

学位論文の要旨

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<p>主論文の題名 Emergency Off-Pump Coronary Artery Bypass Graft Surgery for Patients on Preoperative Intraaortic Balloon Pump</p> <p>主論文の要旨 Background: The aim of this study is to investigate early and long term outcomes of the patients with acute coronary syndrome preoperatively requiring intraaortic balloon pump (IABP) support who underwent emergency off-pump coronary artery bypass grafting (OPCABG).</p> <p>Methods: One hundred and fifteen patients on preoperative IABP receiving emergency OPCABG over 11 year-period were evaluated. The median age was 71 years (range, 33-87). Acute myocardial infarction and unstable angina were present in 54 (47.0%) and 61 (53.0%) patients, respectively.</p> <p>Results: There were 3 perioperative deaths. The late survival, freedom from major adverse cardiac and cerebrovascular events (MACCE), and freedom from repeat revascularization at 5 years were 83.3%, 73.5%, and 84.2%, respectively. The multivariate predictors of total mortality were preoperative renal impairment (HR, 7.90; 95%CI, 3.06-20.4) and low ejection fraction (HR, 0.94; 95%CI, 0.88-0.99). The risk factors for MACCE were preoperative renal impairment (HR, 2.68; 95%CI, 1.00-7.19) and peripheral vascular disease (HR, 2.81; 95%CI, 1.05-7.51), and complete revascularization was protective (HR, 0.39; 95%CI, 0.19-0.81). The risk factor of repeat revascularization was previous percutaneous coronary intervention (HR, 3.26; 95%CI, 1.14-9.33), and complete surgical revascularization was also protective (HR, 0.30; 95%CI, 0.11-0.85).</p> <p>Conclusions: OPCABG is a feasible option for patients requiring IABP.</p>			