Diagnostic performance data of the clinical decision rules for coronary artery disease\*

| First author, year | Type | AUC | Sensitivity, % | Specificity, % | PPV, % | NPV, % |
| --- | --- | --- | --- | --- | --- | --- |
| **Performance of decision** | | | | | | |
| Gencer rule | | | | | | |
| Gencer *et al*,[7](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R7) 2010 | Derivation† | 0.95 (0.92–0.97) | 97.6 | 71.3 | 33.5 | 99.5 |
| External validation | 0.75 (0.72–0.80) | 86.8 | 41.5 | 20.4 | 94.8 |
| Marburg Heart Score | | | | | | |
| Bösner *et al*,[15](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R15) 2010 | Derivation† | 0.87 (0.83–0.91) | 86.4 (78.5–91.7) | 75.2 (71.8–78.3) | 34.9 (29.3–40.9) | 97.3 (95.5–98.4) |
| External validation | 0.90 (0.87–0.93) | 87.1 (79.9–94.2) | 80.8 (77.6–83.9) | 39.6 (32.6–46.6) | 97.7 (96.4–99.1) |
| Haasenritter *et al*,[16](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R16) 2012 | External validation | 0.84 (0.80–0.88) | 89.1 (81.1–94.0) | 63.5 (60.0–66.9) | 23.3 (19.2–28.0) | 97.9 (96.2–98.9) |
| Haasenritter *et al*,[17](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R17) 2015 | External validation | N/A | 91.4 (82.5–96.0) | 60.6 (56.3–64.8) | 24.2 (19.5–29.8) | 98.1 (95.9–99.1) |
| INTERCHEST‡ | | | | | | |
| Aerts *et al*,[14](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R14) 2017 | Derivation§ | 0.84 | N/A | N/A | N/A | N/A |
| Validation in study 1 | N/A | 88.2 (79.5–93.6) | 82.2 (78.7–85.2) | 43.0 (35.8–50.4) | 97.9 (96.1–98.9) |
| Validation in study 2 | N/A | 82.0 (75.1–87.3) | 73.8 (70.9–76.4) | 34.7 (30.2–39.5) | 96.0 (94.3–97.2) |
| **Performance of decision rule versus clinical judgement** | | | | | | |
| Marburg Heart Score¶ | | | | | | |
| Haasenritter *et al*,[17](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6398621/#R17) 2015 | GP’s unaided clinical judgement | N/A | 82.9 (72.4–89.9) | 61.0 (56.7–65.2) | 22.7 (18.0–28.2) | 96.3 (93.6–97.9) |
|  | Marburg Heart Score (external validation) | N/A | 91.4 (82.5–96.0) | 60.6 (56.3–64.8) | 24.2 (19.5–29.8) | 98.1 (95.9–99.1) |
|  | Marburg Heart Score as triage test\*\* | N/A | 81.4 (70.8–88.8) | 72.6 (68.6–76.3) | 29.1 (23.2–35.8) | 96.6 (94.3–98.0) |
|  | GP’s aided clinical judgement | N/A | 90.9 (72.2–97.5) | 66.8 (60.5–72.6) | 20.6 (13.8–29.7) | 98.7 (95.5–99.6) |