COMPARISON OF 4 YEARS CLINICAL OUTCOME OF DRUG-ELUTING STENT IMPLANTATION IN HIGH-ANGLED (≥70°) BIFURCATION AND LOWER-ANGLED (≤70°) BIFURCATION LESION OF UNPROTECTED LEFT MAIN CORONARY ARTERIES

i2 Oral Contributions
Ernest N. Morial Convention Center, Room 353
Monday, April 04, 2011, 2:42 p.m.-2:56 p.m.

Session Title: Left Main and Bifurcation
Abstract Category: 17. PCI - Left Main Disease
Presentation Number: 2907-8

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Aim: The aim of study is to compare the 4 years clinical outcome of drug-eluting stent implantation in high-angled (≥70°) bifurcation (HAB) and lower-angled (≤70°) bifurcation (LAB) lesion of unprotected left main coronary arteries.

Methods: A prospective analysis of 488 patients with LMT stenosis (374 HAB and 114 LAB) in five high volume Asian centers after successful stenting in LMT was performed. LMT was treated with 5 strategies (single 195, mini-crush 116, culotte 89, T 47 cases, crush 32 cases, kissing 9).

Results: At 4 years overall cardiac events of LAB (18.4%) were significantly lower than HAB (27.0%) (p=0.012).

Conclusion: Drug-eluting stent implantation in low-angled LMT bifurcation lesion showed lesser incidence of cardiac events (death, myocardial infarction, CABG and PCI) compared with high-angled LMT bifurcation lesion of unprotected left main coronary arteries at 4 years clinical follow-up.