## Stenting for Unprotected Left Main Coronary Stenosis: Acute and Long-Term Results of the First 145Cases

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*Objectives:* The aim of this study was to evaluate the acute and long-term results of elective coronary stenting for unprotected left main coronary artery(LMCA) stenosis in selected patients with normal left ventricular function.

*Methods and Results:* Elective stenting with(n=98) or without debulking atherectomy(n=47) was performed in 145consecutive patients with significant LMCA stenosis(age 56.2  $\pm$  11.1 years)at our institution. Coronary artery lesions were located at the ostium(46%), body(17%) and bifurcation sites(37%) of LMCA. Coronary angiography was performed at 6-months and clinical evaluation at regular interval. Procedural success rate was 99%. Subacute stent thrombosis occurred in 1 patients on day 3 after the procedure and treated with elective bypass surgery. Mean follow-up duration was 31.3  $\pm$  19.4 months. Four patients died during the follow-up(1 in cardiac origin, 3 in non-cardiac origin). Angiographic restenosis rate(>50% diameter stenosis) was 22%(26/118)(10.3% in debulking group vs 27.8% in non-debulking group, p=0.031), and target lesion revascularization rate was 11.7%. Event-free survival rate (death, myocardial infarction, repeat revascularization) was 21.42  $\pm$  17.2% at the end of the follow-up period.

*Conclusions:* Stenting may be a safe and feasible technique for treatment of untprotected LMCA stenosis in selected patients, and be associated with a favorable long-term clinical outcome.