|LLFT4 9 | 0.74 (CI 0.61-0.84; PI 0.17-0.98; I2 93%) | 0.65 (CI 0.53-0.75; PI 0.18-0.94; I2 94%) | 0.69 |
| ULTSH 3.4|LLFT4 9 | 0.76 (CI 0.60-0.87; PI 0.11-0.99; I2 92%) | 0.66 (CI 0.53-0.77; PI 0.16-0.95; I2 94%) | 0.70 |
| ULTSH 3.5|LLFT4 9 | 0.74 (CI 0.57-0.86; PI 0.10-0.99; I2 93%) | 0.68 (CI 0.54-0.79; PI 0.15-0.96; I2 93%) | 0.70 |
| ULTSH 3.6|LLFT4 9 | 0.73 (CI 0.54-0.86; PI 0.07-0.99; I2 93%) | 0.69 (CI 0.54-0.81; PI 0.12-0.97; I2 93%) | 0.70 |
| ULTSH 3.7|LLFT4 9 | 0.74 (CI 0.54-0.87; PI 0.06-0.99; I2 93%) | 0.70 (CI 0.54-0.82; PI 0.11-0.98; I2 94%) | 0.72 |
| ULTSH 3.8|LLFT4 9 | 0.74 (CI 0.53-0.87; PI 0.05-0.99; I2 93%) | 0.71 (CI 0.55-0.83; PI 0.11-0.98; I2 93%) | 0.72 |
| ULTSH 3.9|LLFT4 9 | 0.74 (CI 0.53-0.88; PI 0.05-0.99; I2 94%) | 0.72 (CI 0.55-0.85; PI 0.09-0.99; I2 93%) | 0.73 |
| ULTSH 4.0|LLFT4 9 | 0.73 (CI 0.50-0.88; PI 0.04-0.99; I2 94%) | 0.72 (CI 0.53-0.85; PI 0.07-0.99; I2 92%) | 0.72 |
| ULTSH 4.1|LLFT4 9 | 0.65 (CI 0.46-0.80; PI 0.06-0.98; I2 94%) | 0.72 (CI 0.52-0.86; PI 0.06-0.99; I2 92%) | 0.68 |
| ULTSH 4.2|LLFT4 9 | 0.60 (CI 0.42-0.76; PI 0.05-0.97; I2 94%) | 0.69 (CI 0.48-0.84; PI 0.05-0.99; I2 91%) | 0.64 |
| ULTSH 4.3|LLFT4 9 | 0.58 (CI 0.39-0.74; PI 0.05-0.97; I2 93%) | 0.66 (CI 0.47-0.81; PI 0.06-0.98; I2 91%) | 0.61 |
| ULTSH 4.4|LLFT4 9 | 0.57 (CI 0.37-0.75; PI 0.04-0.98; I2 93%) | 0.64 (CI 0.43-0.80; PI 0.04-0.99; I2 90%) | 0.60 |
| ULTSH 4.5|LLFT4 9 | 0.56 (CI 0.36-0.74; PI 0.03-0.98; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.59 |
| ULTSH 3.0|LLFT4 10 | 0.73 (CI 0.59-0.83; PI 0.15-0.97; I2 90%) | 0.58 (CI 0.46-0.69; PI 0.15-0.91; I2 94%) | 0.63 |
| ULTSH 3.1|LLFT4 10 | 0.73 (CI 0.58-0.84; PI 0.13-0.98; I2 92%) | 0.60 (CI 0.48-0.70; PI 0.17-0.91; I2 94%) | 0.65 |
| ULTSH 3.2|LLFT4 10 | 0.73 (CI 0.59-0.84; PI 0.14-0.98; I2 93%) | 0.64 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.68 |
| ULTSH 3.3|LLFT4 10 | 0.72 (CI 0.58-0.83; PI 0.14-0.98; I2 93%) | 0.64 (CI 0.52-0.75; PI 0.17-0.94; I2 94%) | 0.67 |
| ULTSH 3.4|LLFT4 10 | 0.73 (CI 0.56-0.85; PI 0.09-0.99; I2 93%) | 0.65 (CI 0.52-0.77; PI 0.16-0.95; I2 94%) | 0.68 |
| ULTSH 3.5|LLFT4 10 | 0.72 (CI 0.54-0.84; PI 0.09-0.99; I2 93%) | 0.68 (CI 0.54-0.79; PI 0.15-0.96; I2 94%) | 0.69 |
| ULTSH 3.6|LLFT4 10 | 0.70 (CI 0.51-0.84; PI 0.06-0.99; I2 93%) | 0.69 (CI 0.53-0.81; PI 0.12-0.97; I2 93%) | 0.69 |
| ULTSH 3.7|LLFT4 10 | 0.71 (CI 0.52-0.85; PI 0.06-0.99; I2 93%) | 0.70 (CI 0.54-0.82; PI 0.11-0.98; I2 94%) | 0.69 |
| ULTSH 3.8|LLFT4 10 | 0.71 (CI 0.51-0.85; PI 0.06-0.99; I2 93%) | 0.70 (CI 0.54-0.83; PI 0.11-0.98; I2 93%) | 0.69 |
| ULTSH 3.9|LLFT4 10 | 0.71 (CI 0.51-0.85; PI 0.05-0.99; I2 94%) | 0.72 (CI 0.54-0.85; PI 0.09-0.99; I2 93%) | 0.71 |
| ULTSH 4.0|LLFT4 10 | 0.71 (CI 0.48-0.86; PI 0.04-0.99; I2 94%) | 0.71 (CI 0.53-0.85; PI 0.07-0.99; I2 92%) | 0.70 |
| ULTSH 4.1|LLFT4 10 | 0.63 (CI 0.45-0.78; PI 0.06-0.98; I2 94%) | 0.72 (CI 0.52-0.86; PI 0.06-0.99; I2 92%) | 0.67 |
| ULTSH 4.2|LLFT4 10 | 0.59 (CI 0.40-0.75; PI 0.05-0.97; I2 94%) | 0.68 (CI 0.48-0.83; PI 0.05-0.99; I2 91%) | 0.63 |
| ULTSH 4.3|LLFT4 10 | 0.57 (CI 0.39-0.74; PI 0.05-0.97; I2 94%) | 0.66 (CI 0.46-0.81; PI 0.06-0.98; I2 90%) | 0.61 |
| ULTSH 4.4|LLFT4 10 | 0.56 (CI 0.36-0.75; PI 0.03-0.98; I2 93%) | 0.63 (CI 0.43-0.80; PI 0.04-0.99; I2 90%) | 0.59 |
| ULTSH 4.5|LLFT4 10 | 0.55 (CI 0.35-0.74; PI 0.03-0.98; I2 93%) | 0.64 (CI 0.43-0.80; PI 0.04-0.99; I2 90%) | 0.58 |
| ULTSH 3.0|LLFT4 11 | 0.68 (CI 0.54-0.79; PI 0.14-0.96; I2 92%) | 0.58 (CI 0.46-0.69; PI 0.16-0.91; I2 94%) | 0.61 |
| ULTSH 3.1|LLFT4 11 | 0.68 (CI 0.53-0.80; PI 0.13-0.97; I2 93%) | 0.60 (CI 0.48-0.71; PI 0.16-0.92; I2 94%) | 0.63 |
| ULTSH 3.2|LLFT4 11 | 0.69 (CI 0.54-0.81; PI 0.13-0.97; I2 93%) | 0.64 (CI 0.51-0.76; PI 0.14-0.95; I2 93%) | 0.66 |
| ULTSH 3.3|LLFT4 11 | 0.69 (CI 0.53-0.81; PI 0.12-0.97; I2 94%) | 0.64 (CI 0.52-0.75; PI 0.17-0.94; I2 94%) | 0.65 |
| ULTSH 3.4|LLFT4 11 | 0.70 (CI 0.52-0.84; PI 0.07-0.99; I2 93%) | 0.66 (CI 0.52-0.77; PI 0.15-0.96; I2 94%) | 0.66 |
| ULTSH 3.5|LLFT4 11 | 0.69 (CI 0.50-0.83; PI 0.07-0.98; I2 94%) | 0.68 (CI 0.54-0.80; PI 0.13-0.97; I2 93%) | 0.67 |
| ULTSH 3.6|LLFT4 11 | 0.68 (CI 0.48-0.83; PI 0.05-0.99; I2 93%) | 0.70 (CI 0.53-0.82; PI 0.10-0.98; I2 93%) | 0.68 |
| ULTSH 3.7|LLFT4 11 | 0.68 (CI 0.48-0.83; PI 0.06-0.99; I2 93%) | 0.71 (CI 0.54-0.83; PI 0.10-0.98; I2 93%) | 0.68 |
| ULTSH 3.8|LLFT4 11 | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 93%) | 0.72 (CI 0.55-0.84; PI 0.10-0.98; I2 93%) | 0.68 |
| ULTSH 3.9|LLFT4 11 | 0.67 (CI 0.48-0.82; PI 0.06-0.99; I2 94%) | 0.72 (CI 0.55-0.85; PI 0.08-0.99; I2 93%) | 0.69 |
| ULTSH 4.0|LLFT4 11 | 0.67 (CI 0.45-0.83; PI 0.04-0.99; I2 94%) | 0.72 (CI 0.53-0.85; PI 0.07-0.99; I2 92%) | 0.68 |
| ULTSH 4.1|LLFT4 11 | 0.61 (CI 0.43-0.76; PI 0.06-0.97; I2 94%) | 0.72 (CI 0.52-0.86; PI 0.06-0.99; I2 92%) | 0.65 |
| ULTSH 4.2|LLFT4 11 | 0.57 (CI 0.39-0.73; PI 0.05-0.97; I2 94%) | 0.68 (CI 0.48-0.84; PI 0.05-0.99; I2 91%) | 0.61 |
| ULTSH 4.3|LLFT4 11 | 0.55 (CI 0.37-0.72; PI 0.05-0.97; I2 93%) | 0.65 (CI 0.46-0.81; PI 0.06-0.98; I2 90%) | 0.59 |
| ULTSH 4.4|LLFT4 11 | 0.54 (CI 0.35-0.72; PI 0.04-0.97; I2 93%) | 0.63 (CI 0.43-0.80; PI 0.04-0.98; I2 90%) | 0.58 |
| ULTSH 4.5|LLFT4 11 | 0.53 (CI 0.34-0.72; PI 0.03-0.97; I2 93%) | 0.63 (CI 0.42-0.80; PI 0.04-0.99; I2 90%) | 0.57 |
| ULTSH 3.0|LLFT4 12 | 0.63 (CI 0.51-0.74; PI 0.17-0.94; I2 92%) | 0.61 (CI 0.49-0.71; PI 0.18-0.92; I2 94%) | 0.60 |
| ULTSH 3.1|LLFT4 12 | 0.63 (CI 0.50-0.74; PI 0.16-0.94; I2 92%) | 0.63 (CI 0.51-0.73; PI 0.18-0.93; I2 94%) | 0.62 |
| ULTSH 3.2|LLFT4 12 | 0.64 (CI 0.51-0.75; PI 0.15-0.95; I2 93%) | 0.66 (CI 0.53-0.77; PI 0.16-0.95; I2 93%) | 0.64 |
| ULTSH 3.3|LLFT4 12 | 0.64 (CI 0.50-0.76; PI 0.13-0.96; I2 93%) | 0.66 (CI 0.54-0.76; PI 0.19-0.94; I2 94%) | 0.64 |
| ULTSH 3.4|LLFT4 12 | 0.65 (CI 0.49-0.79; PI 0.09-0.97; I2 93%) | 0.68 (CI 0.54-0.79; PI 0.15-0.96; I2 94%) | 0.65 |
| ULTSH 3.5|LLFT4 12 | 0.64 (CI 0.47-0.78; PI 0.08-0.97; I2 93%) | 0.70 (CI 0.55-0.82; PI 0.12-0.98; I2 93%) | 0.66 |
| ULTSH 3.6|LLFT4 12 | 0.63 (CI 0.46-0.78; PI 0.07-0.97; I2 93%) | 0.72 (CI 0.55-0.85; PI 0.09-0.99; I2 93%) | 0.66 |
| ULTSH 3.7|LLFT4 12 | 0.64 (CI 0.46-0.78; PI 0.07-0.98; I2 93%) | 0.73 (CI 0.56-0.85; PI 0.09-0.99; I2 93%) | 0.67 |
| ULTSH 3.8|LLFT4 12 | 0.63 (CI 0.46-0.78; PI 0.07-0.97; I2 93%) | 0.74 (CI 0.56-0.86; PI 0.09-0.99; I2 93%) | 0.67 |
| ULTSH 3.9|LLFT4 12 | 0.63 (CI 0.46-0.78; PI 0.07-0.98; I2 94%) | 0.74 (CI 0.56-0.87; PI 0.08-0.99; I2 93%) | 0.68 |
| ULTSH 4.0|LLFT4 12 | 0.62 (CI 0.43-0.78; PI 0.06-0.98; I2 94%) | 0.74 (CI 0.55-0.87; PI 0.07-0.99; I2 92%) | 0.67 |
| ULTSH 4.1|LLFT4 12 | 0.58 (CI 0.41-0.73; PI 0.07-0.96; I2 94%) | 0.74 (CI 0.53-0.88; PI 0.05-0.99; I2 92%) | 0.64 |
| ULTSH 4.2|LLFT4 12 | 0.55 (CI 0.37-0.71; PI 0.05-0.96; I2 93%) | 0.70 (CI 0.49-0.86; PI 0.04-0.99; I2 91%) | 0.61 |
| ULTSH 4.3|LLFT4 12 | 0.53 (CI 0.36-0.70; PI 0.05-0.96; I2 93%) | 0.67 (CI 0.47-0.82; PI 0.05-0.99; I2 90%) | 0.59 |
| ULTSH 4.4|LLFT4 12 | 0.53 (CI 0.34-0.71; PI 0.04-0.97; I2 93%) | 0.65 (CI 0.43-0.82; PI 0.04-0.99; I2 90%) | 0.57 |
| ULTSH 4.5|LLFT4 12 | 0.52 (CI 0.33-0.70; PI 0.04-0.97; I2 93%) | 0.64 (CI 0.43-0.81; PI 0.04-0.99; I2 90%) | 0.56 |
| ULTSH 3.0|LLFT4 13 | 0.54 (CI 0.42-0.65; PI 0.14-0.90; I2 89%) | 0.62 (CI 0.50-0.73; PI 0.18-0.92; I2 93%) | 0.55 |
| ULTSH 3.1|LLFT4 13 | 0.54 (CI 0.42-0.65; PI 0.14-0.89; I2 89%) | 0.64 (CI 0.52-0.74; PI 0.19-0.93; I2 93%) | 0.56 |
| ULTSH 3.2|LLFT4 13 | 0.55 (CI 0.43-0.66; PI 0.14-0.90; I2 90%) | 0.68 (CI 0.55-0.78; PI 0.17-0.95; I2 92%) | 0.58 |
| ULTSH 3.3|LLFT4 13 | 0.56 (CI 0.43-0.67; PI 0.13-0.92; I2 91%) | 0.68 (CI 0.56-0.78; PI 0.20-0.95; I2 93%) | 0.59 |
| ULTSH 3.4|LLFT4 13 | 0.56 (CI 0.42-0.70; PI 0.09-0.94; I2 92%) | 0.69 (CI 0.54-0.81; PI 0.13-0.97; I2 93%) | 0.60 |
| ULTSH 3.5|LLFT4 13 | 0.55 (CI 0.41-0.69; PI 0.09-0.94; I2 92%) | 0.71 (CI 0.55-0.83; PI 0.11-0.98; I2 92%) | 0.61 |
| ULTSH 3.6|LLFT4 13 | 0.55 (CI 0.39-0.70; PI 0.07-0.95; I2 92%) | 0.72 (CI 0.54-0.85; PI 0.09-0.99; I2 92%) | 0.61 |
| ULTSH 3.7|LLFT4 13 | 0.56 (CI 0.40-0.70; PI 0.07-0.95; I2 93%) | 0.73 (CI 0.55-0.85; PI 0.08-0.99; I2 92%) | 0.61 |
| ULTSH 3.8|LLFT4 13 | 0.55 (CI 0.39-0.70; PI 0.07-0.95; I2 93%) | 0.73 (CI 0.55-0.85; PI 0.08-0.99; I2 92%) | 0.61 |
| ULTSH 3.9|LLFT4 13 | 0.55 (CI 0.39-0.70; PI 0.07-0.95; I2 93%) | 0.72 (CI 0.54-0.85; PI 0.08-0.99; I2 92%) | 0.62 |
| ULTSH 4.0|LLFT4 13 | 0.54 (CI 0.38-0.70; PI 0.06-0.96; I2 93%) | 0.72 (CI 0.52-0.86; PI 0.06-0.99; I2 91%) | 0.61 |
| ULTSH 4.1|LLFT4 13 | 0.52 (CI 0.36-0.67; PI 0.06-0.94; I2 93%) | 0.73 (CI 0.51-0.87; PI 0.05-0.99; I2 91%) | 0.59 |
| ULTSH 4.2|LLFT4 13 | 0.49 (CI 0.33-0.65; PI 0.06-0.94; I2 93%) | 0.69 (CI 0.47-0.85; PI 0.04-0.99; I2 90%) | 0.56 |
| ULTSH 4.3|LLFT4 13 | 0.48 (CI 0.32-0.64; PI 0.05-0.94; I2 93%) | 0.66 (CI 0.45-0.82; PI 0.05-0.99; I2 90%) | 0.54 |
| ULTSH 4.4|LLFT4 13 | 0.47 (CI 0.31-0.64; PI 0.04-0.95; I2 93%) | 0.64 (CI 0.42-0.81; PI 0.03-0.99; I2 90%) | 0.53 |
| ULTSH 4.5|LLFT4 13 | 0.47 (CI 0.30-0.64; PI 0.04-0.95; I2 92%) | 0.63 (CI 0.41-0.81; PI 0.03-0.99; I2 90%) | 0.52 |
| ULTSH 3.0|LLFT4 14 | 0.45 (CI 0.36-0.55; PI 0.14-0.80; I2 83%) | 0.63 (CI 0.51-0.74; PI 0.19-0.93; I2 92%) | 0.51 |
| ULTSH 3.1|LLFT4 14 | 0.46 (CI 0.36-0.55; PI 0.14-0.81; I2 84%) | 0.65 (CI 0.53-0.76; PI 0.18-0.94; I2 93%) | 0.52 |
| ULTSH 3.2|LLFT4 14 | 0.47 (CI 0.38-0.57; PI 0.15-0.82; I2 84%) | 0.69 (CI 0.56-0.80; PI 0.18-0.96; I2 92%) | 0.54 |
| ULTSH 3.3|LLFT4 14 | 0.48 (CI 0.38-0.59; PI 0.14-0.84; I2 87%) | 0.69 (CI 0.57-0.80; PI 0.18-0.96; I2 92%) | 0.55 |
| ULTSH 3.4|LLFT4 14 | 0.49 (CI 0.37-0.61; PI 0.10-0.89; I2 88%) | 0.70 (CI 0.54-0.82; PI 0.12-0.98; I2 92%) | 0.56 |
| ULTSH 3.5|LLFT4 14 | 0.49 (CI 0.36-0.61; PI 0.10-0.89; I2 89%) | 0.72 (CI 0.55-0.84; PI 0.10-0.98; I2 91%) | 0.56 |
| ULTSH 3.6|LLFT4 14 | 0.48 (CI 0.35-0.61; PI 0.08-0.91; I2 90%) | 0.72 (CI 0.53-0.85; PI 0.07-0.99; I2 91%) | 0.56 |
| ULTSH 3.7|LLFT4 14 | 0.49 (CI 0.36-0.62; PI 0.08-0.91; I2 90%) | 0.72 (CI 0.54-0.86; PI 0.07-0.99; I2 91%) | 0.57 |
| ULTSH 3.8|LLFT4 14 | 0.49 (CI 0.35-0.62; PI 0.08-0.91; I2 90%) | 0.72 (CI 0.53-0.86; PI 0.07-0.99; I2 91%) | 0.57 |
| ULTSH 3.9|LLFT4 14 | 0.49 (CI 0.35-0.63; PI 0.08-0.92; I2 91%) | 0.72 (CI 0.52-0.85; PI 0.06-0.99; I2 91%) | 0.57 |
| ULTSH 4.0|LLFT4 14 | 0.48 (CI 0.33-0.63; PI 0.06-0.93; I2 92%) | 0.71 (CI 0.49-0.86; PI 0.04-0.99; I2 90%) | 0.56 |
| ULTSH 4.1|LLFT4 14 | 0.46 (CI 0.32-0.60; PI 0.06-0.91; I2 91%) | 0.71 (CI 0.48-0.86; PI 0.04-0.99; I2 90%) | 0.54 |
| ULTSH 4.2|LLFT4 14 | 0.44 (CI 0.30-0.60; PI 0.05-0.93; I2 91%) | 0.67 (CI 0.43-0.85; PI 0.03-0.99; I2 88%) | 0.52 |
| ULTSH 4.3|LLFT4 14 | 0.44 (CI 0.29-0.60; PI 0.04-0.93; I2 92%) | 0.64 (CI 0.41-0.81; PI 0.03-0.99; I2 88%) | 0.50 |
| ULTSH 4.4|LLFT4 14 | 0.44 (CI 0.28-0.61; PI 0.04-0.94; I2 92%) | 0.62 (CI 0.40-0.81; PI 0.03-0.99; I2 89%) | 0.50 |
| ULTSH 4.5|LLFT4 14 | 0.43 (CI 0.28-0.61; PI 0.04-0.94; I2 92%) | 0.62 (CI 0.39-0.80; PI 0.03-0.99; I2 90%) | 0.50 |
| ULTSH 3.0|LLFT4 15 | 0.35 (CI 0.29-0.42; PI 0.15-0.62; I2 73%) | 0.66 (CI 0.54-0.77; PI 0.21-0.94; I2 91%) | 0.44 |
| ULTSH 3.1|LLFT4 15 | 0.36 (CI 0.29-0.43; PI 0.14-0.66; I2 75%) | 0.68 (CI 0.54-0.79; PI 0.18-0.95; I2 91%) | 0.45 |
| ULTSH 3.2|LLFT4 15 | 0.38 (CI 0.31-0.46; PI 0.15-0.68; I2 76%) | 0.71 (CI 0.58-0.81; PI 0.18-0.96; I2 91%) | 0.48 |
| ULTSH 3.3|LLFT4 15 | 0.39 (CI 0.31-0.48; PI 0.14-0.72; I2 80%) | 0.71 (CI 0.57-0.81; PI 0.17-0.97; I2 91%) | 0.49 |
| ULTSH 3.4|LLFT4 15 | 0.40 (CI 0.30-0.50; PI 0.10-0.79; I2 84%) | 0.71 (CI 0.54-0.83; PI 0.10-0.98; I2 90%) | 0.49 |
| ULTSH 3.5|LLFT4 15 | 0.40 (CI 0.31-0.51; PI 0.10-0.80; I2 84%) | 0.73 (CI 0.55-0.86; PI 0.08-0.99; I2 90%) | 0.50 |
| ULTSH 3.6|LLFT4 15 | 0.41 (CI 0.30-0.52; PI 0.09-0.83; I2 86%) | 0.72 (CI 0.53-0.86; PI 0.07-0.99; I2 90%) | 0.50 |
| ULTSH 3.7|LLFT4 15 | 0.42 (CI 0.31-0.53; PI 0.09-0.84; I2 87%) | 0.73 (CI 0.53-0.86; PI 0.06-0.99; I2 90%) | 0.51 |
| ULTSH 3.8|LLFT4 15 | 0.42 (CI 0.31-0.54; PI 0.09-0.85; I2 88%) | 0.73 (CI 0.53-0.87; PI 0.06-0.99; I2 90%) | 0.52 |
| ULTSH 3.9|LLFT4 15 | 0.43 (CI 0.31-0.55; PI 0.08-0.86; I2 89%) | 0.73 (CI 0.51-0.87; PI 0.05-0.99; I2 90%) | 0.52 |
| ULTSH 4.0|LLFT4 15 | 0.42 (CI 0.30-0.55; PI 0.07-0.87; I2 90%) | 0.71 (CI 0.48-0.87; PI 0.04-0.99; I2 89%) | 0.51 |
| ULTSH 4.1|LLFT4 15 | 0.40 (CI 0.29-0.53; PI 0.07-0.86; I2 89%) | 0.70 (CI 0.46-0.86; PI 0.03-0.99; I2 90%) | 0.49 |
| ULTSH 4.2|LLFT4 15 | 0.40 (CI 0.27-0.53; PI 0.06-0.87; I2 90%) | 0.66 (CI 0.42-0.84; PI 0.03-0.99; I2 88%) | 0.47 |
| ULTSH 4.3|LLFT4 15 | 0.39 (CI 0.27-0.53; PI 0.05-0.88; I2 90%) | 0.62 (CI 0.40-0.80; PI 0.03-0.99; I2 89%) | 0.47 |
| ULTSH 4.4|LLFT4 15 | 0.39 (CI 0.27-0.54; PI 0.05-0.89; I2 90%) | 0.61 (CI 0.39-0.80; PI 0.03-0.99; I2 89%) | 0.47 |
| ULTSH 4.5|LLFT4 15 | 0.39 (CI 0.26-0.54; PI 0.05-0.89; I2 91%) | 0.61 (CI 0.38-0.79; PI 0.03-0.99; I2 90%) | 0.46 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 25 – Diagnostic performance for treatment indication with relative modifications in first second**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.96 (CI 0.91-0.98; PI 0.85-0.99; I2 0%) | 0.40 (CI 0.26-0.55; PI 0.06-0.86; I2 82%) | 0.59 |
| ULTSH -45%|LLFT4 -20% | 0.95 (CI 0.90-0.98; PI 0.85-0.98; I2 0%) | 0.50 (CI 0.30-0.70; PI 0.04-0.96; I2 81%) | 0.69 |
