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Background: Cypher is now widely used, and their efficacy has been reliably documented in several randomized trials. The purpose of this study was to identify the efficacy and safety of treat unprotected left main coronary artery stenosis compared to Taxus. Methods: Cypher stents were implanted in 81 patients with unprotected LMT stenosis between August 2004 and April 2006. Taxus were implanted in 27 patients with unprotected LMT stenosis between June 2007 and January 2007. We investigated clinical and angiographic outcomes at 12 months. Results: Results are shown in the Table below. Conclusion: Treatment of unprotected left main coronary artery stenosis with Cypher and Taxus were safe and feasible.

	Cypher	Taxus
Mean age	68 ± 10	65 ± 11
Men	72%	76%
EF	58 ± 8%	55 ± 8%
IABP use	22%	14%
DM	34%	40%
Procedural and clinical success	100%	100%
LMCA ostium	2%	4%
LMCA bifurcation	97.4%	96%
crush	12.2%	12%
modified T	20%	4%
T stent	4%	4%
single stent spanning LAD	44%	48%
single stent spanning LCX	8%	8%
Y stenting	6%	8%
V stenting	4%	0%
Restenosis lesion	3 (6%)	0 (0%)
In stent restenosis	3 (6%)	0 (0%)
Reference Vessel Diameter	3.37 ± 0.81mm	3.19 ± 1.42mm
Mean lesion length	26.4 ± 15.4mm	25.3 ± 14.3mm
Mean stent size	3.38 ± 0.22 mm	3.31 ± 0.26 mm
Mean number of stent	2.5 ± 1.3	1.9 ± 1.0
Mean stent total length	24.1 ± 11.2 mm	22.1 ± 12.2 mm
Mean pressure	21.3 ± 1.94 atm	18.6 ± 1.04 atm
12M Follow up rate	72%	60%
CVD	0%	0%
CABG	0%	0%
Death	4.7%	0%
Q MI	2%	4%
Non Q MI	5.9%	0%
Acute and sub acute thrombosis	0%	4%
Late thrombosis	1.2%	0%
TLR	11%	8%
Binary restenosis rate	13.8%	8%