

Pilot Registry of Stentys Self-Apposing Stent for Medial and Distal Left Main Stenosis

This was a pilot study to determine safety and device success rate in patients with middle and distal LM stenosis treated with Stentys self-expanding coronary DES stent. Device success was defined as ability to implant the stent into the target lesion and achieve optimal angiographic result. MACCE were assessed in hospital and 30 days follow-up. Preliminary data from ongoing registry. Registry included 24 patients. Mean age was 64±10 year. There were 83% females with stable CAD (n=6, 25%); unstable angina (n=16, 67%); NSTEMI (n=2, 8%). Median logistic Euroscore was 1,6% (IQR: 1,1-2,6), median Syntax score was 20,0 points (IQR: 20,0-27,2). Significant stenosis was in the middle (n=5, 21%) and distal segment (n=19, 79%) of LM treated with 3,5x4,5mm (n=12), 3,5x4,0mm (n=3) and 3,0x3,5mm (n=9) stents. Predilation and high pressure postdilatation with NC balloon was performed in all cases. Strut disconnection for SB access was done in 18 patients (75%). For 4 patients (16%) second (balloon-expandable) stent for SB was necessary. Device success was achieved in 23 patients (95,8%), with no edge dissection / side branch compromise. In 1 patient excessive protrusion of the stent into aorta occurred. There were no MACCEs during follow-up. The preliminary data from this single-center pilot registry suggest that Stentys self-apposing coronary stent may be a reasonable approach to treat middle and distal LM lesions.