| ULTSH -40%|LLFT4 -20% | 0.95 (CI 0.88-0.98; PI 0.69-0.99; I2 0%) | 0.59 (CI 0.35-0.79; PI 0.03-0.98; I2 78%) | 0.73 |
| ULTSH -35%|LLFT4 -20% | 0.94 (CI 0.85-0.98; PI 0.58-0.99; I2 0%) | 0.66 (CI 0.42-0.83; PI 0.05-0.99; I2 77%) | 0.77 |
| ULTSH -30%|LLFT4 -20% | 0.92 (CI 0.81-0.97; PI 0.43-0.99; I2 14%) | 0.68 (CI 0.47-0.84; PI 0.07-0.98; I2 75%) | 0.77 |
| ULTSH -25%|LLFT4 -20% | 0.91 (CI 0.76-0.97; PI 0.22-1.00; I2 48%) | 0.72 (CI 0.55-0.85; PI 0.16-0.97; I2 68%) | 0.77 |
| ULTSH -20%|LLFT4 -20% | 0.91 (CI 0.70-0.98; PI 0.11-1.00; I2 58%) | 0.75 (CI 0.61-0.86; PI 0.25-0.97; I2 62%) | 0.77 |
| ULTSH -15%|LLFT4 -20% | 0.84 (CI 0.64-0.94; PI 0.12-1.00; I2 65%) | 0.80 (CI 0.63-0.90; PI 0.19-0.98; I2 56%) | 0.78 |
| ULTSH -10%|LLFT4 -20% | 0.77 (CI 0.54-0.90; PI 0.08-0.99; I2 66%) | 0.81 (CI 0.65-0.90; PI 0.24-0.98; I2 46%) | 0.75 |
| ULTSH -5%|LLFT4 -20% | 0.69 (CI 0.47-0.85; PI 0.07-0.99; I2 59%) | 0.80 (CI 0.62-0.91; PI 0.17-0.99; I2 47%) | 0.72 |
| ULTSH NP|LLFT4 -20% | 0.63 (CI 0.44-0.79; PI 0.09-0.97; I2 74%) | 0.82 (CI 0.67-0.91; PI 0.30-0.98; I2 26%) | 0.70 |
| ULTSH -50%|LLFT4 -15% | 0.96 (CI 0.93-0.98; PI 0.93-0.98; I2 0%) | 0.38 (CI 0.25-0.54; PI 0.05-0.87; I2 85%) | 0.58 |
| ULTSH -45%|LLFT4 -15% | 0.96 (CI 0.93-0.98; PI 0.92-0.98; I2 0%) | 0.49 (CI 0.28-0.70; PI 0.03-0.97; I2 85%) | 0.68 |
| ULTSH -40%|LLFT4 -15% | 0.95 (CI 0.89-0.98; PI 0.73-0.99; I2 0%) | 0.57 (CI 0.33-0.79; PI 0.03-0.99; I2 82%) | 0.73 |
| ULTSH -35%|LLFT4 -15% | 0.95 (CI 0.86-0.98; PI 0.59-1.00; I2 0%) | 0.65 (CI 0.41-0.83; PI 0.04-0.99; I2 81%) | 0.77 |
| ULTSH -30%|LLFT4 -15% | 0.93 (CI 0.82-0.97; PI 0.43-1.00; I2 0%) | 0.67 (CI 0.45-0.84; PI 0.06-0.99; I2 80%) | 0.76 |
| ULTSH -25%|LLFT4 -15% | 0.92 (CI 0.77-0.98; PI 0.20-1.00; I2 40%) | 0.71 (CI 0.53-0.85; PI 0.13-0.98; I2 75%) | 0.77 |
| ULTSH -20%|LLFT4 -15% | 0.92 (CI 0.71-0.98; PI 0.09-1.00; I2 52%) | 0.74 (CI 0.58-0.86; PI 0.20-0.97; I2 70%) | 0.76 |
| ULTSH -15%|LLFT4 -15% | 0.85 (CI 0.64-0.94; PI 0.11-1.00; I2 65%) | 0.79 (CI 0.61-0.90; PI 0.17-0.99; I2 60%) | 0.78 |
| ULTSH -10%|LLFT4 -15% | 0.77 (CI 0.54-0.90; PI 0.08-0.99; I2 67%) | 0.79 (CI 0.64-0.89; PI 0.24-0.98; I2 42%) | 0.74 |
| ULTSH -5%|LLFT4 -15% | 0.70 (CI 0.47-0.86; PI 0.07-0.99; I2 61%) | 0.79 (CI 0.62-0.90; PI 0.23-0.98; I2 35%) | 0.71 |
| ULTSH NP|LLFT4 -15% | 0.63 (CI 0.44-0.79; PI 0.09-0.97; I2 74%) | 0.81 (CI 0.68-0.90; PI 0.39-0.97; I2 9%) | 0.69 |
| ULTSH -50%|LLFT4 -10% | 0.98 (CI 0.95-0.99; PI 0.94-0.99; I2 0%) | 0.37 (CI 0.22-0.54; PI 0.04-0.89; I2 89%) | 0.57 |
| ULTSH -45%|LLFT4 -10% | 0.97 (CI 0.94-0.99; PI 0.94-0.99; I2 0%) | 0.48 (CI 0.26-0.70; PI 0.02-0.97; I2 88%) | 0.69 |
| ULTSH -40%|LLFT4 -10% | 0.96 (CI 0.91-0.98; PI 0.80-0.99; I2 0%) | 0.56 (CI 0.31-0.79; PI 0.02-0.99; I2 86%) | 0.73 |
| ULTSH -35%|LLFT4 -10% | 0.95 (CI 0.87-0.98; PI 0.64-0.99; I2 0%) | 0.64 (CI 0.38-0.83; PI 0.03-0.99; I2 85%) | 0.77 |
| ULTSH -30%|LLFT4 -10% | 0.93 (CI 0.83-0.97; PI 0.47-0.99; I2 0%) | 0.66 (CI 0.43-0.84; PI 0.04-0.99; I2 84%) | 0.76 |
| ULTSH -25%|LLFT4 -10% | 0.92 (CI 0.77-0.98; PI 0.22-1.00; I2 35%) | 0.71 (CI 0.51-0.85; PI 0.10-0.98; I2 79%) | 0.76 |
| ULTSH -20%|LLFT4 -10% | 0.92 (CI 0.72-0.98; PI 0.10-1.00; I2 50%) | 0.74 (CI 0.56-0.86; PI 0.16-0.98; I2 75%) | 0.76 |
| ULTSH -15%|LLFT4 -10% | 0.85 (CI 0.65-0.94; PI 0.12-1.00; I2 63%) | 0.78 (CI 0.59-0.90; PI 0.13-0.99; I2 66%) | 0.77 |
| ULTSH -10%|LLFT4 -10% | 0.77 (CI 0.55-0.90; PI 0.09-0.99; I2 65%) | 0.78 (CI 0.61-0.89; PI 0.19-0.98; I2 49%) | 0.74 |
| ULTSH -5%|LLFT4 -10% | 0.70 (CI 0.48-0.86; PI 0.08-0.99; I2 59%) | 0.78 (CI 0.60-0.89; PI 0.18-0.98; I2 39%) | 0.70 |
| ULTSH NP|LLFT4 -10% | 0.64 (CI 0.45-0.79; PI 0.10-0.96; I2 73%) | 0.79 (CI 0.65-0.89; PI 0.31-0.97; I2 19%) | 0.68 |
| ULTSH -50%|LLFT4 -5% | 0.98 (CI 0.95-0.99; PI 0.94-0.99; I2 0%) | 0.34 (CI 0.20-0.52; PI 0.03-0.90; I2 90%) | 0.55 |
| ULTSH -45%|LLFT4 -5% | 0.97 (CI 0.94-0.99; PI 0.94-0.99; I2 0%) | 0.44 (CI 0.24-0.66; PI 0.02-0.97; I2 90%) | 0.65 |
| ULTSH -40%|LLFT4 -5% | 0.96 (CI 0.91-0.98; PI 0.80-0.99; I2 0%) | 0.53 (CI 0.28-0.76; PI 0.02-0.99; I2 89%) | 0.71 |
| ULTSH -35%|LLFT4 -5% | 0.95 (CI 0.87-0.98; PI 0.64-0.99; I2 0%) | 0.61 (CI 0.35-0.82; PI 0.02-0.99; I2 87%) | 0.76 |
| ULTSH -30%|LLFT4 -5% | 0.93 (CI 0.83-0.97; PI 0.47-0.99; I2 0%) | 0.64 (CI 0.39-0.83; PI 0.04-0.99; I2 86%) | 0.74 |
| ULTSH -25%|LLFT4 -5% | 0.92 (CI 0.77-0.98; PI 0.22-1.00; I2 35%) | 0.68 (CI 0.47-0.84; PI 0.07-0.98; I2 83%) | 0.75 |
| ULTSH -20%|LLFT4 -5% | 0.92 (CI 0.72-0.98; PI 0.10-1.00; I2 50%) | 0.71 (CI 0.52-0.85; PI 0.12-0.98; I2 79%) | 0.75 |
| ULTSH -15%|LLFT4 -5% | 0.85 (CI 0.65-0.94; PI 0.12-1.00; I2 63%) | 0.76 (CI 0.55-0.89; PI 0.10-0.99; I2 71%) | 0.76 |
| ULTSH -10%|LLFT4 -5% | 0.77 (CI 0.55-0.90; PI 0.09-0.99; I2 65%) | 0.76 (CI 0.57-0.88; PI 0.14-0.98; I2 57%) | 0.72 |
| ULTSH -5%|LLFT4 -5% | 0.70 (CI 0.48-0.86; PI 0.08-0.99; I2 59%) | 0.75 (CI 0.55-0.88; PI 0.13-0.98; I2 49%) | 0.68 |
| ULTSH NP|LLFT4 -5% | 0.64 (CI 0.45-0.79; PI 0.10-0.96; I2 73%) | 0.75 (CI 0.58-0.87; PI 0.19-0.97; I2 38%) | 0.66 |
| ULTSH -50%|LLFT4 NP | 0.98 (CI 0.95-0.99; PI 0.95-0.99; I2 0%) | 0.30 (CI 0.16-0.49; PI 0.02-0.91; I2 92%) | 0.50 |
| ULTSH -45%|LLFT4 NP | 0.98 (CI 0.94-0.99; PI 0.92-0.99; I2 0%) | 0.39 (CI 0.19-0.63; PI 0.01-0.97; I2 92%) | 0.61 |
| ULTSH -40%|LLFT4 NP | 0.97 (CI 0.91-0.99; PI 0.76-1.00; I2 0%) | 0.47 (CI 0.23-0.73; PI 0.01-0.99; I2 91%) | 0.67 |
| ULTSH -35%|LLFT4 NP | 0.96 (CI 0.87-0.99; PI 0.57-1.00; I2 0%) | 0.55 (CI 0.29-0.79; PI 0.02-0.99; I2 90%) | 0.72 |
| ULTSH -30%|LLFT4 NP | 0.94 (CI 0.83-0.98; PI 0.40-1.00; I2 0%) | 0.60 (CI 0.34-0.81; PI 0.02-0.99; I2 89%) | 0.71 |
| ULTSH -25%|LLFT4 NP | 0.94 (CI 0.78-0.99; PI 0.17-1.00; I2 11%) | 0.64 (CI 0.41-0.82; PI 0.05-0.98; I2 86%) | 0.72 |
| ULTSH -20%|LLFT4 NP | 0.94 (CI 0.72-0.99; PI 0.07-1.00; I2 29%) | 0.69 (CI 0.48-0.84; PI 0.08-0.98; I2 83%) | 0.73 |
| ULTSH -15%|LLFT4 NP | 0.87 (CI 0.65-0.96; PI 0.09-1.00; I2 54%) | 0.73 (CI 0.50-0.88; PI 0.07-0.99; I2 77%) | 0.73 |
| ULTSH -10%|LLFT4 NP | 0.80 (CI 0.55-0.93; PI 0.06-1.00; I2 55%) | 0.72 (CI 0.51-0.87; PI 0.09-0.99; I2 68%) | 0.69 |
| ULTSH -5%|LLFT4 NP | 0.72 (CI 0.48-0.88; PI 0.05-0.99; I2 44%) | 0.70 (CI 0.47-0.86; PI 0.07-0.99; I2 62%) | 0.65 |
| ULTSH NP|LLFT4 NP | 0.66 (CI 0.45-0.82; PI 0.08-0.98; I2 67%) | 0.71 (CI 0.51-0.86; PI 0.11-0.98; I2 51%) | 0.64 |
| ULTSH -50%|LLFT4 +5% | 0.99 (CI 0.93-1.00; PI 0.83-1.00; I2 0%) | 0.27 (CI 0.14-0.46; PI 0.01-0.91; I2 93%) | 0.47 |
| ULTSH -45%|LLFT4 +5% | 0.99 (CI 0.91-1.00; PI 0.71-1.00; I2 0%) | 0.36 (CI 0.17-0.60; PI 0.01-0.97; I2 92%) | 0.57 |
| ULTSH -40%|LLFT4 +5% | 0.99 (CI 0.90-1.00; PI 0.59-1.00; I2 0%) | 0.44 (CI 0.21-0.71; PI 0.01-0.99; I2 92%) | 0.64 |
| ULTSH -35%|LLFT4 +5% | 0.99 (CI 0.84-1.00; PI 0.25-1.00; I2 0%) | 0.52 (CI 0.26-0.77; PI 0.01-0.99; I2 91%) | 0.69 |
| ULTSH -30%|LLFT4 +5% | 0.98 (CI 0.82-1.00; PI 0.19-1.00; I2 0%) | 0.57 (CI 0.30-0.80; PI 0.02-0.99; I2 90%) | 0.68 |
| ULTSH -25%|LLFT4 +5% | 0.98 (CI 0.77-1.00; PI 0.05-1.00; I2 0%) | 0.60 (CI 0.36-0.80; PI 0.03-0.99; I2 88%) | 0.69 |
| ULTSH -20%|LLFT4 +5% | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.65 (CI 0.42-0.82; PI 0.05-0.98; I2 86%) | 0.70 |
| ULTSH -15%|LLFT4 +5% | 0.90 (CI 0.67-0.98; PI 0.06-1.00; I2 46%) | 0.70 (CI 0.45-0.87; PI 0.04-0.99; I2 81%) | 0.71 |
| ULTSH -10%|LLFT4 +5% | 0.83 (CI 0.56-0.95; PI 0.05-1.00; I2 51%) | 0.70 (CI 0.47-0.86; PI 0.06-0.99; I2 74%) | 0.68 |
| ULTSH -5%|LLFT4 +5% | 0.75 (CI 0.48-0.91; PI 0.04-1.00; I2 34%) | 0.68 (CI 0.43-0.86; PI 0.05-0.99; I2 68%) | 0.64 |
| ULTSH NP|LLFT4 +5% | 0.68 (CI 0.45-0.85; PI 0.07-0.98; I2 64%) | 0.69 (CI 0.47-0.85; PI 0.08-0.98; I2 60%) | 0.63 |
| ULTSH -50%|LLFT4 +10% | 0.99 (CI 0.93-1.00; PI 0.83-1.00; I2 0%) | 0.23 (CI 0.12-0.41; PI 0.01-0.90; I2 93%) | 0.42 |
| ULTSH -45%|LLFT4 +10% | 0.99 (CI 0.91-1.00; PI 0.71-1.00; I2 0%) | 0.32 (CI 0.14-0.56; PI 0.01-0.96; I2 93%) | 0.53 |
| ULTSH -40%|LLFT4 +10% | 0.99 (CI 0.90-1.00; PI 0.59-1.00; I2 0%) | 0.40 (CI 0.18-0.68; PI 0.01-0.98; I2 92%) | 0.60 |
| ULTSH -35%|LLFT4 +10% | 0.99 (CI 0.84-1.00; PI 0.25-1.00; I2 0%) | 0.47 (CI 0.22-0.74; PI 0.01-0.99; I2 91%) | 0.65 |
| ULTSH -30%|LLFT4 +10% | 0.98 (CI 0.82-1.00; PI 0.19-1.00; I2 0%) | 0.52 (CI 0.27-0.76; PI 0.02-0.99; I2 90%) | 0.65 |
| ULTSH -25%|LLFT4 +10% | 0.98 (CI 0.77-1.00; PI 0.05-1.00; I2 0%) | 0.56 (CI 0.32-0.77; PI 0.03-0.98; I2 88%) | 0.66 |
| ULTSH -20%|LLFT4 +10% | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.59 (CI 0.37-0.78; PI 0.05-0.98; I2 86%) | 0.66 |
| ULTSH -15%|LLFT4 +10% | 0.90 (CI 0.67-0.98; PI 0.06-1.00; I2 46%) | 0.62 (CI 0.39-0.80; PI 0.05-0.98; I2 84%) | 0.66 |
| ULTSH -10%|LLFT4 +10% | 0.83 (CI 0.56-0.95; PI 0.05-1.00; I2 51%) | 0.62 (CI 0.40-0.79; PI 0.07-0.97; I2 77%) | 0.63 |
| ULTSH -5%|LLFT4 +10% | 0.75 (CI 0.48-0.91; PI 0.04-1.00; I2 34%) | 0.60 (CI 0.38-0.78; PI 0.07-0.97; I2 69%) | 0.60 |
| ULTSH NP|LLFT4 +10% | 0.68 (CI 0.45-0.85; PI 0.07-0.98; I2 64%) | 0.62 (CI 0.44-0.77; PI 0.13-0.95; I2 58%) | 0.60 |
| ULTSH -50%|LLFT4 +15% | 1.00 (CI 0.97-1.00; PI 0.96-1.00; I2 0%) | 0.20 (CI 0.09-0.38; PI 0.01-0.89; I2 94%) | 0.38 |
| ULTSH -45%|LLFT4 +15% | 1.00 (CI 0.56-1.00; PI 0.13-1.00; I2 0%) | 0.27 (CI 0.12-0.52; PI 0.01-0.96; I2 93%) | 0.48 |
| ULTSH -40%|LLFT4 +15% | 1.00 (CI 0.86-1.00; PI 0.29-1.00; I2 0%) | 0.35 (CI 0.14-0.63; PI 0.00-0.98; I2 92%) | 0.57 |
| ULTSH -35%|LLFT4 +15% | 0.99 (CI 0.85-1.00; PI 0.30-1.00; I2 0%) | 0.40 (CI 0.18-0.67; PI 0.01-0.98; I2 91%) | 0.58 |
| ULTSH -30%|LLFT4 +15% | 0.97 (CI 0.82-1.00; PI 0.21-1.00; I2 0%) | 0.45 (CI 0.22-0.71; PI 0.01-0.98; I2 90%) | 0.60 |
| ULTSH -25%|LLFT4 +15% | 0.98 (CI 0.77-1.00; PI 0.06-1.00; I2 0%) | 0.49 (CI 0.26-0.72; PI 0.02-0.98; I2 88%) | 0.60 |
| ULTSH -20%|LLFT4 +15% | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.53 (CI 0.31-0.74; PI 0.03-0.97; I2 86%) | 0.61 |
| ULTSH -15%|LLFT4 +15% | 0.90 (CI 0.67-0.98; PI 0.07-1.00; I2 44%) | 0.56 (CI 0.33-0.76; PI 0.04-0.97; I2 85%) | 0.61 |
| ULTSH -10%|LLFT4 +15% | 0.83 (CI 0.56-0.95; PI 0.05-1.00; I2 51%) | 0.55 (CI 0.34-0.74; PI 0.05-0.96; I2 79%) | 0.59 |
| ULTSH -5%|LLFT4 +15% | 0.75 (CI 0.48-0.91; PI 0.04-1.00; I2 34%) | 0.54 (CI 0.32-0.74; PI 0.05-0.96; I2 70%) | 0.57 |
| ULTSH NP|LLFT4 +15% | 0.68 (CI 0.45-0.85; PI 0.07-0.98; I2 64%) | 0.57 (CI 0.39-0.73; PI 0.11-0.94; I2 58%) | 0.58 |
| ULTSH -50%|LLFT4 +20% | 1.00 (CI 0.97-1.00; PI 0.96-1.00; I2 0%) | 0.18 (CI 0.08-0.34; PI 0.01-0.88; I2 94%) | 0.34 |
| ULTSH -45%|LLFT4 +20% | 1.00 (CI 0.56-1.00; PI 0.13-1.00; I2 0%) | 0.24 (CI 0.10-0.48; PI 0.00-0.95; I2 93%) | 0.44 |
| ULTSH -40%|LLFT4 +20% | 1.00 (CI 0.86-1.00; PI 0.29-1.00; I2 0%) | 0.31 (CI 0.13-0.58; PI 0.00-0.98; I2 92%) | 0.51 |
| ULTSH -35%|LLFT4 +20% | 0.99 (CI 0.85-1.00; PI 0.30-1.00; I2 0%) | 0.37 (CI 0.16-0.65; PI 0.01-0.98; I2 91%) | 0.55 |
| ULTSH -30%|LLFT4 +20% | 0.97 (CI 0.82-1.00; PI 0.21-1.00; I2 0%) | 0.41 (CI 0.19-0.67; PI 0.01-0.98; I2 90%) | 0.56 |
| ULTSH -25%|LLFT4 +20% | 0.98 (CI 0.77-1.00; PI 0.06-1.00; I2 0%) | 0.44 (CI 0.23-0.68; PI 0.02-0.97; I2 87%) | 0.56 |
| ULTSH -20%|LLFT4 +20% | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.49 (CI 0.28-0.69; PI 0.03-0.96; I2 86%) | 0.57 |
| ULTSH -15%|LLFT4 +20% | 0.90 (CI 0.67-0.98; PI 0.07-1.00; I2 44%) | 0.51 (CI 0.30-0.71; PI 0.04-0.96; I2 84%) | 0.58 |
| ULTSH -10%|LLFT4 +20% | 0.83 (CI 0.56-0.95; PI 0.05-1.00; I2 51%) | 0.51 (CI 0.31-0.70; PI 0.05-0.95; I2 78%) | 0.56 |
| ULTSH -5%|LLFT4 +20% | 0.75 (CI 0.48-0.91; PI 0.04-1.00; I2 34%) | 0.50 (CI 0.30-0.70; PI 0.04-0.96; I2 71%) | 0.56 |
| ULTSH NP|LLFT4 +20% | 0.68 (CI 0.45-0.85; PI 0.07-0.98; I2 64%) | 0.53 (CI 0.36-0.70; PI 0.09-0.93; I2 60%) | 0.56 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 26 – Diagnostic performance for treatment consideration with relative modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -50%|LLFT4 -20% | 0.70 (CI 0.60-0.78; PI 0.32-0.92; I2 73%) | 0.18 (CI 0.10-0.29; PI 0.02-0.74; I2 95%) | 0.29 |
| ULTSH -45%|LLFT4 -20% | 0.78 (CI 0.65-0.87; PI 0.23-0.98; I2 79%) | 0.28 (CI 0.15-0.48; PI 0.01-0.93; I2 96%) | 0.43 |
| ULTSH -40%|LLFT4 -20% | 0.76 (CI 0.63-0.86; PI 0.23-0.97; I2 68%) | 0.36 (CI 0.19-0.57; PI 0.02-0.95; I2 95%) | 0.49 |
| ULTSH -35%|LLFT4 -20% | 0.78 (CI 0.63-0.88; PI 0.20-0.98; I2 54%) | 0.47 (CI 0.25-0.70; PI 0.02-0.98; I2 93%) | 0.61 |
| ULTSH -30%|LLFT4 -20% | 0.72 (CI 0.64-0.79; PI 0.42-0.90; I2 68%) | 0.50 (CI 0.33-0.68; PI 0.05-0.95; I2 92%) | 0.58 |
| ULTSH -25%|LLFT4 -20% | 0.74 (CI 0.64-0.83; PI 0.33-0.94; I2 76%) | 0.54 (CI 0.39-0.69; PI 0.09-0.93; I2 90%) | 0.61 |
| ULTSH -20%|LLFT4 -20% | 0.77 (CI 0.60-0.88; PI 0.14-0.99; I2 84%) | 0.60 (CI 0.44-0.74; PI 0.10-0.95; I2 90%) | 0.67 |
| ULTSH -15%|LLFT4 -20% | 0.78 (CI 0.56-0.90; PI 0.07-0.99; I2 89%) | 0.63 (CI 0.44-0.79; PI 0.08-0.97; I2 89%) | 0.70 |
| ULTSH -10%|LLFT4 -20% | 0.73 (CI 0.55-0.86; PI 0.11-0.98; I2 90%) | 0.65 (CI 0.48-0.78; PI 0.12-0.96; I2 86%) | 0.67 |
| ULTSH -5%|LLFT4 -20% | 0.70 (CI 0.50-0.84; PI 0.08-0.98; I2 87%) | 0.65 (CI 0.50-0.78; PI 0.15-0.95; I2 85%) | 0.66 |
| ULTSH NP|LLFT4 -20% | 0.65 (CI 0.47-0.79; PI 0.10-0.97; I2 89%) | 0.67 (CI 0.51-0.79; PI 0.15-0.96; I2 82%) | 0.65 |
