**Table 1:** Study design, participant characteristics and selection criteria

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| --- | --- | --- | --- | --- | --- | --- |
| Study ID | Design | Country | Year | Total no. of participants, (% male) | Mean age | Participant selection criteria |
| Benedetto 2014 | Matched cohort study | UK | 2001 to 2013 | 606 (83%) | Unclear | Patients had MIDCAB or DES for isolated proximal LAD disease |
| Blazek 2015 | RCT | Germany | 2003 to 2014 | 129 (70%) | 66 | Patients with myocardial ischemia and isolated proximal LAD lesion |
| Buszman 2011 | Retrospective cohort study | Poland | 2004 to 2009 | 463 (75%) | 61 | Patients had MIDCAB or DES for isolated proximal LAD disease |
| Glineur 2009 | Retrospective cohort study | Belgium | Unclear | 350 (unclear) | 63 | Patients had MIDCAB or DES for isolated proximal LAD disease |
| Hannan 2014 | Cohort study | USA | 2008 to 2011 | 1,430 (66%) | Unclear | Patients had CABG or DES for isolated proximal LAD disease |
| Hong 2005 | RCT | South Korea | 2003 | 189 (64%) | 61 | Patients had MIDCAB or DES for isolated proximal LAD disease |
| Jones 2011 | Cohort study | England | 2003 to 2010 | 874 (unclear) | Unclear | Patients had CABG or DES for isolated proximal LAD disease |
| Patsa 2010 | Cohort study | Greece | Unclear | 412 (unclear) | Unclear | Patients had LIMA grafting or DES for isolated proximal LAD disease |
| Thiele 2009 | RCT | Germany | 2003 to 2007 | 130 (70%) | 66 | Patients had isolated stenosis of the LAD |
| Toutouzas 2007 | Retrospective cohort study | Greece | 2001 to 2006 | 257 (86%) | 61 | Patients had LIMA or DES revascularization for proximal LAD lesion |
| Ungureanu 2013 | Retrospective cohort study | Belgium | Unclear | 204 (unclear) | Unclear | Participants had revascularization of isolated LAD disease |

RCT=randomized controlled trial; MIDCAB=minimally invasive direct coronary artery bypass; DES=drug eluting stent; LAD=left anterior descending artery; LIMA=left internal mammary artery