**Appendix Table E77. Quality assessment of studies assessing the predictive ability of Multiplate Analyzer in patients with ischemic heart disease**

| **Author, year [ref]**  **UID**  **Country**  **Study Name** | **Patients selection** |  |  |  |  | **Index test** |  |  |  | **Reference standard** |  |  |  | **Flow and timing** |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **ROB**  **(selection)** | **Applicability**  **(selection)** | **4** | **5** | **ROB**  **(index)** | **Applicability**  **(index)** | **6** | **7** | **ROB**  **(reference)** | **Applicability**  **(reference)** | **8** | **9** | **10** | **11** | **ROB**  **(flow & timing)** |
| Siller-Matula,  2009  19135705  Austria  NR | NR | yes | yes | low | low | NR | yes | unclear | high | No | NR | high | high | no | yes | yes | yes | low |
| Ko, 2011  21315223  Korea  NR | YES | YES | YES | LOW | LOW | YES | NO | HIGH | LOW | YES | NR | UNCLEAR | LOW | NO [30 days] | YES | YES | YES | LOW |
| Sibbing, 2010  19943882  Sibbing, 2010  20633826  Germany  NR | YES | YES | YES | LOW | LOW | YES | NO;(Sibbing 19943882 was used as reference for Sibbing 20638826)) | UNCLEAR | HIGH | YES | YES; (NR in Sibbing 20638826) | LOW; (Unclear in Sibbing 20638826) | LOW | NO | YES | YES | YES | LOW |
| Sibbing, 2009  19264241  Sibbing, 2010  20062919  Germany  NR | YES | YES | YES | LOW | LOW | YES | NO | UNCLEAR | HIGH | YES | YES | LOW | LOW | NO | YES | YES | YES | LOW |
| Schulz, 2010  20691843  Germany  NR | YES | YES | YES | LOW | LOW | NR | YES | UNCLEAR | HIGH | YES | YES | LOW | LOW | YES [1 year] | YES | YES | YES | LOW |
| Freynhofer, 2011  21614416  Austria  NR | yes | yes | yes | low | low | NR | yes | unclear | low | yes | yes | low | low | no | yes | yes | yes | low |
| Siller-Matula, 2010  19943879  Austria  NR | yes | yes | yes | low | low | NR | yes | unclear | Low | yes | NR | unclear | low | no (6 months) | yes | yes | yes | low |
| Eshtehardi, 2010  20435201  Switzerland  NR | YES | YES | YES | low | low | YES (“The operators | YES | low | low | YES | YES (“All events were independently adjudicated by a | low | low | NO (30 days) | YES | YES | YES | LOW |
| Ivandic, 2009  19359538  Germany  NR | YES | YES | YES | LOW | LOW | NR | NO | HIGH | UNCLEAR | YES | NR | UNCLEAR | LOW | NO (30 days) | YES | YES | YES | LOW |
| Siller-matula, 2012  22260716  PEGASUS-PCI | yes | yes | yes | low | low | yes | yes | low | low | yes | NR | unclear | Low | yes | yes | yes | yes | low |
| Codner, 2012  22534051  Israel  NR | NR | Yes | yes | Low | Low | NR | Yes | unclear | Low | No | Yes | High | High | No [6 months] | Yes | yes | Yes | Low |
| Gerotziafas, 2012  22311629  Greece  NR | NR | Yes | Yes | Low | Low | Yes | Yes | Low | Low | Yes | Yes | Low | Low | No [3 months] | yes | Yes | Yes | Low |
| Sibbing, 2012  22682553  Germany  ISAR-REACT 4 | Yes | Yes | Yes | Low | Low | Yes | Yes | Low | Low | Yes | Yes | Low | Low | No [1 month] | yes | Yes | Yes | Low |
| Johnston, 2012  22465351  New Zealand  NR | NR | Yes | Yes | Low | Low | Yes | Yes | Low | Low | Yes | Yes | low | Low | No [3 days] | yes | Yes | Yes | Low |
| Siller-Matula, 2012  22305813  Austria  NR | NR | Yes | Yes | Low | Low | Yes | Yes | Low | Low | Yes | Yes | Low | Low | Yes [12 months] | Yes | Yes | Yes | Low |

1. Consecutive or random sample of patients enrolled.
2. Case-control design avoided
3. Study avoided inappropriate exclusions

Risk of bias: could the selection of patients have introduced bias ( If ≥2 of the above 3 questions are YES, give LOW here; if ≥2 are NO give HIGH; otherwise, give UNCLEAR)

Concerns that the included patients do not match the review question?

1. Index test results interpreted without knowledge of results of reference standard?
2. If a threshold used, was it prespecified?

Risk of bias: Could the conduct or interpretation of the index test have introduced bias?

(If both of the above questions are YES, give LOW here; if one or both are NO, give HIGH; otherwise, give UNCLEAR)

Concerns that the index test, its conduct, or its interpretation differ from the review question?

1. Reference standard likely to correctly classify the target condition?
2. Reference standard results interpreted without knowledge of index test results?

Could the reference standard, its conduct, or its interpretation have introduced bias?

(If both of the above questions are YES, give LOW here; if one or both are NO, give HIGH; otherwise, give UNCLEAR)

Are there concerns that the target condition as defined by the reference standard does not match the review question?

1. Appropriate interval between index test and reference standard?
2. All patients received a reference standard?
3. All patients received the same reference standard?
4. Were all patients included in the analysis?

Could the patient flow have introduced bias? (If ≥3 of the above 4 questions are YES, give LOW here; if ≥2 are NO give HIGH; otherwise, give UNCLEAR)