| ULTSH -50%|LLFT4 -15% | 0.69 (CI 0.59-0.78; PI 0.31-0.92; I2 74%) | 0.18 (CI 0.10-0.29; PI 0.02-0.74; I2 95%) | 0.29 |
| ULTSH -45%|LLFT4 -15% | 0.78 (CI 0.65-0.87; PI 0.23-0.98; I2 80%) | 0.29 (CI 0.15-0.48; PI 0.01-0.93; I2 96%) | 0.44 |
| ULTSH -40%|LLFT4 -15% | 0.76 (CI 0.62-0.86; PI 0.22-0.97; I2 70%) | 0.37 (CI 0.19-0.58; PI 0.02-0.95; I2 95%) | 0.50 |
| ULTSH -35%|LLFT4 -15% | 0.77 (CI 0.63-0.88; PI 0.19-0.98; I2 54%) | 0.48 (CI 0.26-0.71; PI 0.02-0.98; I2 93%) | 0.61 |
| ULTSH -30%|LLFT4 -15% | 0.72 (CI 0.64-0.79; PI 0.42-0.90; I2 68%) | 0.51 (CI 0.33-0.69; PI 0.05-0.95; I2 92%) | 0.58 |
| ULTSH -25%|LLFT4 -15% | 0.74 (CI 0.63-0.82; PI 0.33-0.94; I2 75%) | 0.55 (CI 0.39-0.70; PI 0.09-0.93; I2 90%) | 0.61 |
| ULTSH -20%|LLFT4 -15% | 0.77 (CI 0.60-0.88; PI 0.14-0.99; I2 83%) | 0.60 (CI 0.44-0.75; PI 0.10-0.95; I2 90%) | 0.67 |
| ULTSH -15%|LLFT4 -15% | 0.77 (CI 0.56-0.90; PI 0.07-0.99; I2 89%) | 0.64 (CI 0.44-0.80; PI 0.07-0.98; I2 89%) | 0.70 |
| ULTSH -10%|LLFT4 -15% | 0.72 (CI 0.55-0.84; PI 0.13-0.98; I2 90%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 86%) | 0.67 |
| ULTSH -5%|LLFT4 -15% | 0.68 (CI 0.51-0.81; PI 0.11-0.97; I2 89%) | 0.66 (CI 0.50-0.78; PI 0.15-0.96; I2 86%) | 0.65 |
| ULTSH NP|LLFT4 -15% | 0.64 (CI 0.47-0.78; PI 0.11-0.96; I2 88%) | 0.67 (CI 0.52-0.79; PI 0.15-0.96; I2 82%) | 0.64 |
| ULTSH -50%|LLFT4 -10% | 0.69 (CI 0.58-0.78; PI 0.29-0.92; I2 77%) | 0.18 (CI 0.10-0.30; PI 0.02-0.75; I2 95%) | 0.29 |
| ULTSH -45%|LLFT4 -10% | 0.77 (CI 0.63-0.87; PI 0.20-0.98; I2 81%) | 0.29 (CI 0.15-0.49; PI 0.01-0.94; I2 96%) | 0.44 |
| ULTSH -40%|LLFT4 -10% | 0.76 (CI 0.61-0.86; PI 0.20-0.97; I2 72%) | 0.38 (CI 0.19-0.60; PI 0.01-0.96; I2 95%) | 0.50 |
| ULTSH -35%|LLFT4 -10% | 0.77 (CI 0.62-0.87; PI 0.17-0.98; I2 57%) | 0.49 (CI 0.26-0.72; PI 0.02-0.98; I2 93%) | 0.61 |
| ULTSH -30%|LLFT4 -10% | 0.71 (CI 0.63-0.79; PI 0.39-0.90; I2 70%) | 0.52 (CI 0.33-0.70; PI 0.05-0.96; I2 92%) | 0.58 |
| ULTSH -25%|LLFT4 -10% | 0.73 (CI 0.62-0.82; PI 0.31-0.94; I2 75%) | 0.55 (CI 0.39-0.70; PI 0.09-0.94; I2 90%) | 0.61 |
| ULTSH -20%|LLFT4 -10% | 0.76 (CI 0.59-0.88; PI 0.13-0.99; I2 83%) | 0.61 (CI 0.44-0.75; PI 0.10-0.95; I2 90%) | 0.67 |
| ULTSH -15%|LLFT4 -10% | 0.76 (CI 0.55-0.90; PI 0.07-0.99; I2 88%) | 0.64 (CI 0.45-0.80; PI 0.07-0.98; I2 89%) | 0.70 |
| ULTSH -10%|LLFT4 -10% | 0.71 (CI 0.54-0.83; PI 0.13-0.97; I2 90%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 87%) | 0.67 |
| ULTSH -5%|LLFT4 -10% | 0.66 (CI 0.50-0.79; PI 0.13-0.96; I2 89%) | 0.66 (CI 0.50-0.78; PI 0.14-0.96; I2 85%) | 0.65 |
| ULTSH NP|LLFT4 -10% | 0.63 (CI 0.47-0.76; PI 0.12-0.95; I2 88%) | 0.67 (CI 0.52-0.79; PI 0.16-0.96; I2 81%) | 0.63 |
| ULTSH -50%|LLFT4 -5% | 0.67 (CI 0.56-0.77; PI 0.27-0.92; I2 78%) | 0.18 (CI 0.10-0.30; PI 0.02-0.75; I2 95%) | 0.29 |
| ULTSH -45%|LLFT4 -5% | 0.75 (CI 0.62-0.85; PI 0.22-0.97; I2 84%) | 0.29 (CI 0.15-0.50; PI 0.01-0.94; I2 96%) | 0.44 |
| ULTSH -40%|LLFT4 -5% | 0.75 (CI 0.60-0.86; PI 0.17-0.98; I2 75%) | 0.38 (CI 0.19-0.60; PI 0.01-0.96; I2 95%) | 0.50 |
| ULTSH -35%|LLFT4 -5% | 0.76 (CI 0.60-0.87; PI 0.15-0.98; I2 62%) | 0.49 (CI 0.26-0.72; PI 0.02-0.98; I2 92%) | 0.61 |
| ULTSH -30%|LLFT4 -5% | 0.70 (CI 0.61-0.78; PI 0.35-0.91; I2 74%) | 0.52 (CI 0.33-0.69; PI 0.05-0.96; I2 91%) | 0.58 |
| ULTSH -25%|LLFT4 -5% | 0.72 (CI 0.61-0.81; PI 0.28-0.95; I2 77%) | 0.55 (CI 0.40-0.70; PI 0.09-0.94; I2 90%) | 0.61 |
| ULTSH -20%|LLFT4 -5% | 0.75 (CI 0.57-0.87; PI 0.12-0.99; I2 83%) | 0.61 (CI 0.45-0.75; PI 0.11-0.95; I2 90%) | 0.67 |
| ULTSH -15%|LLFT4 -5% | 0.75 (CI 0.53-0.89; PI 0.06-0.99; I2 88%) | 0.64 (CI 0.45-0.80; PI 0.07-0.98; I2 89%) | 0.69 |
| ULTSH -10%|LLFT4 -5% | 0.69 (CI 0.53-0.82; PI 0.13-0.97; I2 89%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 86%) | 0.66 |
| ULTSH -5%|LLFT4 -5% | 0.65 (CI 0.49-0.78; PI 0.13-0.96; I2 89%) | 0.66 (CI 0.50-0.78; PI 0.15-0.96; I2 85%) | 0.64 |
| ULTSH NP|LLFT4 -5% | 0.61 (CI 0.46-0.74; PI 0.13-0.94; I2 87%) | 0.67 (CI 0.52-0.80; PI 0.16-0.96; I2 81%) | 0.63 |
| ULTSH -50%|LLFT4 NP | 0.65 (CI 0.53-0.75; PI 0.23-0.92; I2 83%) | 0.18 (CI 0.11-0.29; PI 0.02-0.73; I2 94%) | 0.29 |
| ULTSH -45%|LLFT4 NP | 0.73 (CI 0.59-0.83; PI 0.21-0.96; I2 87%) | 0.30 (CI 0.15-0.50; PI 0.01-0.93; I2 95%) | 0.43 |
| ULTSH -40%|LLFT4 NP | 0.73 (CI 0.57-0.85; PI 0.14-0.98; I2 81%) | 0.38 (CI 0.20-0.60; PI 0.02-0.96; I2 95%) | 0.50 |
| ULTSH -35%|LLFT4 NP | 0.75 (CI 0.58-0.87; PI 0.13-0.98; I2 72%) | 0.49 (CI 0.27-0.72; PI 0.02-0.98; I2 92%) | 0.61 |
| ULTSH -30%|LLFT4 NP | 0.69 (CI 0.59-0.78; PI 0.31-0.92; I2 80%) | 0.52 (CI 0.35-0.69; PI 0.06-0.95; I2 91%) | 0.58 |
| ULTSH -25%|LLFT4 NP | 0.71 (CI 0.59-0.80; PI 0.27-0.94; I2 80%) | 0.56 (CI 0.41-0.70; PI 0.11-0.93; I2 89%) | 0.61 |
| ULTSH -20%|LLFT4 NP | 0.73 (CI 0.55-0.86; PI 0.12-0.98; I2 82%) | 0.62 (CI 0.46-0.75; PI 0.12-0.95; I2 89%) | 0.66 |
| ULTSH -15%|LLFT4 NP | 0.73 (CI 0.52-0.87; PI 0.07-0.99; I2 87%) | 0.65 (CI 0.46-0.80; PI 0.08-0.97; I2 88%) | 0.69 |
| ULTSH -10%|LLFT4 NP | 0.67 (CI 0.52-0.80; PI 0.14-0.96; I2 88%) | 0.65 (CI 0.49-0.79; PI 0.13-0.96; I2 85%) | 0.65 |
| ULTSH -5%|LLFT4 NP | 0.62 (CI 0.48-0.75; PI 0.15-0.94; I2 86%) | 0.67 (CI 0.52-0.79; PI 0.16-0.96; I2 84%) | 0.63 |
| ULTSH NP|LLFT4 NP | 0.59 (CI 0.45-0.72; PI 0.13-0.93; I2 84%) | 0.68 (CI 0.53-0.80; PI 0.16-0.96; I2 81%) | 0.62 |
| ULTSH -50%|LLFT4 +5% | 0.63 (CI 0.50-0.75; PI 0.17-0.93; I2 86%) | 0.19 (CI 0.11-0.30; PI 0.02-0.75; I2 94%) | 0.29 |
| ULTSH -45%|LLFT4 +5% | 0.71 (CI 0.55-0.83; PI 0.15-0.97; I2 89%) | 0.30 (CI 0.15-0.50; PI 0.01-0.94; I2 95%) | 0.43 |
| ULTSH -40%|LLFT4 +5% | 0.72 (CI 0.53-0.85; PI 0.10-0.98; I2 85%) | 0.38 (CI 0.20-0.60; PI 0.02-0.96; I2 95%) | 0.49 |
| ULTSH -35%|LLFT4 +5% | 0.74 (CI 0.54-0.87; PI 0.09-0.99; I2 78%) | 0.49 (CI 0.27-0.72; PI 0.02-0.98; I2 92%) | 0.60 |
| ULTSH -30%|LLFT4 +5% | 0.67 (CI 0.55-0.77; PI 0.24-0.93; I2 84%) | 0.53 (CI 0.35-0.70; PI 0.06-0.95; I2 90%) | 0.58 |
| ULTSH -25%|LLFT4 +5% | 0.69 (CI 0.56-0.80; PI 0.21-0.95; I2 83%) | 0.58 (CI 0.42-0.71; PI 0.11-0.94; I2 89%) | 0.61 |
| ULTSH -20%|LLFT4 +5% | 0.72 (CI 0.53-0.85; PI 0.10-0.98; I2 83%) | 0.64 (CI 0.47-0.78; PI 0.11-0.96; I2 89%) | 0.67 |
| ULTSH -15%|LLFT4 +5% | 0.71 (CI 0.49-0.86; PI 0.06-0.99; I2 87%) | 0.67 (CI 0.46-0.82; PI 0.07-0.98; I2 88%) | 0.69 |
| ULTSH -10%|LLFT4 +5% | 0.65 (CI 0.49-0.78; PI 0.13-0.96; I2 87%) | 0.66 (CI 0.49-0.79; PI 0.12-0.96; I2 85%) | 0.65 |
| ULTSH -5%|LLFT4 +5% | 0.60 (CI 0.46-0.73; PI 0.15-0.93; I2 85%) | 0.67 (CI 0.51-0.79; PI 0.16-0.96; I2 83%) | 0.62 |
| ULTSH NP|LLFT4 +5% | 0.57 (CI 0.43-0.69; PI 0.14-0.91; I2 82%) | 0.68 (CI 0.53-0.79; PI 0.18-0.95; I2 79%) | 0.61 |
| ULTSH -50%|LLFT4 +10% | 0.59 (CI 0.43-0.73; PI 0.11-0.94; I2 88%) | 0.18 (CI 0.10-0.30; PI 0.02-0.76; I2 94%) | 0.28 |
| ULTSH -45%|LLFT4 +10% | 0.66 (CI 0.49-0.80; PI 0.10-0.97; I2 89%) | 0.29 (CI 0.15-0.50; PI 0.01-0.94; I2 95%) | 0.41 |
| ULTSH -40%|LLFT4 +10% | 0.68 (CI 0.47-0.84; PI 0.06-0.99; I2 86%) | 0.38 (CI 0.20-0.60; PI 0.02-0.96; I2 95%) | 0.47 |
| ULTSH -35%|LLFT4 +10% | 0.70 (CI 0.48-0.86; PI 0.06-0.99; I2 80%) | 0.48 (CI 0.26-0.72; PI 0.02-0.98; I2 91%) | 0.58 |
| ULTSH -30%|LLFT4 +10% | 0.63 (CI 0.49-0.75; PI 0.17-0.93; I2 86%) | 0.52 (CI 0.34-0.69; PI 0.05-0.95; I2 90%) | 0.55 |
| ULTSH -25%|LLFT4 +10% | 0.64 (CI 0.50-0.76; PI 0.17-0.94; I2 84%) | 0.57 (CI 0.42-0.71; PI 0.11-0.93; I2 88%) | 0.59 |
| ULTSH -20%|LLFT4 +10% | 0.65 (CI 0.48-0.79; PI 0.11-0.97; I2 85%) | 0.63 (CI 0.46-0.77; PI 0.11-0.96; I2 89%) | 0.64 |
| ULTSH -15%|LLFT4 +10% | 0.64 (CI 0.45-0.79; PI 0.08-0.97; I2 87%) | 0.66 (CI 0.46-0.82; PI 0.07-0.98; I2 88%) | 0.65 |
| ULTSH -10%|LLFT4 +10% | 0.60 (CI 0.46-0.73; PI 0.14-0.93; I2 85%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 85%) | 0.61 |
| ULTSH -5%|LLFT4 +10% | 0.55 (CI 0.43-0.67; PI 0.16-0.89; I2 82%) | 0.65 (CI 0.50-0.78; PI 0.14-0.96; I2 82%) | 0.59 |
| ULTSH NP|LLFT4 +10% | 0.53 (CI 0.41-0.64; PI 0.16-0.87; I2 79%) | 0.66 (CI 0.52-0.78; PI 0.17-0.95; I2 79%) | 0.58 |
| ULTSH -50%|LLFT4 +15% | 0.53 (CI 0.36-0.69; PI 0.07-0.94; I2 88%) | 0.18 (CI 0.10-0.30; PI 0.01-0.76; I2 93%) | 0.26 |
| ULTSH -45%|LLFT4 +15% | 0.61 (CI 0.42-0.77; PI 0.07-0.97; I2 89%) | 0.29 (CI 0.14-0.51; PI 0.01-0.95; I2 95%) | 0.39 |
| ULTSH -40%|LLFT4 +15% | 0.63 (CI 0.40-0.81; PI 0.04-0.98; I2 87%) | 0.38 (CI 0.19-0.60; PI 0.01-0.96; I2 94%) | 0.46 |
| ULTSH -35%|LLFT4 +15% | 0.63 (CI 0.43-0.80; PI 0.06-0.98; I2 87%) | 0.48 (CI 0.25-0.72; PI 0.01-0.98; I2 91%) | 0.54 |
| ULTSH -30%|LLFT4 +15% | 0.59 (CI 0.44-0.72; PI 0.13-0.93; I2 87%) | 0.52 (CI 0.34-0.70; PI 0.05-0.96; I2 88%) | 0.54 |
| ULTSH -25%|LLFT4 +15% | 0.60 (CI 0.46-0.72; PI 0.15-0.93; I2 84%) | 0.58 (CI 0.42-0.71; PI 0.12-0.93; I2 87%) | 0.58 |
| ULTSH -20%|LLFT4 +15% | 0.61 (CI 0.44-0.75; PI 0.10-0.95; I2 84%) | 0.64 (CI 0.47-0.78; PI 0.11-0.96; I2 88%) | 0.62 |
| ULTSH -15%|LLFT4 +15% | 0.59 (CI 0.42-0.75; PI 0.09-0.96; I2 87%) | 0.67 (CI 0.47-0.83; PI 0.07-0.98; I2 87%) | 0.63 |
| ULTSH -10%|LLFT4 +15% | 0.56 (CI 0.43-0.69; PI 0.15-0.90; I2 83%) | 0.66 (CI 0.49-0.79; PI 0.12-0.96; I2 84%) | 0.60 |
| ULTSH -5%|LLFT4 +15% | 0.52 (CI 0.41-0.63; PI 0.17-0.85; I2 79%) | 0.65 (CI 0.49-0.78; PI 0.14-0.96; I2 81%) | 0.56 |
| ULTSH NP|LLFT4 +15% | 0.50 (CI 0.39-0.60; PI 0.17-0.83; I2 76%) | 0.65 (CI 0.51-0.77; PI 0.18-0.94; I2 77%) | 0.56 |
| ULTSH -50%|LLFT4 +20% | 0.47 (CI 0.29-0.66; PI 0.04-0.95; I2 90%) | 0.17 (CI 0.09-0.29; PI 0.01-0.77; I2 93%) | 0.24 |
| ULTSH -45%|LLFT4 +20% | 0.55 (CI 0.34-0.75; PI 0.04-0.98; I2 90%) | 0.28 (CI 0.13-0.51; PI 0.01-0.95; I2 94%) | 0.36 |
| ULTSH -40%|LLFT4 +20% | 0.58 (CI 0.33-0.79; PI 0.02-0.99; I2 88%) | 0.36 (CI 0.18-0.60; PI 0.01-0.96; I2 94%) | 0.43 |
| ULTSH -35%|LLFT4 +20% | 0.59 (CI 0.37-0.78; PI 0.04-0.98; I2 89%) | 0.47 (CI 0.25-0.71; PI 0.01-0.98; I2 90%) | 0.52 |
| ULTSH -30%|LLFT4 +20% | 0.54 (CI 0.39-0.68; PI 0.11-0.92; I2 88%) | 0.52 (CI 0.34-0.70; PI 0.05-0.95; I2 88%) | 0.52 |
| ULTSH -25%|LLFT4 +20% | 0.55 (CI 0.42-0.68; PI 0.14-0.90; I2 86%) | 0.57 (CI 0.42-0.71; PI 0.12-0.93; I2 86%) | 0.55 |
| ULTSH -20%|LLFT4 +20% | 0.55 (CI 0.41-0.69; PI 0.12-0.92; I2 86%) | 0.63 (CI 0.47-0.77; PI 0.12-0.96; I2 88%) | 0.58 |
| ULTSH -15%|LLFT4 +20% | 0.54 (CI 0.40-0.68; PI 0.11-0.92; I2 86%) | 0.66 (CI 0.46-0.82; PI 0.07-0.98; I2 87%) | 0.59 |
| ULTSH -10%|LLFT4 +20% | 0.52 (CI 0.41-0.64; PI 0.16-0.86; I2 80%) | 0.65 (CI 0.49-0.79; PI 0.12-0.96; I2 84%) | 0.57 |
| ULTSH -5%|LLFT4 +20% | 0.49 (CI 0.39-0.59; PI 0.19-0.80; I2 74%) | 0.64 (CI 0.48-0.78; PI 0.13-0.96; I2 80%) | 0.54 |
| ULTSH NP|LLFT4 +20% | 0.47 (CI 0.38-0.56; PI 0.19-0.77; I2 70%) | 0.64 (CI 0.50-0.76; PI 0.19-0.93; I2 75%) | 0.54 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 27 – Diagnostic performance for treatment indication with absolute modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.64 (CI 0.44-0.81; PI 0.08-0.97; I2 75%) | 0.80 (CI 0.60-0.91; PI 0.14-0.99; I2 45%) | 0.69 |
| ULTSH -0.2|LLFT4 -5 | 0.65 (CI 0.45-0.81; PI 0.09-0.97; I2 75%) | 0.80 (CI 0.60-0.92; PI 0.14-0.99; I2 46%) | 0.70 |
| ULTSH -0.3|LLFT4 -5 | 0.69 (CI 0.50-0.84; PI 0.11-0.98; I2 76%) | 0.81 (CI 0.63-0.91; PI 0.18-0.99; I2 53%) | 0.73 |
| ULTSH -0.4|LLFT4 -5 | 0.72 (CI 0.52-0.86; PI 0.11-0.98; I2 76%) | 0.82 (CI 0.65-0.91; PI 0.20-0.99; I2 53%) | 0.75 |
| ULTSH -0.5|LLFT4 -5 | 0.75 (CI 0.54-0.88; PI 0.11-0.99; I2 78%) | 0.80 (CI 0.64-0.90; PI 0.24-0.98; I2 45%) | 0.75 |
| ULTSH -0.6|LLFT4 -5 | 0.79 (CI 0.59-0.91; PI 0.12-0.99; I2 78%) | 0.80 (CI 0.65-0.90; PI 0.25-0.98; I2 49%) | 0.77 |
| ULTSH -0.7|LLFT4 -5 | 0.86 (CI 0.65-0.95; PI 0.12-1.00; I2 75%) | 0.79 (CI 0.65-0.88; PI 0.26-0.98; I2 60%) | 0.80 |
| ULTSH -0.8|LLFT4 -5 | 0.86 (CI 0.66-0.95; PI 0.13-1.00; I2 75%) | 0.76 (CI 0.62-0.85; PI 0.30-0.96; I2 54%) | 0.76 |
| ULTSH -0.9|LLFT4 -5 | 0.86 (CI 0.66-0.95; PI 0.13-1.00; I2 74%) | 0.74 (CI 0.62-0.83; PI 0.29-0.95; I2 54%) | 0.75 |
| ULTSH -1.0|LLFT4 -5 | 0.86 (CI 0.67-0.95; PI 0.15-1.00; I2 73%) | 0.72 (CI 0.58-0.83; PI 0.26-0.95; I2 52%) | 0.74 |
| ULTSH -0.1|LLFT4 -4 | 0.66 (CI 0.44-0.82; PI 0.07-0.98; I2 73%) | 0.80 (CI 0.60-0.91; PI 0.14-0.99; I2 45%) | 0.69 |
| ULTSH -0.2|LLFT4 -4 | 0.66 (CI 0.45-0.83; PI 0.08-0.98; I2 73%) | 0.80 (CI 0.60-0.92; PI 0.14-0.99; I2 46%) | 0.70 |
| ULTSH -0.3|LLFT4 -4 | 0.70 (CI 0.50-0.85; PI 0.10-0.98; I2 75%) | 0.81 (CI 0.63-0.91; PI 0.18-0.99; I2 54%) | 0.73 |
| ULTSH -0.4|LLFT4 -4 | 0.74 (CI 0.52-0.88; PI 0.10-0.99; I2 75%) | 0.82 (CI 0.65-0.91; PI 0.20-0.99; I2 53%) | 0.75 |
| ULTSH -0.5|LLFT4 -4 | 0.76 (CI 0.55-0.89; PI 0.10-0.99; I2 77%) | 0.80 (CI 0.64-0.90; PI 0.24-0.98; I2 45%) | 0.75 |
| ULTSH -0.6|LLFT4 -4 | 0.80 (CI 0.59-0.92; PI 0.10-0.99; I2 77%) | 0.80 (CI 0.65-0.90; PI 0.25-0.98; I2 49%) | 0.77 |
| ULTSH -0.7|LLFT4 -4 | 0.87 (CI 0.66-0.96; PI 0.11-1.00; I2 74%) | 0.79 (CI 0.65-0.89; PI 0.26-0.98; I2 60%) | 0.80 |
| ULTSH -0.8|LLFT4 -4 | 0.87 (CI 0.66-0.96; PI 0.11-1.00; I2 74%) | 0.76 (CI 0.62-0.85; PI 0.30-0.96; I2 54%) | 0.77 |
| ULTSH -0.9|LLFT4 -4 | 0.87 (CI 0.67-0.96; PI 0.12-1.00; I2 73%) | 0.74 (CI 0.62-0.83; PI 0.29-0.95; I2 54%) | 0.75 |
| ULTSH -1.0|LLFT4 -4 | 0.87 (CI 0.68-0.96; PI 0.14-1.00; I2 72%) | 0.72 (CI 0.58-0.83; PI 0.26-0.95; I2 52%) | 0.74 |
| ULTSH -0.1|LLFT4 -3 | 0.68 (CI 0.43-0.85; PI 0.05-0.99; I2 62%) | 0.80 (CI 0.60-0.91; PI 0.14-0.99; I2 45%) | 0.70 |
