

Supplemental table 7: Subgroup analysis in regard to study quality

Table presents results within subgroups if a quality criterion was significantly associated with the accuracy of an index test (see table 6).

| Criterion | Studies (n) | LR (95% CI) if RF is | |
|---|-------------|----------------------|-------------------|
| | | present | absent |
| Male sex | | | |
| All studies | 102 | 1.21 (1.16-1.27) | 0.70 (0.65-0.75) |
| Representative spectrum yes | 74 | 1.17 (1.16-1.23) | 0.76 (0.69-0.81) |
| Representative spectrum no or unclear | 28 | 1.32 (1.21-1.44) | 0.58 (0.51-0.66) |
| Reference results blinded yes | 7 | 1.66 (1.33-2.09) | 0.41 (0.32-0.52) |
| Reference results blinded no or unclear | 95 | 1.19 (1.14-1.24) | 0.72 (0.67-0.77) |
| History of dyslipidaemia | | | |
| All studies | 46 | 1.52 (1.34-1.73) | 0.73 (0.67-0.80) |
| Representative spectrum yes | 32 | 1.40 (1.22-1.61) | 0.78 (0.72-0.86) |
| Representative spectrum no or unclear | 14 | 1.82 (1.44-2.31) | 0.61 (0.72-0.86) |
| History of MI | | | |
| All studies | 52 | 1.37 (1.14-1.64) | 0.87 (0.80-0.95) |
| Representative spectrum yes | 42 | 1.98 (1.34-2.92) | 0.67 (0.53-0.84) |
| Representative spectrum no or unclear | 10 | 1.25 (1.02-1.52) | 0.91 (0.84-0.98) |
| Family history of MI | | | |
| All studies | 34 | 1.19 (1.06-1.33) | 0.90 (0.85-0.96) |
| Differential verification avoided yes | 25 | 1.09 (0.98-1.21) | 0.94 (0.88-1.01) |
| Differential verification avoided no or unclear | 9 | 1.58 (1.25-2.00) | 0.83 (0.75 (0.92) |
| Obesity | | | |
| All studies | 12 | 1.06 (0.88-1.26) | 0.97 (0.89-1.07) |
| Withdrawals explained? yes | 4 | 0.73 (0.49-1.19) | 1.06 (0.96-1.18) |
| Withdrawals explained no or unclear | 8 | 1.10 (0.92-1.31) | 0.93 (0.82-1.05) |
| Differential verification avoided yes | 7 | 1.09 (0.90-1.31) | 0.93 (0.81-1.08) |
| Differential verification avoided no or unclear | 5 | 0.94 (0.63-1.37) | 1.02 (0.92-1.12) |
| Left-sided chest pain | | | |
| All studies | | 0.85 (0.60-1.20) | 1.06 (0.96-1.18) |
| Partial verification avoided yes | 9 | 0.70 (0.50-0.99) | 1.10 (1.02-1.18) |
| Partial verification avoided no or unclear | 3 | 1.31 (0.99-1.73) | 0.74 (0.49-1.12) |
| Radiation to left arm | | | |
| All studies | 12 | 1.30 (1.12-1.52) | 0.86 (0.78-0.95) |
| Representative spectrum yes | 9 | 1.42 (1.27-1.60) | 0.82 (0.75-0.90) |
| Representative spectrum no or unclear | 3 | 0.94 (0.78-1.14) | 1.04 (0.92-1.17) |
| Visceral pain | | | |
| All studies | 17 | 1.34 (1.07-1.67) | 0.78 (0.60-1.02) |
| Differential verification avoided yes | 9 | 0.96 (0.68-1.33) | 1.03 (0.85-1.24) |
| Differential verification avoided no or unclear | 8 | 1.70 (1.43-2.02) | 0.50 (0.33-0.77) |

LR: likelihood ratio