Appendix Table E64. Study design characteristics of studies assessing the predictive ability of Multiplate Analyzer in patients with ischemic heart disease

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| **Author****Year** **PMID****Country****Study Name** | **Study design**  | **Multicenter (yes/no)** | **Recruitment method** | **Sampling population** | **Enroment period**  | **Mean or median (state which follow up duration)** | **Setting**  | **A Priori power analysis performed? (if yes, was accrual 80% of target or higher)** | **Funding** |
| Siller-Matula,2009{Siller-Matula, 2009 234 /id}19135705AustriaNR | Prospective observational study | NO | NR | Patients undergoing PCI for coronary artery disease  | Aug 2007-Apr 2008 | 1 day | followup after intervention | YESAccrual=100% | Non-industry [grant from the Jubiläumsfond of the Austrian National Bank (Nr. 12565)] |
| Ko, 2011{Ko, 2011 26 /id}21315223KoreaNR | observational study | YES | Consecutive patients | Patients undergoing percutaneous coronary intervention (PCI) for CAD | Aug-Oct 2009 | 30 days for all patients | followup after intervention | NO | Non-industry only - grant from Government & non-profit foundation |
| Sibbing, 2010{Sibbing, 2010 88 /id}19943882Sibbing, 2010{Sibbing, 2010 73 /id}20633826GermanyNR | Prospective cohort | YES | Consecutive | Patients undergoing PCI with stenting for ACS and CAD | February 2007 to December 2008 | 30 days | followup after intervention | NR | partly industry (Material for platelet function analysis on the Multiplate device were provided free of charge from Dynabyte, Munich, Germany) |
| Sibbing, 2009{Sibbing, 2009 135 /id} 19264241 Sibbing, 2010{Sibbing, 2010 100 /id}20062919GermanyNR | Prospective observational study | YES | Consecutive | Patients undergoing PCI with stenting for ACS and CAD | February 2007 to April 2008 | 30 day and 6 months day followup | Followup after intervention | YES; Accrual>80% | partly industry (Material for platelet function analysis on the Multiplate device were provided free of charge from Dynabyte, Munich, Germany) |
| Schulz, 2010{Schulz, 2010 67 /id}20691843GermanyNR | Prospective observational study | YES | Consecutive | patients undergoing PCI | NR | 1 year | Followup after intervention | NR | Partial industry [Material for platelet function analysis on the Multiplate device was provided free of charge by Dynabyte (Munich, Germany)] |
| Freynhofer, 2011{Freynhofer, 2011 1 /id}21614416AustriaNR | Prospective, registry data | NO | Consecutive | Adults undergoing PCI and coronary stenting with no contraindication for dual antiplatelet therapy for up to one year | May 2009 to February 2010 | Total 6 month, mean/SD 189/68 days | Inpatient, then outpatient visits after discharge, at 1 mo and 6 mo | YES [YES] | Non-industry only |
| Siller-Matula, 2010{Siller-Matula, 2010 89 /id}19943879AustriaNR | Prospective observational | NO | Consecutive | Adults with CAD undergoing PCI with stenting (most elective) with clopidogrel and aspirin therapy | NR | Total, 6 month | Inpatient with followup after discharge (contacted patients at 3 and 6 mo after) | YES (YES—80%) | Nonindustry only |
| Eshtehardi, 2010{Eshtehardi, 2010 78 /id}20435201SwitzerlandNR | Prospective | NO | Consecutive | Patients with stable angina or ACS with an indication for PCI, undergoing PCI with stenting | Jan 2007-March 2008 | Total 30 days after PCI | Inpatient and then 30-day followup as outpatient | NO | Non-industry only |
| Ivandic, 2009{Ivandic, 2009 125 /id}19359538GermanyNR | Prospective | NO | Consecutive | CAD patients who underwent PCI and received standard therapy including ASA and clopidogrel  | June 2006 to August 2006 | Median follow-up was 419 days (95% CI 414–420 days) | Inpatient and then followup 30 days after PCI | NR | NR |
| Codner, 2012{Codner, 2012 18241 /id}22534051IsraelNR | prospective | no | NR | PCI for ACS | NR | 6 months | followup after intervention | No | NR |
| Gerotziafas, 2012{Gerotziafas, 2012 18243 /id}22311629GreeceNR | prospective | no | NR | Adults undergoing PCI for ACS | Oct 2007 – Jan 2008 | 3 months | Inpatient and followup after intervention | No | Industry provided assays |
| Johnston, 2012{Johnston, 2012 18242 /id} 22465351New ZealandNR | prospective | no | NR | Adults undergoing PCI for ACS | Oct 2010 – march 2011 | 3 days | Inpatient and followup after intervention | No | Non profit (Wellington Cardiology Trust) |
| Siller-matula, 2012{Siller-Matula, 2012 1 /id}22260716USAPEGASUS-PCI | prospective cohort | no | Consecutive | patients undergoing PCI | March 2007-Nov, 2009 | 12 months | medical university of vienna | yes, 80% | Austrian National Bank |
| Siller-Matula, 2012{Siller-Matula, 2012 18323 /id}22305813AustriaNR | prospective cohort | no | NR | patients undergoing PCI for CAD | March 2007-September 2008 | 12 months | Inpatient and followup after intervention | yes | Non-industry - Jubiläumsfond of the Austrian National Bank |