| ULTSH -0.2|LLFT4 -3 | 0.68 (CI 0.45-0.85; PI 0.06-0.99; I2 62%) | 0.80 (CI 0.60-0.92; PI 0.14-0.99; I2 47%) | 0.71 |
| ULTSH -0.3|LLFT4 -3 | 0.72 (CI 0.50-0.87; PI 0.08-0.99; I2 66%) | 0.81 (CI 0.63-0.91; PI 0.18-0.99; I2 54%) | 0.74 |
| ULTSH -0.4|LLFT4 -3 | 0.76 (CI 0.52-0.90; PI 0.07-0.99; I2 67%) | 0.82 (CI 0.65-0.92; PI 0.20-0.99; I2 53%) | 0.76 |
| ULTSH -0.5|LLFT4 -3 | 0.78 (CI 0.55-0.91; PI 0.07-0.99; I2 70%) | 0.80 (CI 0.64-0.90; PI 0.24-0.98; I2 46%) | 0.75 |
| ULTSH -0.6|LLFT4 -3 | 0.83 (CI 0.59-0.94; PI 0.08-1.00; I2 71%) | 0.80 (CI 0.65-0.90; PI 0.25-0.98; I2 49%) | 0.77 |
| ULTSH -0.7|LLFT4 -3 | 0.90 (CI 0.66-0.97; PI 0.07-1.00; I2 66%) | 0.79 (CI 0.65-0.89; PI 0.26-0.98; I2 60%) | 0.80 |
| ULTSH -0.8|LLFT4 -3 | 0.90 (CI 0.67-0.97; PI 0.08-1.00; I2 65%) | 0.76 (CI 0.62-0.85; PI 0.30-0.96; I2 53%) | 0.77 |
| ULTSH -0.9|LLFT4 -3 | 0.90 (CI 0.67-0.97; PI 0.08-1.00; I2 64%) | 0.74 (CI 0.63-0.83; PI 0.30-0.95; I2 53%) | 0.75 |
| ULTSH -1.0|LLFT4 -3 | 0.90 (CI 0.68-0.97; PI 0.10-1.00; I2 62%) | 0.72 (CI 0.58-0.83; PI 0.26-0.95; I2 52%) | 0.74 |
| ULTSH -0.1|LLFT4 -2 | 0.69 (CI 0.45-0.85; PI 0.06-0.99; I2 65%) | 0.79 (CI 0.62-0.90; PI 0.21-0.98; I2 40%) | 0.70 |
| ULTSH -0.2|LLFT4 -2 | 0.69 (CI 0.46-0.86; PI 0.06-0.99; I2 64%) | 0.80 (CI 0.62-0.90; PI 0.21-0.98; I2 41%) | 0.71 |
| ULTSH -0.3|LLFT4 -2 | 0.73 (CI 0.51-0.88; PI 0.08-0.99; I2 68%) | 0.80 (CI 0.63-0.90; PI 0.23-0.98; I2 46%) | 0.73 |
| ULTSH -0.4|LLFT4 -2 | 0.77 (CI 0.54-0.90; PI 0.08-0.99; I2 68%) | 0.80 (CI 0.65-0.90; PI 0.24-0.98; I2 45%) | 0.75 |
| ULTSH -0.5|LLFT4 -2 | 0.80 (CI 0.57-0.92; PI 0.07-0.99; I2 69%) | 0.79 (CI 0.64-0.89; PI 0.23-0.98; I2 43%) | 0.76 |
| ULTSH -0.6|LLFT4 -2 | 0.84 (CI 0.61-0.95; PI 0.08-1.00; I2 70%) | 0.79 (CI 0.64-0.89; PI 0.23-0.98; I2 50%) | 0.78 |
| ULTSH -0.7|LLFT4 -2 | 0.92 (CI 0.69-0.98; PI 0.07-1.00; I2 58%) | 0.78 (CI 0.63-0.88; PI 0.24-0.98; I2 62%) | 0.81 |
| ULTSH -0.8|LLFT4 -2 | 0.92 (CI 0.69-0.98; PI 0.07-1.00; I2 56%) | 0.75 (CI 0.61-0.85; PI 0.26-0.96; I2 60%) | 0.77 |
| ULTSH -0.9|LLFT4 -2 | 0.92 (CI 0.70-0.98; PI 0.07-1.00; I2 55%) | 0.73 (CI 0.62-0.82; PI 0.25-0.96; I2 65%) | 0.75 |
| ULTSH -1.0|LLFT4 -2 | 0.92 (CI 0.71-0.98; PI 0.09-1.00; I2 54%) | 0.72 (CI 0.56-0.83; PI 0.22-0.96; I2 64%) | 0.74 |
| ULTSH -0.1|LLFT4 -1 | 0.69 (CI 0.45-0.85; PI 0.06-0.99; I2 65%) | 0.76 (CI 0.58-0.88; PI 0.17-0.98; I2 40%) | 0.67 |
| ULTSH -0.2|LLFT4 -1 | 0.69 (CI 0.46-0.86; PI 0.06-0.99; I2 64%) | 0.76 (CI 0.57-0.88; PI 0.16-0.98; I2 42%) | 0.68 |
| ULTSH -0.3|LLFT4 -1 | 0.73 (CI 0.51-0.88; PI 0.08-0.99; I2 68%) | 0.77 (CI 0.58-0.89; PI 0.16-0.98; I2 51%) | 0.71 |
| ULTSH -0.4|LLFT4 -1 | 0.77 (CI 0.54-0.90; PI 0.08-0.99; I2 68%) | 0.77 (CI 0.60-0.89; PI 0.17-0.98; I2 51%) | 0.72 |
| ULTSH -0.5|LLFT4 -1 | 0.80 (CI 0.57-0.92; PI 0.07-0.99; I2 69%) | 0.77 (CI 0.58-0.89; PI 0.14-0.98; I2 56%) | 0.73 |
| ULTSH -0.6|LLFT4 -1 | 0.84 (CI 0.61-0.95; PI 0.08-1.00; I2 70%) | 0.77 (CI 0.58-0.89; PI 0.13-0.99; I2 64%) | 0.75 |
| ULTSH -0.7|LLFT4 -1 | 0.92 (CI 0.69-0.98; PI 0.07-1.00; I2 58%) | 0.76 (CI 0.58-0.88; PI 0.15-0.98; I2 73%) | 0.79 |
| ULTSH -0.8|LLFT4 -1 | 0.92 (CI 0.69-0.98; PI 0.07-1.00; I2 56%) | 0.73 (CI 0.55-0.85; PI 0.15-0.97; I2 73%) | 0.75 |
| ULTSH -0.9|LLFT4 -1 | 0.92 (CI 0.70-0.98; PI 0.07-1.00; I2 55%) | 0.71 (CI 0.53-0.84; PI 0.14-0.97; I2 77%) | 0.73 |
| ULTSH -1.0|LLFT4 -1 | 0.92 (CI 0.71-0.98; PI 0.09-1.00; I2 54%) | 0.69 (CI 0.51-0.83; PI 0.12-0.97; I2 77%) | 0.72 |
| ULTSH -0.1|LLFT4 +0 | 0.71 (CI 0.46-0.88; PI 0.05-0.99; I2 48%) | 0.70 (CI 0.47-0.86; PI 0.08-0.98; I2 58%) | 0.64 |
| ULTSH -0.2|LLFT4 +0 | 0.72 (CI 0.47-0.88; PI 0.05-0.99; I2 48%) | 0.70 (CI 0.46-0.86; PI 0.07-0.99; I2 61%) | 0.65 |
| ULTSH -0.3|LLFT4 +0 | 0.76 (CI 0.52-0.90; PI 0.07-0.99; I2 57%) | 0.71 (CI 0.49-0.86; PI 0.08-0.99; I2 67%) | 0.67 |
| ULTSH -0.4|LLFT4 +0 | 0.80 (CI 0.55-0.93; PI 0.06-1.00; I2 57%) | 0.72 (CI 0.51-0.87; PI 0.09-0.99; I2 67%) | 0.69 |
| ULTSH -0.5|LLFT4 +0 | 0.82 (CI 0.58-0.94; PI 0.06-1.00; I2 59%) | 0.72 (CI 0.50-0.87; PI 0.08-0.99; I2 70%) | 0.70 |
| ULTSH -0.6|LLFT4 +0 | 0.87 (CI 0.63-0.96; PI 0.06-1.00; I2 60%) | 0.72 (CI 0.50-0.87; PI 0.07-0.99; I2 75%) | 0.72 |
| ULTSH -0.7|LLFT4 +0 | 0.94 (CI 0.70-0.99; PI 0.05-1.00; I2 37%) | 0.71 (CI 0.51-0.86; PI 0.09-0.98; I2 81%) | 0.76 |
| ULTSH -0.8|LLFT4 +0 | 0.94 (CI 0.70-0.99; PI 0.05-1.00; I2 36%) | 0.68 (CI 0.48-0.83; PI 0.09-0.98; I2 81%) | 0.72 |
| ULTSH -0.9|LLFT4 +0 | 0.94 (CI 0.71-0.99; PI 0.05-1.00; I2 36%) | 0.66 (CI 0.45-0.82; PI 0.08-0.98; I2 83%) | 0.70 |
| ULTSH -1.0|LLFT4 +0 | 0.94 (CI 0.72-0.99; PI 0.06-1.00; I2 34%) | 0.65 (CI 0.43-0.81; PI 0.07-0.98; I2 84%) | 0.69 |
| ULTSH -0.1|LLFT4 +1 | 0.75 (CI 0.46-0.91; PI 0.03-1.00; I2 39%) | 0.59 (CI 0.39-0.76; PI 0.08-0.96; I2 62%) | 0.59 |
| ULTSH -0.2|LLFT4 +1 | 0.75 (CI 0.47-0.91; PI 0.04-1.00; I2 40%) | 0.59 (CI 0.38-0.77; PI 0.07-0.96; I2 65%) | 0.60 |
| ULTSH -0.3|LLFT4 +1 | 0.79 (CI 0.53-0.93; PI 0.05-1.00; I2 53%) | 0.60 (CI 0.40-0.77; PI 0.08-0.96; I2 73%) | 0.62 |
| ULTSH -0.4|LLFT4 +1 | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 53%) | 0.61 (CI 0.41-0.78; PI 0.08-0.97; I2 74%) | 0.63 |
| ULTSH -0.5|LLFT4 +1 | 0.86 (CI 0.59-0.96; PI 0.04-1.00; I2 50%) | 0.60 (CI 0.39-0.78; PI 0.06-0.97; I2 78%) | 0.64 |
| ULTSH -0.6|LLFT4 +1 | 0.90 (CI 0.64-0.98; PI 0.04-1.00; I2 52%) | 0.60 (CI 0.39-0.78; PI 0.06-0.97; I2 82%) | 0.65 |
| ULTSH -0.7|LLFT4 +1 | 0.98 (CI 0.70-1.00; PI 0.01-1.00; I2 0%) | 0.61 (CI 0.40-0.78; PI 0.06-0.97; I2 84%) | 0.68 |
| ULTSH -0.8|LLFT4 +1 | 0.98 (CI 0.71-1.00; PI 0.01-1.00; I2 0%) | 0.58 (CI 0.38-0.76; PI 0.06-0.97; I2 84%) | 0.65 |
| ULTSH -0.9|LLFT4 +1 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.55 (CI 0.35-0.74; PI 0.05-0.97; I2 85%) | 0.63 |
| ULTSH -1.0|LLFT4 +1 | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.54 (CI 0.33-0.73; PI 0.04-0.97; I2 86%) | 0.61 |
| ULTSH -0.1|LLFT4 +2 | 0.75 (CI 0.46-0.91; PI 0.03-1.00; I2 39%) | 0.52 (CI 0.33-0.71; PI 0.06-0.95; I2 64%) | 0.56 |
| ULTSH -0.2|LLFT4 +2 | 0.75 (CI 0.47-0.91; PI 0.04-1.00; I2 40%) | 0.50 (CI 0.30-0.70; PI 0.05-0.95; I2 68%) | 0.55 |
| ULTSH -0.3|LLFT4 +2 | 0.79 (CI 0.53-0.93; PI 0.05-1.00; I2 53%) | 0.51 (CI 0.32-0.70; PI 0.06-0.95; I2 74%) | 0.57 |
| ULTSH -0.4|LLFT4 +2 | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 53%) | 0.51 (CI 0.32-0.70; PI 0.06-0.95; I2 76%) | 0.57 |
| ULTSH -0.5|LLFT4 +2 | 0.86 (CI 0.59-0.96; PI 0.04-1.00; I2 50%) | 0.50 (CI 0.31-0.70; PI 0.05-0.95; I2 79%) | 0.56 |
| ULTSH -0.6|LLFT4 +2 | 0.90 (CI 0.64-0.98; PI 0.04-1.00; I2 52%) | 0.50 (CI 0.31-0.69; PI 0.05-0.95; I2 82%) | 0.57 |
| ULTSH -0.7|LLFT4 +2 | 0.98 (CI 0.71-1.00; PI 0.01-1.00; I2 0%) | 0.52 (CI 0.32-0.71; PI 0.04-0.96; I2 84%) | 0.59 |
| ULTSH -0.8|LLFT4 +2 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.49 (CI 0.29-0.69; PI 0.04-0.96; I2 84%) | 0.57 |
| ULTSH -0.9|LLFT4 +2 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.46 (CI 0.27-0.67; PI 0.03-0.96; I2 85%) | 0.55 |
| ULTSH -1.0|LLFT4 +2 | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.44 (CI 0.25-0.66; PI 0.03-0.96; I2 86%) | 0.53 |
| ULTSH -0.1|LLFT4 +3 | 0.75 (CI 0.46-0.91; PI 0.03-1.00; I2 39%) | 0.43 (CI 0.25-0.63; PI 0.04-0.94; I2 61%) | 0.51 |
| ULTSH -0.2|LLFT4 +3 | 0.75 (CI 0.47-0.91; PI 0.04-1.00; I2 40%) | 0.41 (CI 0.22-0.63; PI 0.03-0.95; I2 66%) | 0.50 |
| ULTSH -0.3|LLFT4 +3 | 0.79 (CI 0.53-0.93; PI 0.05-1.00; I2 53%) | 0.42 (CI 0.24-0.63; PI 0.03-0.94; I2 75%) | 0.51 |
| ULTSH -0.4|LLFT4 +3 | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 53%) | 0.42 (CI 0.24-0.62; PI 0.03-0.94; I2 77%) | 0.51 |
| ULTSH -0.5|LLFT4 +3 | 0.86 (CI 0.59-0.96; PI 0.04-1.00; I2 50%) | 0.40 (CI 0.22-0.61; PI 0.03-0.94; I2 80%) | 0.49 |
| ULTSH -0.6|LLFT4 +3 | 0.90 (CI 0.64-0.98; PI 0.04-1.00; I2 52%) | 0.40 (CI 0.23-0.61; PI 0.03-0.94; I2 82%) | 0.49 |
| ULTSH -0.7|LLFT4 +3 | 0.98 (CI 0.71-1.00; PI 0.01-1.00; I2 0%) | 0.42 (CI 0.23-0.62; PI 0.03-0.95; I2 84%) | 0.51 |
| ULTSH -0.8|LLFT4 +3 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.40 (CI 0.22-0.62; PI 0.02-0.95; I2 84%) | 0.49 |
| ULTSH -0.9|LLFT4 +3 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.38 (CI 0.20-0.60; PI 0.02-0.95; I2 85%) | 0.47 |
| ULTSH -1.0|LLFT4 +3 | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.36 (CI 0.18-0.59; PI 0.01-0.96; I2 86%) | 0.45 |
| ULTSH -0.1|LLFT4 +4 | 0.75 (CI 0.46-0.91; PI 0.03-1.00; I2 39%) | 0.39 (CI 0.22-0.59; PI 0.03-0.92; I2 64%) | 0.48 |
| ULTSH -0.2|LLFT4 +4 | 0.75 (CI 0.47-0.91; PI 0.04-1.00; I2 40%) | 0.37 (CI 0.20-0.59; PI 0.02-0.93; I2 69%) | 0.47 |
| ULTSH -0.3|LLFT4 +4 | 0.79 (CI 0.53-0.93; PI 0.05-1.00; I2 53%) | 0.38 (CI 0.21-0.58; PI 0.03-0.93; I2 76%) | 0.48 |
| ULTSH -0.4|LLFT4 +4 | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 53%) | 0.37 (CI 0.21-0.58; PI 0.03-0.93; I2 78%) | 0.47 |
| ULTSH -0.5|LLFT4 +4 | 0.86 (CI 0.59-0.96; PI 0.04-1.00; I2 50%) | 0.35 (CI 0.19-0.56; PI 0.02-0.93; I2 81%) | 0.45 |
| ULTSH -0.6|LLFT4 +4 | 0.90 (CI 0.64-0.98; PI 0.04-1.00; I2 52%) | 0.35 (CI 0.19-0.54; PI 0.03-0.91; I2 83%) | 0.45 |
| ULTSH -0.7|LLFT4 +4 | 0.98 (CI 0.71-1.00; PI 0.01-1.00; I2 0%) | 0.36 (CI 0.20-0.56; PI 0.02-0.93; I2 85%) | 0.46 |
| ULTSH -0.8|LLFT4 +4 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.34 (CI 0.19-0.53; PI 0.02-0.92; I2 85%) | 0.45 |
| ULTSH -0.9|LLFT4 +4 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.32 (CI 0.17-0.52; PI 0.02-0.92; I2 86%) | 0.43 |
| ULTSH -1.0|LLFT4 +4 | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.30 (CI 0.16-0.49; PI 0.02-0.91; I2 87%) | 0.41 |
| ULTSH -0.1|LLFT4 +5 | 0.75 (CI 0.46-0.91; PI 0.03-1.00; I2 39%) | 0.37 (CI 0.21-0.57; PI 0.03-0.92; I2 67%) | 0.47 |
| ULTSH -0.2|LLFT4 +5 | 0.75 (CI 0.47-0.91; PI 0.04-1.00; I2 40%) | 0.35 (CI 0.18-0.56; PI 0.02-0.93; I2 72%) | 0.45 |
| ULTSH -0.3|LLFT4 +5 | 0.79 (CI 0.53-0.93; PI 0.05-1.00; I2 53%) | 0.35 (CI 0.19-0.56; PI 0.02-0.92; I2 78%) | 0.46 |
| ULTSH -0.4|LLFT4 +5 | 0.83 (CI 0.56-0.95; PI 0.04-1.00; I2 53%) | 0.35 (CI 0.19-0.55; PI 0.02-0.92; I2 79%) | 0.45 |
| ULTSH -0.5|LLFT4 +5 | 0.86 (CI 0.59-0.96; PI 0.04-1.00; I2 50%) | 0.33 (CI 0.17-0.53; PI 0.02-0.93; I2 82%) | 0.43 |
| ULTSH -0.6|LLFT4 +5 | 0.90 (CI 0.64-0.98; PI 0.04-1.00; I2 52%) | 0.32 (CI 0.18-0.52; PI 0.02-0.91; I2 84%) | 0.42 |
| ULTSH -0.7|LLFT4 +5 | 0.98 (CI 0.71-1.00; PI 0.01-1.00; I2 0%) | 0.34 (CI 0.18-0.54; PI 0.02-0.92; I2 85%) | 0.44 |
| ULTSH -0.8|LLFT4 +5 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.32 (CI 0.17-0.51; PI 0.02-0.91; I2 86%) | 0.42 |
| ULTSH -0.9|LLFT4 +5 | 0.98 (CI 0.71-1.00; PI 0.02-1.00; I2 0%) | 0.30 (CI 0.16-0.50; PI 0.02-0.92; I2 86%) | 0.40 |
| ULTSH -1.0|LLFT4 +5 | 0.98 (CI 0.72-1.00; PI 0.02-1.00; I2 0%) | 0.27 (CI 0.14-0.46; PI 0.02-0.90; I2 87%) | 0.38 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 28 – Diagnostic performance for treatment consideration with absolute modifications in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH -0.1|LLFT4 -5 | 0.67 (CI 0.47-0.82; PI 0.07-0.98; I2 87%) | 0.66 (CI 0.49-0.79; PI 0.12-0.97; I2 84%) | 0.65 |
| ULTSH -0.2|LLFT4 -5 | 0.70 (CI 0.49-0.85; PI 0.06-0.99; I2 84%) | 0.65 (CI 0.49-0.77; PI 0.15-0.95; I2 86%) | 0.66 |
| ULTSH -0.3|LLFT4 -5 | 0.71 (CI 0.51-0.85; PI 0.09-0.98; I2 88%) | 0.64 (CI 0.50-0.76; PI 0.16-0.94; I2 85%) | 0.65 |
| ULTSH -0.4|LLFT4 -5 | 0.73 (CI 0.54-0.86; PI 0.09-0.99; I2 89%) | 0.64 (CI 0.48-0.77; PI 0.12-0.96; I2 86%) | 0.66 |
| ULTSH -0.5|LLFT4 -5 | 0.76 (CI 0.56-0.89; PI 0.08-0.99; I2 90%) | 0.64 (CI 0.46-0.79; PI 0.09-0.97; I2 88%) | 0.70 |
| ULTSH -0.6|LLFT4 -5 | 0.78 (CI 0.58-0.90; PI 0.07-0.99; I2 90%) | 0.63 (CI 0.44-0.79; PI 0.07-0.97; I2 89%) | 0.70 |
| ULTSH -0.7|LLFT4 -5 | 0.81 (CI 0.56-0.93; PI 0.04-1.00; I2 88%) | 0.62 (CI 0.43-0.78; PI 0.07-0.97; I2 90%) | 0.71 |
| ULTSH -0.8|LLFT4 -5 | 0.77 (CI 0.57-0.89; PI 0.10-0.99; I2 88%) | 0.59 (CI 0.43-0.74; PI 0.10-0.95; I2 90%) | 0.66 |
| ULTSH -0.9|LLFT4 -5 | 0.74 (CI 0.57-0.86; PI 0.13-0.98; I2 87%) | 0.55 (CI 0.40-0.69; PI 0.10-0.93; I2 90%) | 0.62 |
| ULTSH -1.0|LLFT4 -5 | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 83%) | 0.51 (CI 0.37-0.65; PI 0.10-0.91; I2 90%) | 0.59 |
| ULTSH -0.1|LLFT4 -4 | 0.67 (CI 0.47-0.82; PI 0.07-0.98; I2 87%) | 0.66 (CI 0.48-0.80; PI 0.11-0.97; I2 83%) | 0.66 |
| ULTSH -0.2|LLFT4 -4 | 0.70 (CI 0.49-0.85; PI 0.06-0.99; I2 84%) | 0.65 (CI 0.49-0.78; PI 0.14-0.95; I2 86%) | 0.66 |
| ULTSH -0.3|LLFT4 -4 | 0.71 (CI 0.51-0.85; PI 0.09-0.98; I2 88%) | 0.64 (CI 0.50-0.77; PI 0.16-0.94; I2 85%) | 0.65 |
| ULTSH -0.4|LLFT4 -4 | 0.73 (CI 0.54-0.86; PI 0.09-0.99; I2 89%) | 0.64 (CI 0.48-0.77; PI 0.12-0.96; I2 86%) | 0.66 |
| ULTSH -0.5|LLFT4 -4 | 0.76 (CI 0.56-0.89; PI 0.08-0.99; I2 90%) | 0.64 (CI 0.46-0.79; PI 0.09-0.97; I2 88%) | 0.70 |
| ULTSH -0.6|LLFT4 -4 | 0.78 (CI 0.58-0.90; PI 0.07-0.99; I2 90%) | 0.63 (CI 0.44-0.79; PI 0.07-0.97; I2 89%) | 0.70 |
| ULTSH -0.7|LLFT4 -4 | 0.81 (CI 0.56-0.93; PI 0.04-1.00; I2 88%) | 0.62 (CI 0.43-0.78; PI 0.07-0.97; I2 90%) | 0.71 |
| ULTSH -0.8|LLFT4 -4 | 0.77 (CI 0.57-0.89; PI 0.10-0.99; I2 88%) | 0.59 (CI 0.43-0.74; PI 0.10-0.95; I2 90%) | 0.66 |
| ULTSH -0.9|LLFT4 -4 | 0.74 (CI 0.57-0.86; PI 0.13-0.98; I2 87%) | 0.55 (CI 0.40-0.69; PI 0.10-0.93; I2 90%) | 0.62 |
