

Supplementary material

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Table S1. Inclusion criteria of observational and randomized studies comparing percutaneous coronary interventions (PCI) results in outpatient (OP) and inpatient (IP) settings.

| Reference | Patients (n) | Preprocedural | Procedural | Postprocedural | Discharge |
|---------------------------------------|--------------|--|---|--|---|
| Dalby et al., 2003 observational [44] | 70 | <ul style="list-style-type: none"> • Elective PCI • Noncomplex cases • No significant comorbidities | <ul style="list-style-type: none"> • Successful PCI • No arrhythmia | <ul style="list-style-type: none"> • Stable clinical condition | <ul style="list-style-type: none"> • The patient able and willing to go home • Follow-up visit for vascular access and renal function evaluation made |
| Yee et al., 2004 observational [42] | 75 | <ul style="list-style-type: none"> • Elective PCI • Age 18–75 years • Clean femoral puncture • No bleeding disorder or long-term anticoagulation • No infection • No peripheral vascular disease | <ul style="list-style-type: none"> • Discrete target lesions (<23 mm) in large vessels (≥ 3 mm) • Sheath size ≤ 8 French • No GP IIb/IIIa inhibitors administration | <ul style="list-style-type: none"> • Stable clinical condition • No vascular access or other major complication • No ECG changes or troponin increase | <ul style="list-style-type: none"> • Not reported |
| Bertrand et al., 2006 | 1 005 | <ul style="list-style-type: none"> • Ad hoc PCI procedures | <ul style="list-style-type: none"> • Radial access • Successful PCI | <ul style="list-style-type: none"> • No vascular access or | <ul style="list-style-type: none"> • The patient able and |

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|---------------------------------------|--------|---|--|--|--|
| randomized [45] | | <ul style="list-style-type: none"> • Age ≥ 18 years • No recent ACS (≤ 72 h) • LVEF $\geq 30\%$ • No DAPT intolerance • INR ratio ≤ 2.0 | | other major complication | <ul style="list-style-type: none"> • willing to go home • Adequate social support |
| Heyde et al., 2007 randomized [8] | 800 | <ul style="list-style-type: none"> • Elective PCI • No long-term anticoagulation | <ul style="list-style-type: none"> • Sheath size ≤ 6 French • No GP IIb/IIIa inhibitors administration | <ul style="list-style-type: none"> • Not reported | <ul style="list-style-type: none"> • Residence < 60 minutes from the PCI centre |
| Khater et al., 2007 observational [7] | 150 | <ul style="list-style-type: none"> • Age ≥ 18 years • Creatinine < 2 mg/dL • Chronic coronary syndrome or low-intermediate risk ACS | <ul style="list-style-type: none"> • Single or multivessel CAD amenable for PCI | <ul style="list-style-type: none"> • Stable clinical condition • No postprocedural GP IIb/IIIa inhibitors infusion • No vascular access or other major complication | <ul style="list-style-type: none"> • Adequate social support |
| Chung et al., 2010 observational [46] | 660 | <ul style="list-style-type: none"> • Elective or ad hoc PCI • LVEF $> 30\%$ • Creatinine < 2 mg/dL | <ul style="list-style-type: none"> • No left main disease | <ul style="list-style-type: none"> • Stable clinical condition • No complications | <ul style="list-style-type: none"> • Residence < 40 minutes from the PCI centre |
| Rao et al., 2011 observational [34] | 107018 | <ul style="list-style-type: none"> • Elective PCI between November 2004 and December 2008 • Exclusion: ACS, emergency procedures, cardiogenic shock | <ul style="list-style-type: none"> • Successful PCI | <ul style="list-style-type: none"> • Not reported | <ul style="list-style-type: none"> • Not reported |
| Falcone et al., 2011 | 44 | <ul style="list-style-type: none"> • Age < 75 yrs | <ul style="list-style-type: none"> • Native vessel PCI | <ul style="list-style-type: none"> • Successful PCI and | <ul style="list-style-type: none"> • Residence < 30 |

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|--------------------|--|---|--|--|-----------------------------|
| randomized [41] | | <ul style="list-style-type: none"> • Type A or B lesions • No acute MI • INR < 2 • Platelet count > 100/L • Creatinine ≥1.5 mg/dL • LVEF > 30% | <ul style="list-style-type: none"> • No GP IIb/IIIa inhibitors administration • No evidence of thrombus • Implantation of <3 stents • No dissection or side branch occlusion • Femoral access site amenable to vascular closure device | femoral artery closure <ul style="list-style-type: none"> • Stable for 2 h post-procedure | minutes from the PCI centre |
|--------------------|--|---|--|--|-----------------------------|

Abbreviations: ACS, acute coronary syndrome; CAD, coronary artery disease; DAPT, dual antiplatelet therapy; GP IIb/IIIa, glycoprotein IIb/IIIa; INR, international normalized ratio; LVEF, left ventricular ejection fraction