23.08.2012 E-Journal

Early Postoperative Hemodynamics and Clinical Outcomes of Patients Receiving Freedom Solo Aortic Valve Replacement – The Asian Experience

Dr. Sriyakumar K1, Hasrina H2, Abd A1, Hashim S1, Raja Amin R M1
Cardiovascular Surgery

Abstract
Background and aim of the study: Freedom SOLO (PS) valve (Sorin Group, Saluggia, Italy) is a stentless aortic valve bioprostheses that use a single running suture line implanted in supra-annular position. Current study aims to assess the early postoperative hemodynamics and clinical outcomes of patients receiving FS aortic valve replacement (AVR). Methodology: 4 patients (2 male; 2 female; mean age 49.25 ± 23.78 years; range: from 23 to 76 years); 3 with severe AS and 1 with severe MR were included. Preoperative echocardiogram demonstrated severe AS in all patients. AVR was performed using Freedom SOLO (PS) valve (Sorin, Italy). Results: All patients had uneventful recovery with excellent short-term hemodynamic and clinical outcomes. Conclusion: Freedom SOLO (PS) aortic valve shows promising early postoperative hemodynamic and clinical outcomes, and it can be a good option to be used in Asian patients.