| ULTSH -1.0|LLFT4 -4 | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 83%) | 0.51 (CI 0.37-0.65; PI 0.10-0.91; I2 90%) | 0.59 |
| ULTSH -0.1|LLFT4 -3 | 0.67 (CI 0.47-0.82; PI 0.07-0.98; I2 87%) | 0.67 (CI 0.48-0.81; PI 0.09-0.98; I2 81%) | 0.66 |
| ULTSH -0.2|LLFT4 -3 | 0.70 (CI 0.49-0.85; PI 0.06-0.99; I2 84%) | 0.65 (CI 0.49-0.78; PI 0.14-0.96; I2 86%) | 0.66 |
| ULTSH -0.3|LLFT4 -3 | 0.71 (CI 0.51-0.85; PI 0.09-0.98; I2 88%) | 0.64 (CI 0.50-0.77; PI 0.16-0.95; I2 85%) | 0.65 |
| ULTSH -0.4|LLFT4 -3 | 0.73 (CI 0.54-0.86; PI 0.09-0.99; I2 89%) | 0.64 (CI 0.48-0.77; PI 0.12-0.96; I2 86%) | 0.66 |
| ULTSH -0.5|LLFT4 -3 | 0.76 (CI 0.56-0.89; PI 0.08-0.99; I2 90%) | 0.64 (CI 0.46-0.79; PI 0.09-0.97; I2 88%) | 0.70 |
| ULTSH -0.6|LLFT4 -3 | 0.78 (CI 0.58-0.90; PI 0.07-0.99; I2 90%) | 0.63 (CI 0.44-0.79; PI 0.07-0.97; I2 89%) | 0.70 |
| ULTSH -0.7|LLFT4 -3 | 0.81 (CI 0.56-0.93; PI 0.04-1.00; I2 88%) | 0.62 (CI 0.43-0.78; PI 0.07-0.97; I2 90%) | 0.71 |
| ULTSH -0.8|LLFT4 -3 | 0.77 (CI 0.57-0.89; PI 0.10-0.99; I2 88%) | 0.59 (CI 0.43-0.74; PI 0.10-0.95; I2 90%) | 0.66 |
| ULTSH -0.9|LLFT4 -3 | 0.74 (CI 0.57-0.86; PI 0.13-0.98; I2 87%) | 0.55 (CI 0.40-0.69; PI 0.10-0.93; I2 90%) | 0.62 |
| ULTSH -1.0|LLFT4 -3 | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 83%) | 0.51 (CI 0.37-0.65; PI 0.10-0.91; I2 90%) | 0.59 |
| ULTSH -0.1|LLFT4 -2 | 0.65 (CI 0.48-0.80; PI 0.10-0.97; I2 88%) | 0.67 (CI 0.48-0.82; PI 0.09-0.98; I2 82%) | 0.65 |
| ULTSH -0.2|LLFT4 -2 | 0.68 (CI 0.50-0.82; PI 0.10-0.98; I2 89%) | 0.65 (CI 0.50-0.78; PI 0.13-0.96; I2 86%) | 0.65 |
| ULTSH -0.3|LLFT4 -2 | 0.69 (CI 0.52-0.82; PI 0.11-0.98; I2 90%) | 0.65 (CI 0.50-0.78; PI 0.15-0.95; I2 85%) | 0.65 |
| ULTSH -0.4|LLFT4 -2 | 0.71 (CI 0.54-0.84; PI 0.11-0.98; I2 90%) | 0.65 (CI 0.48-0.78; PI 0.11-0.96; I2 87%) | 0.66 |
| ULTSH -0.5|LLFT4 -2 | 0.76 (CI 0.56-0.88; PI 0.09-0.99; I2 90%) | 0.65 (CI 0.46-0.81; PI 0.08-0.98; I2 88%) | 0.70 |
| ULTSH -0.6|LLFT4 -2 | 0.78 (CI 0.57-0.90; PI 0.08-0.99; I2 90%) | 0.64 (CI 0.44-0.80; PI 0.07-0.98; I2 89%) | 0.70 |
| ULTSH -0.7|LLFT4 -2 | 0.80 (CI 0.55-0.93; PI 0.04-1.00; I2 87%) | 0.63 (CI 0.44-0.80; PI 0.07-0.98; I2 90%) | 0.71 |
| ULTSH -0.8|LLFT4 -2 | 0.76 (CI 0.57-0.88; PI 0.10-0.99; I2 88%) | 0.60 (CI 0.43-0.75; PI 0.10-0.96; I2 90%) | 0.67 |
| ULTSH -0.9|LLFT4 -2 | 0.74 (CI 0.57-0.86; PI 0.13-0.98; I2 87%) | 0.56 (CI 0.40-0.70; PI 0.10-0.93; I2 90%) | 0.63 |
| ULTSH -1.0|LLFT4 -2 | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 82%) | 0.52 (CI 0.37-0.66; PI 0.10-0.92; I2 90%) | 0.59 |
| ULTSH -0.1|LLFT4 -1 | 0.63 (CI 0.47-0.76; PI 0.13-0.95; I2 88%) | 0.67 (CI 0.48-0.81; PI 0.09-0.98; I2 82%) | 0.63 |
| ULTSH -0.2|LLFT4 -1 | 0.66 (CI 0.50-0.79; PI 0.13-0.96; I2 89%) | 0.66 (CI 0.49-0.79; PI 0.12-0.96; I2 86%) | 0.64 |
| ULTSH -0.3|LLFT4 -1 | 0.67 (CI 0.51-0.79; PI 0.14-0.96; I2 89%) | 0.65 (CI 0.50-0.78; PI 0.15-0.95; I2 86%) | 0.65 |
| ULTSH -0.4|LLFT4 -1 | 0.69 (CI 0.53-0.81; PI 0.14-0.97; I2 90%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 87%) | 0.66 |
| ULTSH -0.5|LLFT4 -1 | 0.74 (CI 0.54-0.87; PI 0.09-0.99; I2 89%) | 0.65 (CI 0.46-0.81; PI 0.08-0.98; I2 88%) | 0.70 |
| ULTSH -0.6|LLFT4 -1 | 0.76 (CI 0.55-0.89; PI 0.08-0.99; I2 89%) | 0.64 (CI 0.44-0.80; PI 0.07-0.98; I2 89%) | 0.70 |
| ULTSH -0.7|LLFT4 -1 | 0.79 (CI 0.54-0.92; PI 0.04-1.00; I2 86%) | 0.64 (CI 0.44-0.80; PI 0.07-0.98; I2 90%) | 0.71 |
| ULTSH -0.8|LLFT4 -1 | 0.75 (CI 0.56-0.88; PI 0.10-0.99; I2 86%) | 0.61 (CI 0.44-0.75; PI 0.10-0.96; I2 90%) | 0.67 |
| ULTSH -0.9|LLFT4 -1 | 0.73 (CI 0.55-0.85; PI 0.12-0.98; I2 86%) | 0.56 (CI 0.41-0.70; PI 0.10-0.93; I2 90%) | 0.63 |
| ULTSH -1.0|LLFT4 -1 | 0.72 (CI 0.56-0.83; PI 0.17-0.97; I2 81%) | 0.52 (CI 0.38-0.66; PI 0.10-0.92; I2 90%) | 0.59 |
| ULTSH -0.1|LLFT4 +0 | 0.60 (CI 0.45-0.73; PI 0.14-0.93; I2 86%) | 0.68 (CI 0.50-0.81; PI 0.11-0.97; I2 80%) | 0.62 |
| ULTSH -0.2|LLFT4 +0 | 0.62 (CI 0.48-0.75; PI 0.15-0.94; I2 86%) | 0.67 (CI 0.51-0.80; PI 0.14-0.96; I2 84%) | 0.63 |
| ULTSH -0.3|LLFT4 +0 | 0.63 (CI 0.49-0.76; PI 0.15-0.95; I2 87%) | 0.66 (CI 0.52-0.79; PI 0.16-0.95; I2 84%) | 0.64 |
| ULTSH -0.4|LLFT4 +0 | 0.66 (CI 0.50-0.78; PI 0.14-0.96; I2 88%) | 0.65 (CI 0.49-0.79; PI 0.12-0.96; I2 85%) | 0.64 |
| ULTSH -0.5|LLFT4 +0 | 0.70 (CI 0.52-0.84; PI 0.10-0.98; I2 88%) | 0.66 (CI 0.47-0.81; PI 0.09-0.98; I2 87%) | 0.68 |
| ULTSH -0.6|LLFT4 +0 | 0.73 (CI 0.53-0.86; PI 0.08-0.99; I2 88%) | 0.65 (CI 0.46-0.81; PI 0.08-0.98; I2 88%) | 0.69 |
| ULTSH -0.7|LLFT4 +0 | 0.75 (CI 0.51-0.90; PI 0.04-0.99; I2 84%) | 0.65 (CI 0.45-0.81; PI 0.08-0.98; I2 89%) | 0.71 |
| ULTSH -0.8|LLFT4 +0 | 0.72 (CI 0.53-0.86; PI 0.09-0.98; I2 85%) | 0.62 (CI 0.45-0.76; PI 0.11-0.96; I2 89%) | 0.66 |
| ULTSH -0.9|LLFT4 +0 | 0.70 (CI 0.53-0.83; PI 0.12-0.98; I2 85%) | 0.57 (CI 0.42-0.71; PI 0.12-0.93; I2 89%) | 0.62 |
| ULTSH -1.0|LLFT4 +0 | 0.69 (CI 0.54-0.81; PI 0.15-0.97; I2 82%) | 0.53 (CI 0.39-0.67; PI 0.11-0.91; I2 89%) | 0.59 |
| ULTSH -0.1|LLFT4 +1 | 0.53 (CI 0.41-0.65; PI 0.16-0.87; I2 81%) | 0.66 (CI 0.48-0.80; PI 0.11-0.97; I2 79%) | 0.57 |
| ULTSH -0.2|LLFT4 +1 | 0.55 (CI 0.43-0.67; PI 0.16-0.89; I2 83%) | 0.65 (CI 0.49-0.79; PI 0.12-0.96; I2 83%) | 0.58 |
| ULTSH -0.3|LLFT4 +1 | 0.56 (CI 0.44-0.69; PI 0.16-0.90; I2 84%) | 0.65 (CI 0.50-0.78; PI 0.14-0.96; I2 84%) | 0.59 |
| ULTSH -0.4|LLFT4 +1 | 0.59 (CI 0.45-0.72; PI 0.14-0.93; I2 86%) | 0.65 (CI 0.48-0.79; PI 0.11-0.96; I2 85%) | 0.61 |
| ULTSH -0.5|LLFT4 +1 | 0.63 (CI 0.45-0.78; PI 0.09-0.96; I2 86%) | 0.66 (CI 0.47-0.81; PI 0.08-0.98; I2 87%) | 0.64 |
| ULTSH -0.6|LLFT4 +1 | 0.65 (CI 0.46-0.80; PI 0.08-0.97; I2 88%) | 0.66 (CI 0.46-0.81; PI 0.07-0.98; I2 88%) | 0.65 |
| ULTSH -0.7|LLFT4 +1 | 0.65 (CI 0.44-0.82; PI 0.06-0.98; I2 87%) | 0.66 (CI 0.45-0.82; PI 0.06-0.98; I2 89%) | 0.66 |
| ULTSH -0.8|LLFT4 +1 | 0.64 (CI 0.46-0.79; PI 0.09-0.97; I2 85%) | 0.63 (CI 0.45-0.78; PI 0.09-0.96; I2 89%) | 0.63 |
| ULTSH -0.9|LLFT4 +1 | 0.63 (CI 0.46-0.77; PI 0.11-0.96; I2 86%) | 0.58 (CI 0.43-0.72; PI 0.12-0.94; I2 88%) | 0.60 |
| ULTSH -1.0|LLFT4 +1 | 0.62 (CI 0.46-0.76; PI 0.12-0.95; I2 85%) | 0.54 (CI 0.39-0.68; PI 0.11-0.92; I2 88%) | 0.56 |
| ULTSH -0.1|LLFT4 +2 | 0.47 (CI 0.38-0.57; PI 0.19-0.78; I2 72%) | 0.64 (CI 0.47-0.78; PI 0.11-0.96; I2 78%) | 0.53 |
| ULTSH -0.2|LLFT4 +2 | 0.49 (CI 0.39-0.59; PI 0.19-0.80; I2 74%) | 0.64 (CI 0.47-0.78; PI 0.12-0.96; I2 81%) | 0.54 |
| ULTSH -0.3|LLFT4 +2 | 0.50 (CI 0.40-0.60; PI 0.18-0.82; I2 77%) | 0.64 (CI 0.49-0.77; PI 0.14-0.95; I2 82%) | 0.55 |
| ULTSH -0.4|LLFT4 +2 | 0.52 (CI 0.40-0.63; PI 0.17-0.85; I2 79%) | 0.65 (CI 0.48-0.78; PI 0.12-0.96; I2 84%) | 0.56 |
| ULTSH -0.5|LLFT4 +2 | 0.55 (CI 0.40-0.68; PI 0.12-0.91; I2 83%) | 0.66 (CI 0.47-0.81; PI 0.08-0.98; I2 86%) | 0.59 |
| ULTSH -0.6|LLFT4 +2 | 0.55 (CI 0.41-0.69; PI 0.11-0.92; I2 86%) | 0.66 (CI 0.46-0.82; PI 0.07-0.98; I2 88%) | 0.59 |
| ULTSH -0.7|LLFT4 +2 | 0.55 (CI 0.39-0.70; PI 0.09-0.94; I2 86%) | 0.66 (CI 0.45-0.82; PI 0.07-0.98; I2 88%) | 0.60 |
| ULTSH -0.8|LLFT4 +2 | 0.55 (CI 0.40-0.69; PI 0.11-0.92; I2 84%) | 0.63 (CI 0.46-0.78; PI 0.10-0.96; I2 88%) | 0.58 |
| ULTSH -0.9|LLFT4 +2 | 0.54 (CI 0.40-0.67; PI 0.12-0.91; I2 85%) | 0.58 (CI 0.43-0.72; PI 0.12-0.93; I2 87%) | 0.55 |
| ULTSH -1.0|LLFT4 +2 | 0.54 (CI 0.40-0.67; PI 0.12-0.91; I2 84%) | 0.54 (CI 0.39-0.68; PI 0.11-0.91; I2 87%) | 0.53 |
| ULTSH -0.1|LLFT4 +3 | 0.42 (CI 0.34-0.51; PI 0.18-0.71; I2 66%) | 0.62 (CI 0.46-0.76; PI 0.12-0.95; I2 74%) | 0.49 |
| ULTSH -0.2|LLFT4 +3 | 0.43 (CI 0.35-0.52; PI 0.19-0.71; I2 66%) | 0.62 (CI 0.47-0.76; PI 0.14-0.95; I2 77%) | 0.50 |
| ULTSH -0.3|LLFT4 +3 | 0.44 (CI 0.35-0.53; PI 0.19-0.72; I2 68%) | 0.63 (CI 0.48-0.76; PI 0.15-0.94; I2 79%) | 0.51 |
| ULTSH -0.4|LLFT4 +3 | 0.45 (CI 0.36-0.54; PI 0.19-0.74; I2 70%) | 0.64 (CI 0.48-0.77; PI 0.13-0.95; I2 82%) | 0.51 |
| ULTSH -0.5|LLFT4 +3 | 0.45 (CI 0.36-0.55; PI 0.17-0.76; I2 73%) | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 83%) | 0.52 |
| ULTSH -0.6|LLFT4 +3 | 0.46 (CI 0.36-0.56; PI 0.16-0.78; I2 77%) | 0.65 (CI 0.46-0.80; PI 0.09-0.97; I2 85%) | 0.52 |
| ULTSH -0.7|LLFT4 +3 | 0.44 (CI 0.34-0.55; PI 0.15-0.79; I2 78%) | 0.65 (CI 0.46-0.81; PI 0.08-0.98; I2 85%) | 0.51 |
| ULTSH -0.8|LLFT4 +3 | 0.44 (CI 0.35-0.54; PI 0.16-0.76; I2 75%) | 0.62 (CI 0.46-0.76; PI 0.12-0.95; I2 85%) | 0.50 |
| ULTSH -0.9|LLFT4 +3 | 0.43 (CI 0.34-0.53; PI 0.16-0.75; I2 76%) | 0.58 (CI 0.44-0.71; PI 0.14-0.92; I2 83%) | 0.49 |
| ULTSH -1.0|LLFT4 +3 | 0.43 (CI 0.34-0.53; PI 0.16-0.75; I2 74%) | 0.54 (CI 0.40-0.68; PI 0.13-0.91; I2 83%) | 0.47 |
| ULTSH -0.1|LLFT4 +4 | 0.39 (CI 0.32-0.46; PI 0.20-0.61; I2 54%) | 0.63 (CI 0.47-0.77; PI 0.13-0.95; I2 71%) | 0.47 |
| ULTSH -0.2|LLFT4 +4 | 0.39 (CI 0.33-0.47; PI 0.20-0.62; I2 56%) | 0.64 (CI 0.47-0.77; PI 0.13-0.95; I2 73%) | 0.48 |
| ULTSH -0.3|LLFT4 +4 | 0.40 (CI 0.33-0.47; PI 0.21-0.63; I2 57%) | 0.64 (CI 0.49-0.77; PI 0.15-0.95; I2 77%) | 0.48 |
| ULTSH -0.4|LLFT4 +4 | 0.40 (CI 0.33-0.48; PI 0.20-0.65; I2 60%) | 0.66 (CI 0.50-0.79; PI 0.15-0.96; I2 78%) | 0.49 |
| ULTSH -0.5|LLFT4 +4 | 0.40 (CI 0.32-0.47; PI 0.19-0.65; I2 61%) | 0.66 (CI 0.49-0.80; PI 0.12-0.97; I2 79%) | 0.48 |
| ULTSH -0.6|LLFT4 +4 | 0.40 (CI 0.32-0.48; PI 0.18-0.67; I2 67%) | 0.68 (CI 0.49-0.82; PI 0.10-0.97; I2 81%) | 0.48 |
| ULTSH -0.7|LLFT4 +4 | 0.38 (CI 0.31-0.47; PI 0.17-0.66; I2 67%) | 0.68 (CI 0.49-0.83; PI 0.09-0.98; I2 81%) | 0.47 |
| ULTSH -0.8|LLFT4 +4 | 0.37 (CI 0.30-0.45; PI 0.16-0.65; I2 64%) | 0.65 (CI 0.47-0.80; PI 0.11-0.97; I2 81%) | 0.46 |
| ULTSH -0.9|LLFT4 +4 | 0.36 (CI 0.29-0.45; PI 0.16-0.64; I2 66%) | 0.61 (CI 0.46-0.75; PI 0.13-0.94; I2 80%) | 0.45 |
| ULTSH -1.0|LLFT4 +4 | 0.36 (CI 0.28-0.44; PI 0.15-0.65; I2 67%) | 0.57 (CI 0.42-0.71; PI 0.13-0.92; I2 80%) | 0.43 |
| ULTSH -0.1|LLFT4 +5 | 0.36 (CI 0.30-0.43; PI 0.20-0.57; I2 51%) | 0.63 (CI 0.47-0.76; PI 0.14-0.95; I2 70%) | 0.45 |
| ULTSH -0.2|LLFT4 +5 | 0.37 (CI 0.30-0.44; PI 0.19-0.58; I2 54%) | 0.63 (CI 0.47-0.76; PI 0.13-0.95; I2 71%) | 0.45 |
| ULTSH -0.3|LLFT4 +5 | 0.36 (CI 0.30-0.43; PI 0.20-0.57; I2 52%) | 0.65 (CI 0.48-0.78; PI 0.13-0.96; I2 73%) | 0.45 |
| ULTSH -0.4|LLFT4 +5 | 0.37 (CI 0.30-0.43; PI 0.20-0.58; I2 53%) | 0.66 (CI 0.49-0.80; PI 0.12-0.96; I2 75%) | 0.46 |
| ULTSH -0.5|LLFT4 +5 | 0.36 (CI 0.29-0.43; PI 0.18-0.58; I2 55%) | 0.67 (CI 0.48-0.81; PI 0.10-0.97; I2 76%) | 0.45 |
| ULTSH -0.6|LLFT4 +5 | 0.36 (CI 0.29-0.43; PI 0.17-0.59; I2 59%) | 0.68 (CI 0.49-0.83; PI 0.10-0.98; I2 76%) | 0.45 |
| ULTSH -0.7|LLFT4 +5 | 0.34 (CI 0.27-0.41; PI 0.17-0.57; I2 58%) | 0.70 (CI 0.49-0.85; PI 0.08-0.98; I2 75%) | 0.44 |
| ULTSH -0.8|LLFT4 +5 | 0.33 (CI 0.26-0.40; PI 0.16-0.56; I2 57%) | 0.67 (CI 0.48-0.82; PI 0.10-0.98; I2 76%) | 0.43 |
| ULTSH -0.9|LLFT4 +5 | 0.32 (CI 0.25-0.39; PI 0.14-0.57; I2 61%) | 0.63 (CI 0.46-0.78; PI 0.12-0.95; I2 77%) | 0.41 |
| ULTSH -1.0|LLFT4 +5 | 0.31 (CI 0.24-0.39; PI 0.12-0.60; I2 65%) | 0.58 (CI 0.42-0.72; PI 0.12-0.93; I2 76%) | 0.40 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 29 – Diagnostic performance for treatment indication with fixed limits in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.92 (CI 0.87-0.95; PI 0.83-0.97; I2 0%) | 0.64 (CI 0.48-0.78; PI 0.15-0.95; I2 70%) | 0.79 |
| ULTSH 3.1|LLFT4 5 | 0.92 (CI 0.86-0.96; PI 0.79-0.97; I2 0%) | 0.68 (CI 0.50-0.81; PI 0.12-0.97; I2 73%) | 0.81 |
| ULTSH 3.2|LLFT4 5 | 0.92 (CI 0.86-0.96; PI 0.79-0.97; I2 0%) | 0.72 (CI 0.53-0.85; PI 0.12-0.98; I2 72%) | 0.83 |
| ULTSH 3.3|LLFT4 5 | 0.92 (CI 0.86-0.96; PI 0.79-0.97; I2 0%) | 0.77 (CI 0.58-0.89; PI 0.11-0.99; I2 74%) | 0.87 |
| ULTSH 3.4|LLFT4 5 | 0.90 (CI 0.83-0.94; PI 0.71-0.97; I2 0%) | 0.78 (CI 0.56-0.91; PI 0.08-0.99; I2 72%) | 0.85 |
| ULTSH 3.5|LLFT4 5 | 0.88 (CI 0.80-0.93; PI 0.61-0.97; I2 23%) | 0.79 (CI 0.58-0.91; PI 0.09-0.99; I2 71%) | 0.85 |
| ULTSH 3.6|LLFT4 5 | 0.86 (CI 0.77-0.92; PI 0.58-0.96; I2 13%) | 0.81 (CI 0.61-0.92; PI 0.10-0.99; I2 67%) | 0.84 |
| ULTSH 3.7|LLFT4 5 | 0.83 (CI 0.74-0.90; PI 0.53-0.96; I2 34%) | 0.81 (CI 0.63-0.92; PI 0.14-0.99; I2 62%) | 0.84 |
| ULTSH 3.8|LLFT4 5 | 0.79 (CI 0.67-0.87; PI 0.38-0.96; I2 46%) | 0.81 (CI 0.61-0.92; PI 0.13-0.99; I2 60%) | 0.81 |
| ULTSH 3.9|LLFT4 5 | 0.78 (CI 0.65-0.87; PI 0.35-0.96; I2 46%) | 0.84 (CI 0.67-0.93; PI 0.18-0.99; I2 59%) | 0.82 |
| ULTSH 4.0|LLFT4 5 | 0.76 (CI 0.63-0.86; PI 0.29-0.96; I2 51%) | 0.85 (CI 0.69-0.93; PI 0.21-0.99; I2 54%) | 0.81 |
| ULTSH 4.1|LLFT4 5 | 0.75 (CI 0.60-0.86; PI 0.25-0.97; I2 53%) | 0.86 (CI 0.69-0.94; PI 0.17-0.99; I2 56%) | 0.81 |
| ULTSH 4.2|LLFT4 5 | 0.73 (CI 0.57-0.84; PI 0.21-0.97; I2 56%) | 0.87 (CI 0.72-0.94; PI 0.26-0.99; I2 47%) | 0.80 |
| ULTSH 4.3|LLFT4 5 | 0.69 (CI 0.54-0.80; PI 0.23-0.94; I2 54%) | 0.86 (CI 0.72-0.94; PI 0.27-0.99; I2 45%) | 0.77 |
| ULTSH 4.4|LLFT4 5 | 0.63 (CI 0.50-0.74; PI 0.24-0.90; I2 46%) | 0.86 (CI 0.72-0.94; PI 0.30-0.99; I2 28%) | 0.74 |
| ULTSH 4.5|LLFT4 5 | 0.61 (CI 0.47-0.73; PI 0.21-0.90; I2 47%) | 0.87 (CI 0.73-0.94; PI 0.38-0.99; I2 11%) | 0.72 |
| ULTSH 3.0|LLFT4 6 | 0.92 (CI 0.88-0.95; PI 0.88-0.95; I2 0%) | 0.64 (CI 0.48-0.78; PI 0.14-0.95; I2 71%) | 0.79 |
| ULTSH 3.1|LLFT4 6 | 0.92 (CI 0.87-0.96; PI 0.82-0.97; I2 0%) | 0.68 (CI 0.50-0.81; PI 0.12-0.97; I2 74%) | 0.81 |
| ULTSH 3.2|LLFT4 6 | 0.92 (CI 0.87-0.96; PI 0.82-0.97; I2 0%) | 0.72 (CI 0.53-0.85; PI 0.12-0.98; I2 72%) | 0.84 |
| ULTSH 3.3|LLFT4 6 | 0.92 (CI 0.87-0.96; PI 0.82-0.97; I2 0%) | 0.77 (CI 0.58-0.89; PI 0.11-0.99; I2 74%) | 0.87 |
| ULTSH 3.4|LLFT4 6 | 0.90 (CI 0.84-0.94; PI 0.74-0.96; I2 0%) | 0.78 (CI 0.56-0.91; PI 0.08-0.99; I2 72%) | 0.85 |
| ULTSH 3.5|LLFT4 6 | 0.88 (CI 0.81-0.93; PI 0.63-0.97; I2 18%) | 0.79 (CI 0.58-0.91; PI 0.08-0.99; I2 71%) | 0.85 |
| ULTSH 3.6|LLFT4 6 | 0.86 (CI 0.78-0.92; PI 0.60-0.96; I2 10%) | 0.81 (CI 0.61-0.92; PI 0.10-0.99; I2 67%) | 0.85 |
| ULTSH 3.7|LLFT4 6 | 0.83 (CI 0.75-0.90; PI 0.54-0.96; I2 32%) | 0.81 (CI 0.63-0.92; PI 0.14-0.99; I2 62%) | 0.85 |
| ULTSH 3.8|LLFT4 6 | 0.79 (CI 0.68-0.87; PI 0.39-0.96; I2 45%) | 0.81 (CI 0.61-0.92; PI 0.13-0.99; I2 60%) | 0.81 |
| ULTSH 3.9|LLFT4 6 | 0.78 (CI 0.66-0.87; PI 0.36-0.96; I2 45%) | 0.84 (CI 0.67-0.93; PI 0.18-0.99; I2 59%) | 0.82 |
| ULTSH 4.0|LLFT4 6 | 0.77 (CI 0.63-0.86; PI 0.30-0.96; I2 50%) | 0.85 (CI 0.69-0.93; PI 0.21-0.99; I2 54%) | 0.81 |
| ULTSH 4.1|LLFT4 6 | 0.75 (CI 0.61-0.86; PI 0.26-0.96; I2 52%) | 0.86 (CI 0.69-0.94; PI 0.17-0.99; I2 57%) | 0.81 |
| ULTSH 4.2|LLFT4 6 | 0.73 (CI 0.57-0.84; PI 0.21-0.97; I2 56%) | 0.87 (CI 0.72-0.94; PI 0.26-0.99; I2 47%) | 0.80 |
| ULTSH 4.3|LLFT4 6 | 0.69 (CI 0.54-0.80; PI 0.23-0.94; I2 54%) | 0.86 (CI 0.72-0.94; PI 0.27-0.99; I2 45%) | 0.77 |
| ULTSH 4.4|LLFT4 6 | 0.63 (CI 0.50-0.74; PI 0.24-0.90; I2 46%) | 0.86 (CI 0.72-0.94; PI 0.30-0.99; I2 28%) | 0.74 |
| ULTSH 4.5|LLFT4 6 | 0.61 (CI 0.47-0.73; PI 0.21-0.90; I2 47%) | 0.87 (CI 0.73-0.94; PI 0.38-0.99; I2 11%) | 0.72 |
| ULTSH 3.0|LLFT4 7 | 0.95 (CI 0.90-0.98; PI 0.82-0.99; I2 0%) | 0.63 (CI 0.47-0.77; PI 0.13-0.95; I2 75%) | 0.80 |
| ULTSH 3.1|LLFT4 7 | 0.96 (CI 0.90-0.98; PI 0.77-0.99; I2 0%) | 0.67 (CI 0.48-0.81; PI 0.10-0.97; I2 77%) | 0.82 |
| ULTSH 3.2|LLFT4 7 | 0.96 (CI 0.90-0.98; PI 0.77-0.99; I2 0%) | 0.71 (CI 0.52-0.85; PI 0.10-0.98; I2 75%) | 0.86 |
| ULTSH 3.3|LLFT4 7 | 0.96 (CI 0.90-0.98; PI 0.77-0.99; I2 0%) | 0.77 (CI 0.56-0.89; PI 0.09-0.99; I2 76%) | 0.89 |
| ULTSH 3.4|LLFT4 7 | 0.92 (CI 0.87-0.96; PI 0.76-0.98; I2 0%) | 0.77 (CI 0.55-0.90; PI 0.07-0.99; I2 73%) | 0.86 |
| ULTSH 3.5|LLFT4 7 | 0.91 (CI 0.84-0.95; PI 0.66-0.98; I2 23%) | 0.78 (CI 0.56-0.90; PI 0.08-0.99; I2 71%) | 0.85 |
| ULTSH 3.6|LLFT4 7 | 0.88 (CI 0.80-0.93; PI 0.57-0.98; I2 19%) | 0.79 (CI 0.59-0.91; PI 0.10-0.99; I2 66%) | 0.85 |
| ULTSH 3.7|LLFT4 7 | 0.85 (CI 0.77-0.91; PI 0.53-0.97; I2 35%) | 0.80 (CI 0.61-0.91; PI 0.14-0.99; I2 62%) | 0.85 |
| ULTSH 3.8|LLFT4 7 | 0.81 (CI 0.69-0.89; PI 0.36-0.97; I2 49%) | 0.79 (CI 0.59-0.91; PI 0.12-0.99; I2 61%) | 0.81 |
| ULTSH 3.9|LLFT4 7 | 0.80 (CI 0.68-0.88; PI 0.34-0.97; I2 45%) | 0.83 (CI 0.66-0.93; PI 0.17-0.99; I2 60%) | 0.83 |
| ULTSH 4.0|LLFT4 7 | 0.79 (CI 0.65-0.88; PI 0.28-0.97; I2 49%) | 0.84 (CI 0.67-0.93; PI 0.20-0.99; I2 55%) | 0.82 |
| ULTSH 4.1|LLFT4 7 | 0.77 (CI 0.62-0.88; PI 0.24-0.97; I2 51%) | 0.85 (CI 0.67-0.94; PI 0.16-0.99; I2 58%) | 0.82 |
| ULTSH 4.2|LLFT4 7 | 0.75 (CI 0.58-0.86; PI 0.19-0.97; I2 51%) | 0.86 (CI 0.70-0.94; PI 0.23-0.99; I2 49%) | 0.81 |
| ULTSH 4.3|LLFT4 7 | 0.70 (CI 0.55-0.81; PI 0.24-0.95; I2 53%) | 0.86 (CI 0.71-0.94; PI 0.26-0.99; I2 46%) | 0.78 |
| ULTSH 4.4|LLFT4 7 | 0.64 (CI 0.51-0.75; PI 0.25-0.91; I2 46%) | 0.86 (CI 0.70-0.94; PI 0.27-0.99; I2 32%) | 0.74 |
| ULTSH 4.5|LLFT4 7 | 0.62 (CI 0.48-0.74; PI 0.21-0.90; I2 49%) | 0.86 (CI 0.72-0.94; PI 0.33-0.99; I2 18%) | 0.73 |
| ULTSH 3.0|LLFT4 8 | 0.97 (CI 0.91-0.99; PI 0.76-1.00; I2 0%) | 0.59 (CI 0.41-0.74; PI 0.10-0.95; I2 81%) | 0.76 |
| ULTSH 3.1|LLFT4 8 | 0.97 (CI 0.91-0.99; PI 0.70-1.00; I2 0%) | 0.62 (CI 0.44-0.77; PI 0.10-0.96; I2 82%) | 0.79 |
| ULTSH 3.2|LLFT4 8 | 0.97 (CI 0.91-0.99; PI 0.70-1.00; I2 0%) | 0.67 (CI 0.48-0.81; PI 0.10-0.97; I2 82%) | 0.82 |
| ULTSH 3.3|LLFT4 8 | 0.97 (CI 0.91-0.99; PI 0.70-1.00; I2 0%) | 0.72 (CI 0.52-0.86; PI 0.09-0.99; I2 81%) | 0.86 |
| ULTSH 3.4|LLFT4 8 | 0.93 (CI 0.87-0.97; PI 0.72-0.99; I2 0%) | 0.72 (CI 0.50-0.88; PI 0.06-0.99; I2 79%) | 0.83 |
| ULTSH 3.5|LLFT4 8 | 0.92 (CI 0.84-0.96; PI 0.59-0.99; I2 6%) | 0.73 (CI 0.50-0.87; PI 0.07-0.99; I2 77%) | 0.82 |
| ULTSH 3.6|LLFT4 8 | 0.90 (CI 0.80-0.95; PI 0.49-0.99; I2 0%) | 0.74 (CI 0.54-0.88; PI 0.09-0.99; I2 74%) | 0.82 |
| ULTSH 3.7|LLFT4 8 | 0.87 (CI 0.77-0.93; PI 0.47-0.98; I2 13%) | 0.75 (CI 0.55-0.88; PI 0.11-0.99; I2 72%) | 0.81 |
| ULTSH 3.8|LLFT4 8 | 0.82 (CI 0.69-0.91; PI 0.30-0.98; I2 27%) | 0.75 (CI 0.54-0.89; PI 0.10-0.99; I2 72%) | 0.79 |
| ULTSH 3.9|LLFT4 8 | 0.81 (CI 0.67-0.90; PI 0.28-0.98; I2 16%) | 0.79 (CI 0.59-0.91; PI 0.12-0.99; I2 71%) | 0.81 |
| ULTSH 4.0|LLFT4 8 | 0.80 (CI 0.65-0.90; PI 0.23-0.98; I2 19%) | 0.80 (CI 0.61-0.91; PI 0.14-0.99; I2 69%) | 0.80 |
| ULTSH 4.1|LLFT4 8 | 0.79 (CI 0.62-0.90; PI 0.20-0.98; I2 19%) | 0.82 (CI 0.62-0.92; PI 0.12-0.99; I2 67%) | 0.81 |
| ULTSH 4.2|LLFT4 8 | 0.76 (CI 0.58-0.88; PI 0.15-0.98; I2 11%) | 0.82 (CI 0.64-0.92; PI 0.15-0.99; I2 63%) | 0.80 |
| ULTSH 4.3|LLFT4 8 | 0.71 (CI 0.56-0.82; PI 0.22-0.95; I2 55%) | 0.82 (CI 0.64-0.92; PI 0.17-0.99; I2 59%) | 0.77 |
| ULTSH 4.4|LLFT4 8 | 0.64 (CI 0.51-0.76; PI 0.24-0.91; I2 50%) | 0.82 (CI 0.63-0.92; PI 0.17-0.99; I2 51%) | 0.73 |
| ULTSH 4.5|LLFT4 8 | 0.62 (CI 0.48-0.74; PI 0.21-0.91; I2 52%) | 0.83 (CI 0.65-0.92; PI 0.20-0.99; I2 44%) | 0.72 |
| ULTSH 3.0|LLFT4 9 | 0.97 (CI 0.92-0.99; PI 0.74-1.00; I2 0%) | 0.54 (CI 0.35-0.71; PI 0.06-0.95; I2 87%) | 0.73 |
| ULTSH 3.1|LLFT4 9 | 0.97 (CI 0.91-0.99; PI 0.68-1.00; I2 0%) | 0.57 (CI 0.37-0.74; PI 0.06-0.96; I2 87%) | 0.75 |
| ULTSH 3.2|LLFT4 9 | 0.97 (CI 0.91-0.99; PI 0.68-1.00; I2 0%) | 0.61 (CI 0.41-0.78; PI 0.07-0.97; I2 86%) | 0.78 |
| ULTSH 3.3|LLFT4 9 | 0.97 (CI 0.91-0.99; PI 0.68-1.00; I2 0%) | 0.67 (CI 0.45-0.84; PI 0.06-0.99; I2 85%) | 0.84 |
| ULTSH 3.4|LLFT4 9 | 0.94 (CI 0.88-0.97; PI 0.72-0.99; I2 0%) | 0.67 (CI 0.42-0.85; PI 0.04-0.99; I2 82%) | 0.80 |
| ULTSH 3.5|LLFT4 9 | 0.92 (CI 0.84-0.96; PI 0.58-0.99; I2 14%) | 0.68 (CI 0.43-0.85; PI 0.05-0.99; I2 81%) | 0.79 |
| ULTSH 3.6|LLFT4 9 | 0.90 (CI 0.80-0.95; PI 0.50-0.99; I2 0%) | 0.69 (CI 0.46-0.85; PI 0.06-0.99; I2 78%) | 0.78 |
| ULTSH 3.7|LLFT4 9 | 0.87 (CI 0.77-0.93; PI 0.47-0.98; I2 17%) | 0.70 (CI 0.48-0.85; PI 0.08-0.98; I2 77%) | 0.78 |
| ULTSH 3.8|LLFT4 9 | 0.83 (CI 0.69-0.91; PI 0.30-0.98; I2 28%) | 0.69 (CI 0.47-0.85; PI 0.07-0.99; I2 76%) | 0.75 |
| ULTSH 3.9|LLFT4 9 | 0.82 (CI 0.68-0.90; PI 0.29-0.98; I2 18%) | 0.73 (CI 0.52-0.87; PI 0.10-0.99; I2 76%) | 0.77 |
| ULTSH 4.0|LLFT4 9 | 0.80 (CI 0.65-0.90; PI 0.24-0.98; I2 19%) | 0.74 (CI 0.54-0.87; PI 0.11-0.98; I2 73%) | 0.76 |
| ULTSH 4.1|LLFT4 9 | 0.79 (CI 0.63-0.90; PI 0.20-0.98; I2 17%) | 0.76 (CI 0.56-0.89; PI 0.11-0.99; I2 72%) | 0.77 |
| ULTSH 4.2|LLFT4 9 | 0.77 (CI 0.58-0.88; PI 0.15-0.98; I2 9%) | 0.77 (CI 0.57-0.89; PI 0.12-0.99; I2 71%) | 0.76 |
| ULTSH 4.3|LLFT4 9 | 0.71 (CI 0.56-0.82; PI 0.22-0.95; I2 54%) | 0.76 (CI 0.57-0.89; PI 0.13-0.99; I2 68%) | 0.74 |
| ULTSH 4.4|LLFT4 9 | 0.65 (CI 0.51-0.76; PI 0.24-0.91; I2 49%) | 0.76 (CI 0.56-0.89; PI 0.13-0.99; I2 63%) | 0.71 |
| ULTSH 4.5|LLFT4 9 | 0.62 (CI 0.48-0.74; PI 0.21-0.91; I2 51%) | 0.77 (CI 0.58-0.89; PI 0.16-0.98; I2 57%) | 0.70 |
| ULTSH 3.0|LLFT4 10 | 0.98 (CI 0.92-0.99; PI 0.74-1.00; I2 0%) | 0.50 (CI 0.30-0.70; PI 0.04-0.96; I2 90%) | 0.70 |
| ULTSH 3.1|LLFT4 10 | 0.98 (CI 0.92-0.99; PI 0.69-1.00; I2 0%) | 0.53 (CI 0.32-0.73; PI 0.04-0.97; I2 89%) | 0.72 |
| ULTSH 3.2|LLFT4 10 | 0.98 (CI 0.92-0.99; PI 0.69-1.00; I2 0%) | 0.57 (CI 0.35-0.77; PI 0.04-0.98; I2 88%) | 0.77 |
| ULTSH 3.3|LLFT4 10 | 0.98 (CI 0.92-0.99; PI 0.69-1.00; I2 0%) | 0.64 (CI 0.39-0.83; PI 0.03-0.99; I2 87%) | 0.83 |
| ULTSH 3.4|LLFT4 10 | 0.94 (CI 0.88-0.97; PI 0.70-0.99; I2 0%) | 0.64 (CI 0.37-0.85; PI 0.02-0.99; I2 85%) | 0.78 |
| ULTSH 3.5|LLFT4 10 | 0.92 (CI 0.84-0.96; PI 0.58-0.99; I2 14%) | 0.64 (CI 0.38-0.84; PI 0.03-0.99; I2 83%) | 0.76 |
| ULTSH 3.6|LLFT4 10 | 0.90 (CI 0.80-0.95; PI 0.50-0.99; I2 0%) | 0.66 (CI 0.40-0.84; PI 0.04-0.99; I2 81%) | 0.75 |
| ULTSH 3.7|LLFT4 10 | 0.87 (CI 0.77-0.93; PI 0.47-0.98; I2 17%) | 0.66 (CI 0.41-0.84; PI 0.04-0.99; I2 80%) | 0.74 |
| ULTSH 3.8|LLFT4 10 | 0.83 (CI 0.69-0.91; PI 0.30-0.98; I2 28%) | 0.65 (CI 0.39-0.84; PI 0.04-0.99; I2 79%) | 0.71 |
| ULTSH 3.9|LLFT4 10 | 0.82 (CI 0.68-0.90; PI 0.29-0.98; I2 18%) | 0.67 (CI 0.43-0.84; PI 0.05-0.99; I2 78%) | 0.72 |
| ULTSH 4.0|LLFT4 10 | 0.80 (CI 0.65-0.90; PI 0.24-0.98; I2 19%) | 0.68 (CI 0.45-0.85; PI 0.07-0.98; I2 75%) | 0.72 |
| ULTSH 4.1|LLFT4 10 | 0.79 (CI 0.63-0.90; PI 0.20-0.98; I2 17%) | 0.71 (CI 0.47-0.86; PI 0.07-0.99; I2 73%) | 0.73 |
| ULTSH 4.2|LLFT4 10 | 0.77 (CI 0.58-0.88; PI 0.15-0.98; I2 9%) | 0.71 (CI 0.49-0.87; PI 0.08-0.99; I2 73%) | 0.72 |
| ULTSH 4.3|LLFT4 10 | 0.71 (CI 0.56-0.82; PI 0.22-0.95; I2 54%) | 0.71 (CI 0.50-0.86; PI 0.09-0.98; I2 70%) | 0.71 |
| ULTSH 4.4|LLFT4 10 | 0.65 (CI 0.51-0.76; PI 0.24-0.91; I2 49%) | 0.71 (CI 0.47-0.87; PI 0.07-0.99; I2 65%) | 0.68 |
| ULTSH 4.5|LLFT4 10 | 0.62 (CI 0.48-0.74; PI 0.21-0.91; I2 51%) | 0.72 (CI 0.49-0.87; PI 0.08-0.99; I2 60%) | 0.67 |
| ULTSH 3.0|LLFT4 11 | 1.00 (CI 0.86-1.00; PI 0.20-1.00; I2 0%) | 0.44 (CI 0.24-0.66; PI 0.02-0.97; I2 91%) | 0.65 |
| ULTSH 3.1|LLFT4 11 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.47 (CI 0.26-0.69; PI 0.02-0.97; I2 91%) | 0.68 |
| ULTSH 3.2|LLFT4 11 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.51 (CI 0.29-0.73; PI 0.03-0.98; I2 90%) | 0.73 |
| ULTSH 3.3|LLFT4 11 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.58 (CI 0.33-0.79; PI 0.03-0.99; I2 89%) | 0.79 |
| ULTSH 3.4|LLFT4 11 | 0.96 (CI 0.89-0.99; PI 0.57-1.00; I2 0%) | 0.58 (CI 0.31-0.81; PI 0.02-0.99; I2 88%) | 0.76 |
| ULTSH 3.5|LLFT4 11 | 0.94 (CI 0.86-0.98; PI 0.50-1.00; I2 16%) | 0.59 (CI 0.32-0.81; PI 0.02-0.99; I2 86%) | 0.73 |
| ULTSH 3.6|LLFT4 11 | 0.92 (CI 0.81-0.97; PI 0.42-0.99; I2 0%) | 0.60 (CI 0.34-0.81; PI 0.03-0.99; I2 85%) | 0.71 |
| ULTSH 3.7|LLFT4 11 | 0.89 (CI 0.78-0.94; PI 0.41-0.99; I2 11%) | 0.60 (CI 0.35-0.81; PI 0.03-0.99; I2 84%) | 0.70 |
| ULTSH 3.8|LLFT4 11 | 0.84 (CI 0.70-0.93; PI 0.25-0.99; I2 11%) | 0.59 (CI 0.33-0.81; PI 0.03-0.99; I2 82%) | 0.67 |
| ULTSH 3.9|LLFT4 11 | 0.83 (CI 0.68-0.92; PI 0.23-0.99; I2 0%) | 0.61 (CI 0.36-0.81; PI 0.04-0.99; I2 80%) | 0.69 |
| ULTSH 4.0|LLFT4 11 | 0.82 (CI 0.65-0.92; PI 0.19-0.99; I2 0%) | 0.62 (CI 0.38-0.82; PI 0.04-0.98; I2 79%) | 0.69 |
| ULTSH 4.1|LLFT4 11 | 0.81 (CI 0.63-0.92; PI 0.16-0.99; I2 0%) | 0.65 (CI 0.40-0.83; PI 0.04-0.99; I2 76%) | 0.69 |
| ULTSH 4.2|LLFT4 11 | 0.79 (CI 0.58-0.91; PI 0.12-0.99; I2 0%) | 0.65 (CI 0.40-0.83; PI 0.04-0.99; I2 74%) | 0.68 |
| ULTSH 4.3|LLFT4 11 | 0.73 (CI 0.56-0.85; PI 0.19-0.97; I2 38%) | 0.66 (CI 0.44-0.83; PI 0.06-0.98; I2 72%) | 0.68 |
| ULTSH 4.4|LLFT4 11 | 0.66 (CI 0.51-0.78; PI 0.20-0.94; I2 26%) | 0.66 (CI 0.41-0.84; PI 0.05-0.99; I2 68%) | 0.66 |
| ULTSH 4.5|LLFT4 11 | 0.64 (CI 0.48-0.77; PI 0.18-0.94; I2 26%) | 0.67 (CI 0.43-0.84; PI 0.06-0.98; I2 64%) | 0.65 |
| ULTSH 3.0|LLFT4 12 | 1.00 (CI 0.87-1.00; PI 0.26-1.00; I2 0%) | 0.37 (CI 0.18-0.60; PI 0.01-0.96; I2 91%) | 0.58 |
| ULTSH 3.1|LLFT4 12 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.40 (CI 0.20-0.63; PI 0.02-0.96; I2 91%) | 0.60 |
| ULTSH 3.2|LLFT4 12 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.44 (CI 0.22-0.67; PI 0.02-0.97; I2 91%) | 0.65 |
| ULTSH 3.3|LLFT4 12 | 1.00 (CI 0.85-1.00; PI 0.15-1.00; I2 0%) | 0.48 (CI 0.26-0.72; PI 0.02-0.98; I2 91%) | 0.70 |
| ULTSH 3.4|LLFT4 12 | 0.96 (CI 0.89-0.99; PI 0.57-1.00; I2 0%) | 0.47 (CI 0.24-0.72; PI 0.02-0.98; I2 90%) | 0.66 |
| ULTSH 3.5|LLFT4 12 | 0.94 (CI 0.86-0.98; PI 0.50-1.00; I2 16%) | 0.48 (CI 0.26-0.72; PI 0.02-0.98; I2 89%) | 0.64 |
| ULTSH 3.6|LLFT4 12 | 0.92 (CI 0.81-0.97; PI 0.42-0.99; I2 0%) | 0.50 (CI 0.28-0.72; PI 0.03-0.97; I2 87%) | 0.63 |
| ULTSH 3.7|LLFT4 12 | 0.89 (CI 0.78-0.94; PI 0.41-0.99; I2 11%) | 0.51 (CI 0.28-0.74; PI 0.02-0.98; I2 86%) | 0.64 |
| ULTSH 3.8|LLFT4 12 | 0.84 (CI 0.70-0.93; PI 0.25-0.99; I2 11%) | 0.50 (CI 0.26-0.74; PI 0.02-0.98; I2 84%) | 0.61 |
| ULTSH 3.9|LLFT4 12 | 0.83 (CI 0.68-0.92; PI 0.23-0.99; I2 0%) | 0.52 (CI 0.30-0.74; PI 0.03-0.98; I2 82%) | 0.63 |
| ULTSH 4.0|LLFT4 12 | 0.82 (CI 0.65-0.92; PI 0.19-0.99; I2 0%) | 0.53 (CI 0.31-0.74; PI 0.04-0.97; I2 80%) | 0.63 |
| ULTSH 4.1|LLFT4 12 | 0.81 (CI 0.63-0.92; PI 0.16-0.99; I2 0%) | 0.55 (CI 0.34-0.75; PI 0.04-0.97; I2 77%) | 0.64 |
| ULTSH 4.2|LLFT4 12 | 0.79 (CI 0.58-0.91; PI 0.12-0.99; I2 0%) | 0.56 (CI 0.35-0.75; PI 0.05-0.97; I2 74%) | 0.63 |
| ULTSH 4.3|LLFT4 12 | 0.73 (CI 0.56-0.85; PI 0.19-0.97; I2 38%) | 0.58 (CI 0.38-0.75; PI 0.07-0.96; I2 72%) | 0.63 |
| ULTSH 4.4|LLFT4 12 | 0.66 (CI 0.51-0.78; PI 0.20-0.94; I2 26%) | 0.59 (CI 0.38-0.76; PI 0.08-0.96; I2 67%) | 0.62 |
| ULTSH 4.5|LLFT4 12 | 0.64 (CI 0.48-0.77; PI 0.18-0.94; I2 26%) | 0.60 (CI 0.39-0.77; PI 0.08-0.96; I2 64%) | 0.61 |
| ULTSH 3.0|LLFT4 13 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.29 (CI 0.15-0.50; PI 0.01-0.93; I2 91%) | 0.50 |
| ULTSH 3.1|LLFT4 13 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.31 (CI 0.16-0.52; PI 0.02-0.93; I2 91%) | 0.52 |
| ULTSH 3.2|LLFT4 13 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.35 (CI 0.18-0.56; PI 0.02-0.95; I2 91%) | 0.57 |
| ULTSH 3.3|LLFT4 13 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.38 (CI 0.20-0.59; PI 0.02-0.95; I2 91%) | 0.60 |
| ULTSH 3.4|LLFT4 13 | 0.97 (CI 0.89-0.99; PI 0.53-1.00; I2 0%) | 0.37 (CI 0.19-0.60; PI 0.02-0.95; I2 90%) | 0.56 |
| ULTSH 3.5|LLFT4 13 | 0.95 (CI 0.86-0.98; PI 0.46-1.00; I2 16%) | 0.38 (CI 0.21-0.60; PI 0.02-0.95; I2 89%) | 0.55 |
| ULTSH 3.6|LLFT4 13 | 0.93 (CI 0.81-0.98; PI 0.36-1.00; I2 0%) | 0.40 (CI 0.23-0.60; PI 0.03-0.94; I2 88%) | 0.56 |
| ULTSH 3.7|LLFT4 13 | 0.90 (CI 0.78-0.96; PI 0.37-0.99; I2 9%) | 0.42 (CI 0.23-0.63; PI 0.03-0.95; I2 87%) | 0.57 |
| ULTSH 3.8|LLFT4 13 | 0.86 (CI 0.70-0.94; PI 0.20-0.99; I2 5%) | 0.41 (CI 0.22-0.63; PI 0.02-0.96; I2 84%) | 0.55 |
| ULTSH 3.9|LLFT4 13 | 0.85 (CI 0.68-0.94; PI 0.18-0.99; I2 0%) | 0.44 (CI 0.26-0.64; PI 0.04-0.94; I2 82%) | 0.57 |
| ULTSH 4.0|LLFT4 13 | 0.85 (CI 0.65-0.94; PI 0.15-0.99; I2 0%) | 0.46 (CI 0.28-0.66; PI 0.04-0.94; I2 80%) | 0.58 |
| ULTSH 4.1|LLFT4 13 | 0.84 (CI 0.63-0.94; PI 0.12-0.99; I2 0%) | 0.48 (CI 0.30-0.67; PI 0.05-0.94; I2 76%) | 0.59 |
| ULTSH 4.2|LLFT4 13 | 0.82 (CI 0.58-0.93; PI 0.08-1.00; I2 0%) | 0.49 (CI 0.31-0.67; PI 0.06-0.94; I2 72%) | 0.59 |
| ULTSH 4.3|LLFT4 13 | 0.75 (CI 0.56-0.87; PI 0.15-0.98; I2 31%) | 0.51 (CI 0.34-0.68; PI 0.08-0.93; I2 71%) | 0.60 |
| ULTSH 4.4|LLFT4 13 | 0.68 (CI 0.51-0.81; PI 0.17-0.96; I2 13%) | 0.53 (CI 0.35-0.70; PI 0.08-0.93; I2 66%) | 0.59 |
| ULTSH 4.5|LLFT4 13 | 0.66 (CI 0.48-0.80; PI 0.15-0.96; I2 10%) | 0.53 (CI 0.36-0.70; PI 0.09-0.93; I2 63%) | 0.58 |
| ULTSH 3.0|LLFT4 14 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.24 (CI 0.13-0.41; PI 0.02-0.87; I2 90%) | 0.43 |
| ULTSH 3.1|LLFT4 14 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.26 (CI 0.14-0.44; PI 0.02-0.88; I2 90%) | 0.45 |
| ULTSH 3.2|LLFT4 14 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.29 (CI 0.16-0.48; PI 0.02-0.90; I2 90%) | 0.49 |
| ULTSH 3.3|LLFT4 14 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.32 (CI 0.18-0.51; PI 0.02-0.91; I2 90%) | 0.52 |
| ULTSH 3.4|LLFT4 14 | 0.97 (CI 0.89-0.99; PI 0.53-1.00; I2 0%) | 0.32 (CI 0.17-0.51; PI 0.02-0.91; I2 90%) | 0.50 |
| ULTSH 3.5|LLFT4 14 | 0.95 (CI 0.86-0.98; PI 0.46-1.00; I2 16%) | 0.33 (CI 0.19-0.52; PI 0.03-0.90; I2 88%) | 0.50 |
| ULTSH 3.6|LLFT4 14 | 0.93 (CI 0.81-0.98; PI 0.36-1.00; I2 0%) | 0.35 (CI 0.20-0.53; PI 0.03-0.90; I2 87%) | 0.52 |
| ULTSH 3.7|LLFT4 14 | 0.90 (CI 0.78-0.96; PI 0.37-0.99; I2 9%) | 0.36 (CI 0.21-0.55; PI 0.03-0.91; I2 86%) | 0.53 |
| ULTSH 3.8|LLFT4 14 | 0.86 (CI 0.70-0.94; PI 0.20-0.99; I2 5%) | 0.36 (CI 0.20-0.56; PI 0.02-0.93; I2 84%) | 0.51 |
| ULTSH 3.9|LLFT4 14 | 0.85 (CI 0.68-0.94; PI 0.18-0.99; I2 0%) | 0.39 (CI 0.23-0.58; PI 0.04-0.91; I2 81%) | 0.54 |
| ULTSH 4.0|LLFT4 14 | 0.85 (CI 0.65-0.94; PI 0.15-0.99; I2 0%) | 0.42 (CI 0.25-0.60; PI 0.04-0.92; I2 79%) | 0.55 |
| ULTSH 4.1|LLFT4 14 | 0.84 (CI 0.63-0.94; PI 0.12-0.99; I2 0%) | 0.44 (CI 0.28-0.61; PI 0.06-0.91; I2 74%) | 0.57 |
| ULTSH 4.2|LLFT4 14 | 0.82 (CI 0.58-0.93; PI 0.08-1.00; I2 0%) | 0.45 (CI 0.28-0.63; PI 0.05-0.93; I2 72%) | 0.57 |
| ULTSH 4.3|LLFT4 14 | 0.75 (CI 0.56-0.87; PI 0.15-0.98; I2 31%) | 0.47 (CI 0.30-0.64; PI 0.07-0.92; I2 71%) | 0.57 |
| ULTSH 4.4|LLFT4 14 | 0.68 (CI 0.51-0.81; PI 0.17-0.96; I2 13%) | 0.49 (CI 0.32-0.66; PI 0.07-0.92; I2 67%) | 0.57 |
| ULTSH 4.5|LLFT4 14 | 0.66 (CI 0.48-0.80; PI 0.15-0.96; I2 10%) | 0.50 (CI 0.32-0.67; PI 0.08-0.92; I2 63%) | 0.56 |
| ULTSH 3.0|LLFT4 15 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.21 (CI 0.11-0.36; PI 0.01-0.83; I2 90%) | 0.37 |
| ULTSH 3.1|LLFT4 15 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.23 (CI 0.12-0.39; PI 0.02-0.85; I2 90%) | 0.40 |
| ULTSH 3.2|LLFT4 15 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.26 (CI 0.14-0.43; PI 0.02-0.87; I2 91%) | 0.44 |
| ULTSH 3.3|LLFT4 15 | 1.00 (CI 0.00-1.00; PI 0.00-1.00; I2 0%) | 0.29 (CI 0.16-0.46; PI 0.02-0.88; I2 90%) | 0.48 |
| ULTSH 3.4|LLFT4 15 | 0.97 (CI 0.89-0.99; PI 0.53-1.00; I2 0%) | 0.29 (CI 0.16-0.47; PI 0.02-0.89; I2 89%) | 0.47 |
| ULTSH 3.5|LLFT4 15 | 0.95 (CI 0.86-0.98; PI 0.46-1.00; I2 16%) | 0.30 (CI 0.17-0.47; PI 0.02-0.88; I2 89%) | 0.47 |
| ULTSH 3.6|LLFT4 15 | 0.93 (CI 0.81-0.98; PI 0.36-1.00; I2 0%) | 0.32 (CI 0.18-0.49; PI 0.03-0.88; I2 87%) | 0.48 |
| ULTSH 3.7|LLFT4 15 | 0.90 (CI 0.78-0.96; PI 0.37-0.99; I2 9%) | 0.33 (CI 0.19-0.51; PI 0.03-0.89; I2 86%) | 0.49 |
| ULTSH 3.8|LLFT4 15 | 0.86 (CI 0.70-0.94; PI 0.20-0.99; I2 5%) | 0.33 (CI 0.18-0.53; PI 0.02-0.91; I2 84%) | 0.48 |
| ULTSH 3.9|LLFT4 15 | 0.85 (CI 0.68-0.94; PI 0.18-0.99; I2 0%) | 0.36 (CI 0.21-0.54; PI 0.04-0.89; I2 81%) | 0.51 |
| ULTSH 4.0|LLFT4 15 | 0.85 (CI 0.65-0.94; PI 0.15-0.99; I2 0%) | 0.39 (CI 0.23-0.57; PI 0.04-0.91; I2 79%) | 0.53 |
| ULTSH 4.1|LLFT4 15 | 0.84 (CI 0.63-0.94; PI 0.12-0.99; I2 0%) | 0.40 (CI 0.25-0.58; PI 0.05-0.90; I2 75%) | 0.54 |
| ULTSH 4.2|LLFT4 15 | 0.82 (CI 0.58-0.93; PI 0.08-1.00; I2 0%) | 0.42 (CI 0.25-0.61; PI 0.04-0.92; I2 72%) | 0.55 |
| ULTSH 4.3|LLFT4 15 | 0.75 (CI 0.56-0.87; PI 0.15-0.98; I2 31%) | 0.43 (CI 0.27-0.61; PI 0.05-0.91; I2 71%) | 0.55 |
| ULTSH 4.4|LLFT4 15 | 0.68 (CI 0.51-0.81; PI 0.17-0.96; I2 13%) | 0.45 (CI 0.28-0.63; PI 0.06-0.91; I2 67%) | 0.55 |
| ULTSH 4.5|LLFT4 15 | 0.66 (CI 0.48-0.80; PI 0.15-0.96; I2 10%) | 0.46 (CI 0.29-0.64; PI 0.07-0.91; I2 63%) | 0.55 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.

# **Supplemental table 30 – Diagnostic performance for treatment consideration with fixed limits in second trimester**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reference limit modification** | **Sensitivity** | **Positive Predictive Value** | **F-Score** |
| ULTSH 3.0|LLFT4 5 | 0.81 (CI 0.73-0.87; PI 0.47-0.95; I2 67%) | 0.47 (CI 0.33-0.61; PI 0.09-0.89; I2 91%) | 0.60 |
| ULTSH 3.1|LLFT4 5 | 0.84 (CI 0.74-0.90; PI 0.36-0.98; I2 75%) | 0.54 (CI 0.38-0.68; PI 0.09-0.93; I2 92%) | 0.66 |
| ULTSH 3.2|LLFT4 5 | 0.84 (CI 0.76-0.90; PI 0.43-0.97; I2 71%) | 0.61 (CI 0.44-0.75; PI 0.09-0.96; I2 92%) | 0.71 |
| ULTSH 3.3|LLFT4 5 | 0.88 (CI 0.74-0.95; PI 0.17-1.00; I2 72%) | 0.66 (CI 0.48-0.81; PI 0.09-0.97; I2 92%) | 0.76 |
| ULTSH 3.4|LLFT4 5 | 0.87 (CI 0.73-0.94; PI 0.19-0.99; I2 77%) | 0.68 (CI 0.50-0.81; PI 0.10-0.97; I2 91%) | 0.77 |
| ULTSH 3.5|LLFT4 5 | 0.86 (CI 0.72-0.93; PI 0.21-0.99; I2 78%) | 0.70 (CI 0.52-0.83; PI 0.10-0.98; I2 89%) | 0.78 |
| ULTSH 3.6|LLFT4 5 | 0.83 (CI 0.70-0.91; PI 0.25-0.99; I2 76%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 87%) | 0.76 |
| ULTSH 3.7|LLFT4 5 | 0.80 (CI 0.69-0.88; PI 0.30-0.98; I2 82%) | 0.71 (CI 0.56-0.83; PI 0.16-0.97; I2 84%) | 0.75 |
| ULTSH 3.8|LLFT4 5 | 0.77 (CI 0.66-0.85; PI 0.30-0.96; I2 82%) | 0.70 (CI 0.58-0.81; PI 0.22-0.95; I2 81%) | 0.73 |
| ULTSH 3.9|LLFT4 5 | 0.77 (CI 0.61-0.88; PI 0.15-0.99; I2 79%) | 0.72 (CI 0.61-0.81; PI 0.28-0.94; I2 76%) | 0.73 |
| ULTSH 4.0|LLFT4 5 | 0.76 (CI 0.56-0.88; PI 0.09-0.99; I2 82%) | 0.71 (CI 0.58-0.81; PI 0.24-0.95; I2 78%) | 0.71 |
| ULTSH 4.1|LLFT4 5 | 0.79 (CI 0.54-0.92; PI 0.04-1.00; I2 63%) | 0.73 (CI 0.59-0.83; PI 0.20-0.97; I2 82%) | 0.73 |
| ULTSH 4.2|LLFT4 5 | 0.78 (CI 0.53-0.92; PI 0.04-1.00; I2 77%) | 0.75 (CI 0.59-0.86; PI 0.15-0.98; I2 81%) | 0.76 |
| ULTSH 4.3|LLFT4 5 | 0.69 (CI 0.51-0.82; PI 0.10-0.98; I2 86%) | 0.73 (CI 0.58-0.85; PI 0.16-0.97; I2 81%) | 0.71 |
| ULTSH 4.4|LLFT4 5 | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 85%) | 0.71 (CI 0.57-0.82; PI 0.20-0.96; I2 79%) | 0.67 |
| ULTSH 4.5|LLFT4 5 | 0.63 (CI 0.45-0.78; PI 0.09-0.97; I2 84%) | 0.70 (CI 0.56-0.81; PI 0.20-0.96; I2 78%) | 0.66 |
| ULTSH 3.0|LLFT4 6 | 0.81 (CI 0.73-0.87; PI 0.47-0.95; I2 67%) | 0.47 (CI 0.33-0.61; PI 0.08-0.90; I2 91%) | 0.60 |
| ULTSH 3.1|LLFT4 6 | 0.84 (CI 0.74-0.90; PI 0.36-0.98; I2 75%) | 0.54 (CI 0.38-0.69; PI 0.09-0.93; I2 92%) | 0.66 |
| ULTSH 3.2|LLFT4 6 | 0.84 (CI 0.76-0.90; PI 0.43-0.97; I2 71%) | 0.61 (CI 0.44-0.76; PI 0.09-0.96; I2 92%) | 0.71 |
| ULTSH 3.3|LLFT4 6 | 0.88 (CI 0.74-0.95; PI 0.17-1.00; I2 72%) | 0.67 (CI 0.48-0.81; PI 0.09-0.98; I2 92%) | 0.76 |
| ULTSH 3.4|LLFT4 6 | 0.87 (CI 0.73-0.94; PI 0.19-0.99; I2 77%) | 0.68 (CI 0.50-0.82; PI 0.10-0.98; I2 91%) | 0.77 |
| ULTSH 3.5|LLFT4 6 | 0.86 (CI 0.72-0.93; PI 0.21-0.99; I2 78%) | 0.70 (CI 0.52-0.83; PI 0.10-0.98; I2 90%) | 0.78 |
| ULTSH 3.6|LLFT4 6 | 0.83 (CI 0.70-0.91; PI 0.25-0.99; I2 76%) | 0.71 (CI 0.54-0.84; PI 0.13-0.98; I2 88%) | 0.76 |
| ULTSH 3.7|LLFT4 6 | 0.80 (CI 0.69-0.88; PI 0.30-0.98; I2 82%) | 0.71 (CI 0.56-0.83; PI 0.16-0.97; I2 84%) | 0.75 |
| ULTSH 3.8|LLFT4 6 | 0.77 (CI 0.66-0.85; PI 0.30-0.96; I2 82%) | 0.71 (CI 0.58-0.81; PI 0.22-0.95; I2 81%) | 0.73 |
| ULTSH 3.9|LLFT4 6 | 0.77 (CI 0.61-0.88; PI 0.15-0.99; I2 79%) | 0.72 (CI 0.61-0.81; PI 0.29-0.94; I2 75%) | 0.73 |
| ULTSH 4.0|LLFT4 6 | 0.76 (CI 0.56-0.88; PI 0.09-0.99; I2 82%) | 0.71 (CI 0.58-0.81; PI 0.24-0.95; I2 78%) | 0.71 |
| ULTSH 4.1|LLFT4 6 | 0.79 (CI 0.54-0.92; PI 0.04-1.00; I2 63%) | 0.73 (CI 0.59-0.84; PI 0.20-0.97; I2 82%) | 0.73 |
| ULTSH 4.2|LLFT4 6 | 0.78 (CI 0.53-0.92; PI 0.04-1.00; I2 77%) | 0.75 (CI 0.59-0.86; PI 0.15-0.98; I2 81%) | 0.76 |
| ULTSH 4.3|LLFT4 6 | 0.69 (CI 0.51-0.82; PI 0.10-0.98; I2 86%) | 0.73 (CI 0.58-0.85; PI 0.16-0.97; I2 81%) | 0.71 |
| ULTSH 4.4|LLFT4 6 | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 85%) | 0.71 (CI 0.57-0.82; PI 0.20-0.96; I2 79%) | 0.67 |
| ULTSH 4.5|LLFT4 6 | 0.63 (CI 0.45-0.78; PI 0.09-0.97; I2 84%) | 0.70 (CI 0.56-0.81; PI 0.20-0.96; I2 78%) | 0.66 |
| ULTSH 3.0|LLFT4 7 | 0.80 (CI 0.72-0.86; PI 0.48-0.95; I2 64%) | 0.48 (CI 0.34-0.62; PI 0.08-0.90; I2 91%) | 0.61 |
| ULTSH 3.1|LLFT4 7 | 0.83 (CI 0.73-0.90; PI 0.37-0.98; I2 73%) | 0.55 (CI 0.38-0.70; PI 0.08-0.94; I2 92%) | 0.67 |
| ULTSH 3.2|LLFT4 7 | 0.84 (CI 0.75-0.90; PI 0.44-0.97; I2 69%) | 0.63 (CI 0.44-0.79; PI 0.07-0.98; I2 91%) | 0.72 |
| ULTSH 3.3|LLFT4 7 | 0.87 (CI 0.73-0.95; PI 0.18-1.00; I2 70%) | 0.69 (CI 0.48-0.84; PI 0.07-0.99; I2 91%) | 0.77 |
| ULTSH 3.4|LLFT4 7 | 0.86 (CI 0.73-0.94; PI 0.21-0.99; I2 76%) | 0.69 (CI 0.50-0.83; PI 0.09-0.98; I2 91%) | 0.77 |
| ULTSH 3.5|LLFT4 7 | 0.84 (CI 0.72-0.92; PI 0.27-0.99; I2 78%) | 0.71 (CI 0.53-0.85; PI 0.10-0.98; I2 90%) | 0.78 |
| ULTSH 3.6|LLFT4 7 | 0.82 (CI 0.71-0.89; PI 0.34-0.97; I2 81%) | 0.72 (CI 0.55-0.85; PI 0.12-0.98; I2 88%) | 0.75 |
| ULTSH 3.7|LLFT4 7 | 0.79 (CI 0.69-0.87; PI 0.34-0.97; I2 81%) | 0.72 (CI 0.57-0.84; PI 0.16-0.97; I2 84%) | 0.74 |
| ULTSH 3.8|LLFT4 7 | 0.77 (CI 0.66-0.85; PI 0.31-0.96; I2 81%) | 0.71 (CI 0.59-0.82; PI 0.22-0.96; I2 81%) | 0.73 |
| ULTSH 3.9|LLFT4 7 | 0.77 (CI 0.61-0.88; PI 0.15-0.99; I2 79%) | 0.73 (CI 0.62-0.82; PI 0.29-0.94; I2 75%) | 0.73 |
| ULTSH 4.0|LLFT4 7 | 0.75 (CI 0.56-0.88; PI 0.09-0.99; I2 81%) | 0.72 (CI 0.59-0.81; PI 0.24-0.95; I2 78%) | 0.71 |
| ULTSH 4.1|LLFT4 7 | 0.79 (CI 0.54-0.92; PI 0.04-1.00; I2 61%) | 0.74 (CI 0.60-0.84; PI 0.20-0.97; I2 82%) | 0.73 |
| ULTSH 4.2|LLFT4 7 | 0.78 (CI 0.74-0.81; PI 0.05-1.00; I2 77%) | 0.76 (CI 0.59-0.87; PI 0.14-0.98; I2 80%) | 0.76 |
| ULTSH 4.3|LLFT4 7 | 0.69 (CI 0.51-0.82; PI 0.10-0.98; I2 86%) | 0.74 (CI 0.58-0.85; PI 0.16-0.98; I2 81%) | 0.71 |
| ULTSH 4.4|LLFT4 7 | 0.65 (CI 0.47-0.80; PI 0.10-0.97; I2 85%) | 0.71 (CI 0.57-0.82; PI 0.20-0.96; I2 79%) | 0.67 |
| ULTSH 4.5|LLFT4 7 | 0.63 (CI 0.45-0.78; PI 0.09-0.97; I2 84%) | 0.70 (CI 0.56-0.81; PI 0.20-0.96; I2 78%) | 0.66 |
| ULTSH 3.0|LLFT4 8 | 0.77 (CI 0.70-0.82; PI 0.53-0.91; I2 54%) | 0.48 (CI 0.34-0.63; PI 0.08-0.91; I2 91%) | 0.60 |
| ULTSH 3.1|LLFT4 8 | 0.79 (CI 0.71-0.86; PI 0.45-0.95; I2 67%) | 0.55 (CI 0.38-0.70; PI 0.08-0.94; I2 92%) | 0.65 |
| ULTSH 3.2|LLFT4 8 | 0.81 (CI 0.72-0.88; PI 0.40-0.97; I2 66%) | 0.63 (CI 0.44-0.79; PI 0.07-0.98; I2 91%) | 0.70 |
| ULTSH 3.3|LLFT4 8 | 0.86 (CI 0.70-0.94; PI 0.15-1.00; I2 63%) | 0.69 (CI 0.48-0.84; PI 0.07-0.99; I2 91%) | 0.75 |
| ULTSH 3.4|LLFT4 8 | 0.84 (CI 0.70-0.92; PI 0.18-0.99; I2 73%) | 0.69 (CI 0.50-0.83; PI 0.09-0.98; I2 90%) | 0.75 |
| ULTSH 3.5|LLFT4 8 | 0.82 (CI 0.69-0.90; PI 0.27-0.98; I2 77%) | 0.72 (CI 0.53-0.85; PI 0.09-0.98; I2 89%) | 0.76 |
| ULTSH 3.6|LLFT4 8 | 0.79 (CI 0.69-0.86; PI 0.37-0.96; I2 80%) | 0.72 (CI 0.55-0.84; PI 0.13-0.98; I2 87%) | 0.73 |
| ULTSH 3.7|LLFT4 8 | 0.77 (CI 0.67-0.85; PI 0.34-0.95; I2 80%) | 0.72 (CI 0.57-0.83; PI 0.17-0.97; I2 84%) | 0.72 |
| ULTSH 3.8|LLFT4 8 | 0.75 (CI 0.64-0.84; PI 0.30-0.95; I2 80%) | 0.71 (CI 0.59-0.81; PI 0.23-0.95; I2 81%) | 0.72 |
| ULTSH 3.9|LLFT4 8 | 0.76 (CI 0.59-0.87; PI 0.14-0.98; I2 77%) | 0.72 (CI 0.62-0.81; PI 0.31-0.94; I2 75%) | 0.72 |
| ULTSH 4.0|LLFT4 8 | 0.74 (CI 0.54-0.88; PI 0.08-0.99; I2 80%) | 0.71 (CI 0.59-0.81; PI 0.25-0.95; I2 77%) | 0.70 |
| ULTSH 4.1|LLFT4 8 | 0.78 (CI 0.52-0.92; PI 0.03-1.00; I2 60%) | 0.74 (CI 0.60-0.84; PI 0.20-0.97; I2 81%) | 0.73 |
| ULTSH 4.2|LLFT4 8 | 0.77 (CI 0.74-0.80; PI 0.04-1.00; I2 77%) | 0.76 (CI 0.59-0.88; PI 0.12-0.99; I2 78%) | 0.76 |
| ULTSH 4.3|LLFT4 8 | 0.68 (CI 0.49-0.82; PI 0.10-0.98; I2 86%) | 0.74 (CI 0.58-0.85; PI 0.15-0.98; I2 80%) | 0.70 |
| ULTSH 4.4|LLFT4 8 | 0.64 (CI 0.46-0.79; PI 0.09-0.97; I2 85%) | 0.71 (CI 0.57-0.82; PI 0.19-0.96; I2 79%) | 0.67 |
| ULTSH 4.5|LLFT4 8 | 0.63 (CI 0.44-0.78; PI 0.09-0.97; I2 84%) | 0.70 (CI 0.56-0.81; PI 0.19-0.96; I2 78%) | 0.66 |
| ULTSH 3.0|LLFT4 9 | 0.72 (CI 0.60-0.81; PI 0.27-0.95; I2 82%) | 0.49 (CI 0.34-0.64; PI 0.08-0.91; I2 90%) | 0.56 |
| ULTSH 3.1|LLFT4 9 | 0.75 (CI 0.62-0.84; PI 0.26-0.96; I2 83%) | 0.56 (CI 0.39-0.72; PI 0.08-0.95; I2 91%) | 0.62 |
| ULTSH 3.2|LLFT4 9 | 0.78 (CI 0.64-0.87; PI 0.21-0.98; I2 84%) | 0.63 (CI 0.45-0.78; PI 0.08-0.97; I2 91%) | 0.67 |
| ULTSH 3.3|LLFT4 9 | 0.84 (CI 0.63-0.94; PI 0.07-1.00; I2 80%) | 0.70 (CI 0.49-0.85; PI 0.07-0.99; I2 91%) | 0.73 |
| ULTSH 3.4|LLFT4 9 | 0.82 (CI 0.63-0.92; PI 0.09-0.99; I2 84%) | 0.70 (CI 0.51-0.84; PI 0.08-0.98; I2 90%) | 0.73 |
| ULTSH 3.5|LLFT4 9 | 0.79 (CI 0.62-0.89; PI 0.15-0.99; I2 86%) | 0.72 (CI 0.52-0.86; PI 0.09-0.99; I2 88%) | 0.73 |
| ULTSH 3.6|LLFT4 9 | 0.75 (CI 0.62-0.85; PI 0.23-0.97; I2 87%) | 0.72 (CI 0.54-0.85; PI 0.11-0.98; I2 86%) | 0.70 |
| ULTSH 3.7|LLFT4 9 | 0.73 (CI 0.60-0.83; PI 0.23-0.96; I2 87%) | 0.71 (CI 0.57-0.82; PI 0.18-0.96; I2 83%) | 0.69 |
| ULTSH 3.8|LLFT4 9 | 0.71 (CI 0.58-0.82; PI 0.21-0.96; I2 86%) | 0.70 (CI 0.58-0.80; PI 0.25-0.94; I2 80%) | 0.68 |
| ULTSH 3.9|LLFT4 9 | 0.72 (CI 0.55-0.84; PI 0.12-0.98; I2 86%) | 0.71 (CI 0.61-0.80; PI 0.31-0.93; I2 74%) | 0.69 |
| ULTSH 4.0|LLFT4 9 | 0.70 (CI 0.50-0.85; PI 0.08-0.99; I2 87%) | 0.70 (CI 0.58-0.80; PI 0.25-0.94; I2 77%) | 0.67 |
| ULTSH 4.1|LLFT4 9 | 0.73 (CI 0.49-0.88; PI 0.05-0.99; I2 84%) | 0.72 (CI 0.58-0.83; PI 0.20-0.97; I2 81%) | 0.70 |
| ULTSH 4.2|LLFT4 9 | 0.73 (CI 0.48-0.89; PI 0.04-0.99; I2 85%) | 0.75 (CI 0.57-0.87; PI 0.12-0.99; I2 78%) | 0.73 |
| ULTSH 4.3|LLFT4 9 | 0.65 (CI 0.46-0.80; PI 0.08-0.98; I2 89%) | 0.73 (CI 0.56-0.85; PI 0.14-0.98; I2 81%) | 0.68 |
| ULTSH 4.4|LLFT4 9 | 0.62 (CI 0.43-0.78; PI 0.07-0.97; I2 87%) | 0.70 (CI 0.55-0.81; PI 0.18-0.96; I2 79%) | 0.65 |
| ULTSH 4.5|LLFT4 9 | 0.61 (CI 0.42-0.77; PI 0.07-0.97; I2 86%) | 0.69 (CI 0.54-0.81; PI 0.18-0.96; I2 78%) | 0.64 |
| ULTSH 3.0|LLFT4 10 | 0.69 (CI 0.53-0.81; PI 0.15-0.96; I2 88%) | 0.51 (CI 0.35-0.67; PI 0.07-0.93; I2 90%) | 0.55 |
| ULTSH 3.1|LLFT4 10 | 0.72 (CI 0.56-0.83; PI 0.15-0.97; I2 88%) | 0.57 (CI 0.40-0.72; PI 0.08-0.95; I2 90%) | 0.60 |
| ULTSH 3.2|LLFT4 10 | 0.75 (CI 0.58-0.87; PI 0.13-0.98; I2 88%) | 0.63 (CI 0.45-0.78; PI 0.09-0.97; I2 90%) | 0.65 |
| ULTSH 3.3|LLFT4 10 | 0.82 (CI 0.57-0.94; PI 0.04-1.00; I2 84%) | 0.70 (CI 0.50-0.84; PI 0.08-0.98; I2 90%) | 0.71 |
| ULTSH 3.4|LLFT4 10 | 0.80 (CI 0.58-0.92; PI 0.06-1.00; I2 86%) | 0.71 (CI 0.51-0.85; PI 0.08-0.98; I2 89%) | 0.72 |
| ULTSH 3.5|LLFT4 10 | 0.76 (CI 0.58-0.88; PI 0.11-0.99; I2 87%) | 0.72 (CI 0.53-0.85; PI 0.09-0.98; I2 88%) | 0.72 |
| ULTSH 3.6|LLFT4 10 | 0.72 (CI 0.58-0.83; PI 0.19-0.97; I2 88%) | 0.72 (CI 0.55-0.84; PI 0.13-0.98; I2 85%) | 0.69 |
| ULTSH 3.7|LLFT4 10 | 0.70 (CI 0.57-0.81; PI 0.21-0.95; I2 87%) | 0.71 (CI 0.57-0.82; PI 0.20-0.96; I2 82%) | 0.68 |
| ULTSH 3.8|LLFT4 10 | 0.68 (CI 0.55-0.79; PI 0.21-0.94; I2 86%) | 0.70 (CI 0.59-0.80; PI 0.26-0.94; I2 79%) | 0.67 |
| ULTSH 3.9|LLFT4 10 | 0.67 (CI 0.53-0.79; PI 0.17-0.95; I2 87%) | 0.72 (CI 0.61-0.80; PI 0.32-0.93; I2 74%) | 0.68 |
| ULTSH 4.0|LLFT4 10 | 0.65 (CI 0.49-0.79; PI 0.11-0.97; I2 88%) | 0.70 (CI 0.58-0.80; PI 0.26-0.94; I2 77%) | 0.66 |
| ULTSH 4.1|LLFT4 10 | 0.67 (CI 0.48-0.82; PI 0.08-0.98; I2 87%) | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 81%) | 0.68 |
| ULTSH 4.2|LLFT4 10 | 0.67 (CI 0.46-0.83; PI 0.06-0.98; I2 87%) | 0.75 (CI 0.57-0.87; PI 0.11-0.99; I2 77%) | 0.70 |
| ULTSH 4.3|LLFT4 10 | 0.61 (CI 0.44-0.76; PI 0.10-0.96; I2 88%) | 0.72 (CI 0.56-0.84; PI 0.15-0.97; I2 80%) | 0.65 |
| ULTSH 4.4|LLFT4 10 | 0.59 (CI 0.42-0.75; PI 0.08-0.96; I2 86%) | 0.69 (CI 0.55-0.81; PI 0.19-0.96; I2 77%) | 0.63 |
| ULTSH 4.5|LLFT4 10 | 0.58 (CI 0.40-0.74; PI 0.08-0.96; I2 85%) | 0.68 (CI 0.54-0.80; PI 0.19-0.95; I2 77%) | 0.62 |
| ULTSH 3.0|LLFT4 11 | 0.65 (CI 0.48-0.78; PI 0.11-0.96; I2 89%) | 0.53 (CI 0.37-0.69; PI 0.08-0.94; I2 90%) | 0.54 |
| ULTSH 3.1|LLFT4 11 | 0.68 (CI 0.51-0.81; PI 0.12-0.97; I2 90%) | 0.59 (CI 0.41-0.75; PI 0.08-0.96; I2 90%) | 0.59 |
| ULTSH 3.2|LLFT4 11 | 0.72 (CI 0.53-0.85; PI 0.10-0.98; I2 89%) | 0.66 (CI 0.47-0.81; PI 0.09-0.98; I2 90%) | 0.65 |
| ULTSH 3.3|LLFT4 11 | 0.77 (CI 0.53-0.91; PI 0.05-1.00; I2 86%) | 0.72 (CI 0.51-0.86; PI 0.07-0.99; I2 89%) | 0.71 |
| ULTSH 3.4|LLFT4 11 | 0.75 (CI 0.53-0.89; PI 0.06-0.99; I2 87%) | 0.72 (CI 0.52-0.86; PI 0.08-0.99; I2 88%) | 0.71 |
| ULTSH 3.5|LLFT4 11 | 0.72 (CI 0.53-0.85; PI 0.10-0.98; I2 88%) | 0.73 (CI 0.54-0.87; PI 0.09-0.99; I2 87%) | 0.70 |
| ULTSH 3.6|LLFT4 11 | 0.68 (CI 0.53-0.81; PI 0.15-0.96; I2 88%) | 0.73 (CI 0.56-0.85; PI 0.13-0.98; I2 85%) | 0.67 |
| ULTSH 3.7|LLFT4 11 | 0.66 (CI 0.53-0.78; PI 0.18-0.94; I2 87%) | 0.72 (CI 0.58-0.82; PI 0.20-0.96; I2 81%) | 0.66 |
| ULTSH 3.8|LLFT4 11 | 0.64 (CI 0.51-0.75; PI 0.19-0.93; I2 85%) | 0.70 (CI 0.59-0.80; PI 0.26-0.94; I2 78%) | 0.65 |
| ULTSH 3.9|LLFT4 11 | 0.63 (CI 0.50-0.75; PI 0.18-0.93; I2 85%) | 0.71 (CI 0.61-0.80; PI 0.32-0.93; I2 73%) | 0.65 |
| ULTSH 4.0|LLFT4 11 | 0.61 (CI 0.45-0.74; PI 0.12-0.95; I2 87%) | 0.70 (CI 0.58-0.80; PI 0.26-0.94; I2 76%) | 0.63 |
| ULTSH 4.1|LLFT4 11 | 0.62 (CI 0.44-0.77; PI 0.09-0.97; I2 84%) | 0.73 (CI 0.58-0.84; PI 0.18-0.97; I2 80%) | 0.65 |
| ULTSH 4.2|LLFT4 11 | 0.62 (CI 0.43-0.78; PI 0.07-0.97; I2 84%) | 0.75 (CI 0.57-0.88; PI 0.11-0.99; I2 76%) | 0.67 |
| ULTSH 4.3|LLFT4 11 | 0.58 (CI 0.42-0.72; PI 0.11-0.94; I2 85%) | 0.72 (CI 0.56-0.84; PI 0.15-0.98; I2 77%) | 0.63 |
| ULTSH 4.4|LLFT4 11 | 0.55 (CI 0.40-0.70; PI 0.10-0.93; I2 84%) | 0.69 (CI 0.55-0.81; PI 0.18-0.96; I2 74%) | 0.61 |
| ULTSH 4.5|LLFT4 11 | 0.54 (CI 0.39-0.69; PI 0.10-0.93; I2 84%) | 0.68 (CI 0.54-0.80; PI 0.18-0.95; I2 74%) | 0.60 |
| ULTSH 3.0|LLFT4 12 | 0.58 (CI 0.42-0.72; PI 0.10-0.94; I2 89%) | 0.58 (CI 0.40-0.74; PI 0.08-0.96; I2 88%) | 0.53 |
| ULTSH 3.1|LLFT4 12 | 0.60 (CI 0.45-0.74; PI 0.11-0.95; I2 89%) | 0.63 (CI 0.44-0.78; PI 0.09-0.97; I2 89%) | 0.57 |
| ULTSH 3.2|LLFT4 12 | 0.64 (CI 0.47-0.78; PI 0.10-0.96; I2 88%) | 0.70 (CI 0.51-0.84; PI 0.10-0.98; I2 89%) | 0.63 |
| ULTSH 3.3|LLFT4 12 | 0.67 (CI 0.47-0.82; PI 0.07-0.98; I2 89%) | 0.75 (CI 0.55-0.88; PI 0.09-0.99; I2 88%) | 0.67 |
| ULTSH 3.4|LLFT4 12 | 0.66 (CI 0.47-0.80; PI 0.09-0.97; I2 89%) | 0.76 (CI 0.57-0.89; PI 0.09-0.99; I2 87%) | 0.68 |
| ULTSH 3.5|LLFT4 12 | 0.64 (CI 0.48-0.78; PI 0.12-0.96; I2 87%) | 0.77 (CI 0.58-0.89; PI 0.10-0.99; I2 86%) | 0.67 |
| ULTSH 3.6|LLFT4 12 | 0.62 (CI 0.48-0.74; PI 0.16-0.93; I2 86%) | 0.75 (CI 0.59-0.86; PI 0.17-0.98; I2 83%) | 0.64 |
| ULTSH 3.7|LLFT4 12 | 0.60 (CI 0.48-0.72; PI 0.18-0.91; I2 84%) | 0.73 (CI 0.60-0.83; PI 0.22-0.96; I2 80%) | 0.64 |
| ULTSH 3.8|LLFT4 12 | 0.58 (CI 0.47-0.68; PI 0.21-0.88; I2 81%) | 0.71 (CI 0.60-0.81; PI 0.29-0.94; I2 76%) | 0.62 |
| ULTSH 3.9|LLFT4 12 | 0.57 (CI 0.46-0.68; PI 0.20-0.88; I2 81%) | 0.72 (CI 0.62-0.80; PI 0.35-0.92; I2 69%) | 0.63 |
| ULTSH 4.0|LLFT4 12 | 0.55 (CI 0.42-0.67; PI 0.15-0.90; I2 83%) | 0.71 (CI 0.59-0.80; PI 0.27-0.94; I2 73%) | 0.60 |
| ULTSH 4.1|LLFT4 12 | 0.56 (CI 0.42-0.68; PI 0.14-0.91; I2 84%) | 0.73 (CI 0.59-0.84; PI 0.20-0.97; I2 76%) | 0.62 |
| ULTSH 4.2|LLFT4 12 | 0.55 (CI 0.41-0.69; PI 0.12-0.92; I2 85%) | 0.75 (CI 0.57-0.87; PI 0.12-0.99; I2 74%) | 0.62 |
| ULTSH 4.3|LLFT4 12 | 0.53 (CI 0.40-0.65; PI 0.13-0.89; I2 82%) | 0.72 (CI 0.56-0.84; PI 0.16-0.97; I2 75%) | 0.60 |
| ULTSH 4.4|LLFT4 12 | 0.52 (CI 0.38-0.65; PI 0.12-0.89; I2 82%) | 0.69 (CI 0.55-0.81; PI 0.19-0.96; I2 73%) | 0.58 |
| ULTSH 4.5|LLFT4 12 | 0.51 (CI 0.38-0.64; PI 0.12-0.89; I2 81%) | 0.69 (CI 0.54-0.80; PI 0.18-0.96; I2 72%) | 0.58 |
| ULTSH 3.0|LLFT4 13 | 0.44 (CI 0.31-0.59; PI 0.07-0.89; I2 86%) | 0.56 (CI 0.37-0.73; PI 0.07-0.96; I2 86%) | 0.46 |
| ULTSH 3.1|LLFT4 13 | 0.47 (CI 0.33-0.62; PI 0.08-0.90; I2 86%) | 0.62 (CI 0.42-0.78; PI 0.08-0.97; I2 87%) | 0.49 |
| ULTSH 3.2|LLFT4 13 | 0.50 (CI 0.35-0.66; PI 0.08-0.92; I2 84%) | 0.69 (CI 0.50-0.83; PI 0.10-0.98; I2 87%) | 0.54 |
| ULTSH 3.3|LLFT4 13 | 0.52 (CI 0.35-0.67; PI 0.07-0.93; I2 86%) | 0.75 (CI 0.55-0.88; PI 0.10-0.99; I2 86%) | 0.58 |
| ULTSH 3.4|LLFT4 13 | 0.51 (CI 0.37-0.66; PI 0.10-0.91; I2 86%) | 0.74 (CI 0.55-0.87; PI 0.10-0.99; I2 84%) | 0.57 |
| ULTSH 3.5|LLFT4 13 | 0.51 (CI 0.37-0.64; PI 0.11-0.89; I2 82%) | 0.75 (CI 0.57-0.87; PI 0.12-0.98; I2 83%) | 0.57 |
| ULTSH 3.6|LLFT4 13 | 0.50 (CI 0.38-0.62; PI 0.14-0.86; I2 82%) | 0.73 (CI 0.58-0.84; PI 0.19-0.97; I2 80%) | 0.57 |
| ULTSH 3.7|LLFT4 13 | 0.51 (CI 0.39-0.62; PI 0.15-0.85; I2 81%) | 0.72 (CI 0.58-0.82; PI 0.23-0.96; I2 77%) | 0.57 |
| ULTSH 3.8|LLFT4 13 | 0.49 (CI 0.39-0.59; PI 0.17-0.81; I2 77%) | 0.70 (CI 0.58-0.79; PI 0.29-0.93; I2 72%) | 0.56 |
| ULTSH 3.9|LLFT4 13 | 0.49 (CI 0.39-0.59; PI 0.17-0.81; I2 76%) | 0.70 (CI 0.59-0.79; PI 0.32-0.92; I2 67%) | 0.56 |
| ULTSH 4.0|LLFT4 13 | 0.48 (CI 0.36-0.59; PI 0.14-0.84; I2 78%) | 0.69 (CI 0.56-0.79; PI 0.25-0.94; I2 70%) | 0.55 |
| ULTSH 4.1|LLFT4 13 | 0.48 (CI 0.36-0.60; PI 0.13-0.85; I2 79%) | 0.71 (CI 0.56-0.83; PI 0.18-0.96; I2 72%) | 0.56 |
| ULTSH 4.2|LLFT4 13 | 0.48 (CI 0.37-0.60; PI 0.14-0.85; I2 79%) | 0.73 (CI 0.56-0.86; PI 0.14-0.98; I2 70%) | 0.57 |
| ULTSH 4.3|LLFT4 13 | 0.47 (CI 0.36-0.58; PI 0.15-0.82; I2 76%) | 0.70 (CI 0.55-0.82; PI 0.18-0.96; I2 71%) | 0.55 |
| ULTSH 4.4|LLFT4 13 | 0.46 (CI 0.36-0.57; PI 0.15-0.81; I2 74%) | 0.68 (CI 0.54-0.79; PI 0.21-0.94; I2 68%) | 0.54 |
| ULTSH 4.5|LLFT4 13 | 0.46 (CI 0.35-0.57; PI 0.14-0.82; I2 73%) | 0.67 (CI 0.53-0.78; PI 0.20-0.94; I2 68%) | 0.54 |
| ULTSH 3.0|LLFT4 14 | 0.37 (CI 0.27-0.50; PI 0.08-0.80; I2 82%) | 0.58 (CI 0.40-0.75; PI 0.08-0.96; I2 82%) | 0.42 |
| ULTSH 3.1|LLFT4 14 | 0.40 (CI 0.29-0.52; PI 0.10-0.81; I2 82%) | 0.64 (CI 0.45-0.79; PI 0.09-0.97; I2 83%) | 0.46 |
| ULTSH 3.2|LLFT4 14 | 0.43 (CI 0.31-0.55; PI 0.11-0.83; I2 82%) | 0.71 (CI 0.52-0.84; PI 0.11-0.98; I2 84%) | 0.50 |
| ULTSH 3.3|LLFT4 14 | 0.44 (CI 0.32-0.57; PI 0.11-0.84; I2 84%) | 0.76 (CI 0.57-0.88; PI 0.12-0.99; I2 83%) | 0.53 |
| ULTSH 3.4|LLFT4 14 | 0.45 (CI 0.33-0.56; PI 0.12-0.82; I2 83%) | 0.75 (CI 0.57-0.87; PI 0.12-0.99; I2 81%) | 0.53 |
| ULTSH 3.5|LLFT4 14 | 0.45 (CI 0.34-0.55; PI 0.15-0.79; I2 78%) | 0.75 (CI 0.58-0.87; PI 0.14-0.98; I2 82%) | 0.53 |
| ULTSH 3.6|LLFT4 14 | 0.45 (CI 0.35-0.56; PI 0.16-0.79; I2 77%) | 0.74 (CI 0.59-0.84; PI 0.21-0.97; I2 78%) | 0.54 |
| ULTSH 3.7|LLFT4 14 | 0.46 (CI 0.36-0.56; PI 0.16-0.78; I2 76%) | 0.72 (CI 0.59-0.83; PI 0.24-0.96; I2 75%) | 0.54 |
| ULTSH 3.8|LLFT4 14 | 0.44 (CI 0.36-0.54; PI 0.18-0.75; I2 72%) | 0.70 (CI 0.58-0.80; PI 0.28-0.94; I2 70%) | 0.53 |
| ULTSH 3.9|LLFT4 14 | 0.45 (CI 0.35-0.54; PI 0.17-0.75; I2 72%) | 0.70 (CI 0.58-0.80; PI 0.28-0.93; I2 68%) | 0.53 |
| ULTSH 4.0|LLFT4 14 | 0.44 (CI 0.34-0.54; PI 0.15-0.77; I2 74%) | 0.68 (CI 0.55-0.79; PI 0.23-0.94; I2 69%) | 0.52 |
| ULTSH 4.1|LLFT4 14 | 0.44 (CI 0.34-0.55; PI 0.14-0.79; I2 76%) | 0.70 (CI 0.54-0.82; PI 0.16-0.96; I2 71%) | 0.53 |
| ULTSH 4.2|LLFT4 14 | 0.45 (CI 0.35-0.55; PI 0.15-0.79; I2 75%) | 0.72 (CI 0.55-0.84; PI 0.13-0.98; I2 69%) | 0.54 |
| ULTSH 4.3|LLFT4 14 | 0.43 (CI 0.34-0.53; PI 0.16-0.75; I2 71%) | 0.69 (CI 0.54-0.81; PI 0.18-0.96; I2 70%) | 0.53 |
| ULTSH 4.4|LLFT4 14 | 0.43 (CI 0.34-0.53; PI 0.17-0.74; I2 69%) | 0.67 (CI 0.53-0.78; PI 0.22-0.93; I2 66%) | 0.52 |
| ULTSH 4.5|LLFT4 14 | 0.43 (CI 0.34-0.52; PI 0.16-0.75; I2 69%) | 0.66 (CI 0.52-0.77; PI 0.21-0.93; I2 66%) | 0.51 |
| ULTSH 3.0|LLFT4 15 | 0.31 (CI 0.22-0.42; PI 0.08-0.71; I2 79%) | 0.62 (CI 0.44-0.77; PI 0.11-0.96; I2 77%) | 0.39 |
| ULTSH 3.1|LLFT4 15 | 0.34 (CI 0.25-0.45; PI 0.09-0.72; I2 78%) | 0.67 (CI 0.49-0.81; PI 0.11-0.97; I2 78%) | 0.42 |
| ULTSH 3.2|LLFT4 15 | 0.36 (CI 0.27-0.47; PI 0.10-0.75; I2 79%) | 0.73 (CI 0.54-0.86; PI 0.12-0.98; I2 80%) | 0.46 |
| ULTSH 3.3|LLFT4 15 | 0.39 (CI 0.29-0.50; PI 0.11-0.77; I2 80%) | 0.79 (CI 0.61-0.90; PI 0.14-0.99; I2 79%) | 0.49 |
| ULTSH 3.4|LLFT4 15 | 0.39 (CI 0.30-0.50; PI 0.12-0.75; I2 78%) | 0.77 (CI 0.59-0.88; PI 0.15-0.98; I2 79%) | 0.50 |
| ULTSH 3.5|LLFT4 15 | 0.40 (CI 0.31-0.49; PI 0.14-0.72; I2 73%) | 0.76 (CI 0.59-0.87; PI 0.15-0.98; I2 79%) | 0.50 |
| ULTSH 3.6|LLFT4 15 | 0.41 (CI 0.32-0.50; PI 0.15-0.72; I2 72%) | 0.74 (CI 0.60-0.85; PI 0.22-0.97; I2 75%) | 0.51 |
| ULTSH 3.7|LLFT4 15 | 0.41 (CI 0.32-0.51; PI 0.15-0.73; I2 72%) | 0.73 (CI 0.59-0.83; PI 0.23-0.96; I2 73%) | 0.51 |
| ULTSH 3.8|LLFT4 15 | 0.41 (CI 0.32-0.49; PI 0.17-0.70; I2 68%) | 0.71 (CI 0.58-0.81; PI 0.26-0.94; I2 68%) | 0.50 |
| ULTSH 3.9|LLFT4 15 | 0.41 (CI 0.33-0.50; PI 0.17-0.71; I2 68%) | 0.70 (CI 0.57-0.81; PI 0.24-0.95; I2 68%) | 0.51 |
| ULTSH 4.0|LLFT4 15 | 0.40 (CI 0.32-0.50; PI 0.15-0.72; I2 69%) | 0.69 (CI 0.55-0.81; PI 0.20-0.95; I2 68%) | 0.50 |
| ULTSH 4.1|LLFT4 15 | 0.41 (CI 0.32-0.50; PI 0.15-0.73; I2 70%) | 0.70 (CI 0.54-0.83; PI 0.15-0.97; I2 67%) | 0.50 |
| ULTSH 4.2|LLFT4 15 | 0.41 (CI 0.32-0.51; PI 0.15-0.73; I2 70%) | 0.71 (CI 0.54-0.83; PI 0.14-0.97; I2 67%) | 0.51 |
| ULTSH 4.3|LLFT4 15 | 0.40 (CI 0.32-0.49; PI 0.17-0.69; I2 65%) | 0.68 (CI 0.53-0.80; PI 0.18-0.95; I2 68%) | 0.50 |
| ULTSH 4.4|LLFT4 15 | 0.40 (CI 0.32-0.49; PI 0.17-0.70; I2 65%) | 0.65 (CI 0.52-0.76; PI 0.22-0.92; I2 64%) | 0.49 |
| ULTSH 4.5|LLFT4 15 | 0.40 (CI 0.32-0.49; PI 0.16-0.71; I2 65%) | 0.65 (CI 0.52-0.76; PI 0.22-0.92; I2 64%) | 0.49 |

ULTSH =upper limit of TSH (in mU/L); LLFT4 =lower limit of FT4 (in pmol/L); CI=confidence interval; PI=prediction interval;I2=I2 statistic; NP=unaltered non pregnancy reference limit.