

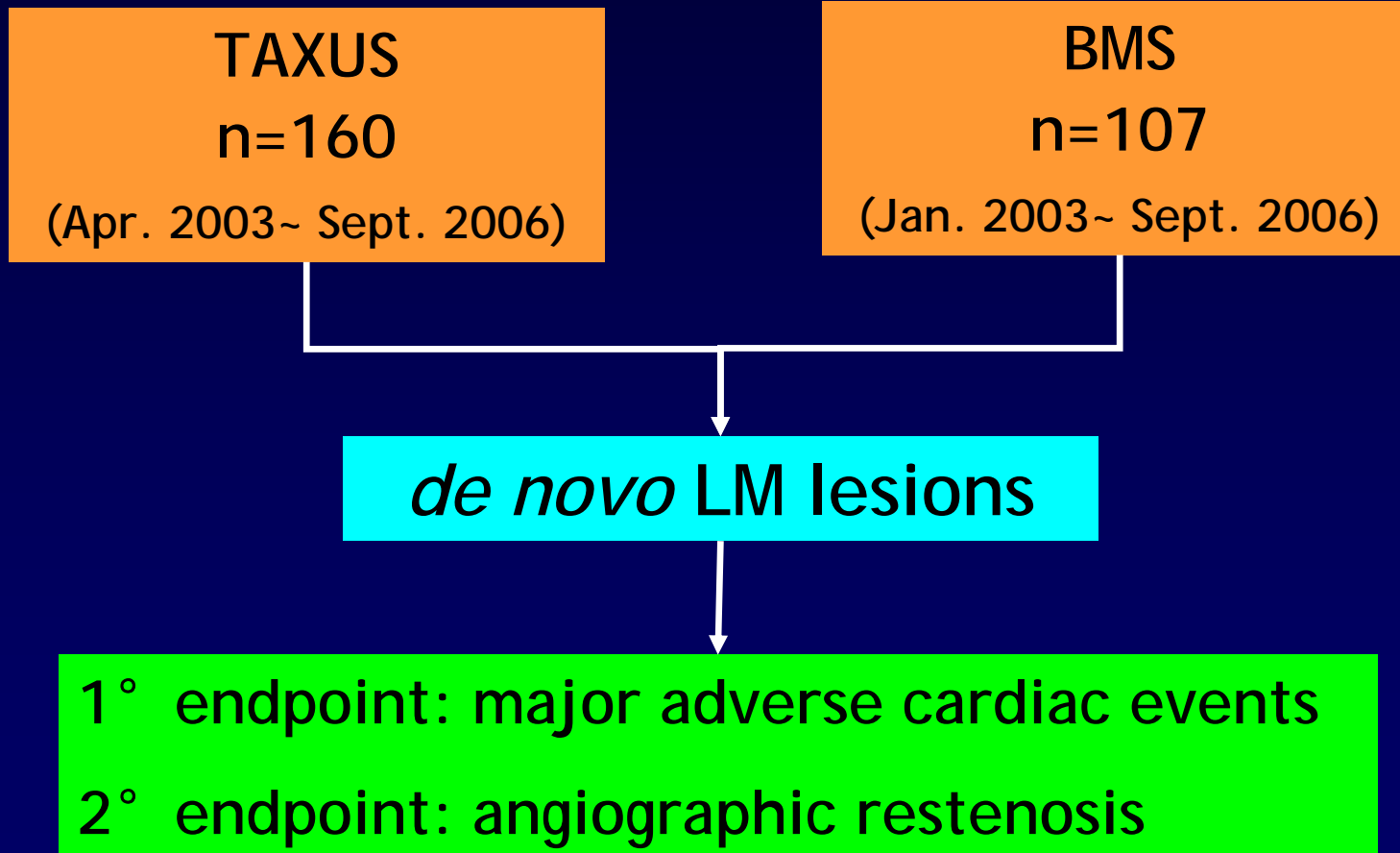
**Comparison of Paclitaxel-Eluting Versus Bare
Metal Stent Implantation for Unprotected Left
Main Coronary Artery Stenosis**

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TAXUS in Treating LM Disease

– Shenyang Northern Hospital Experience



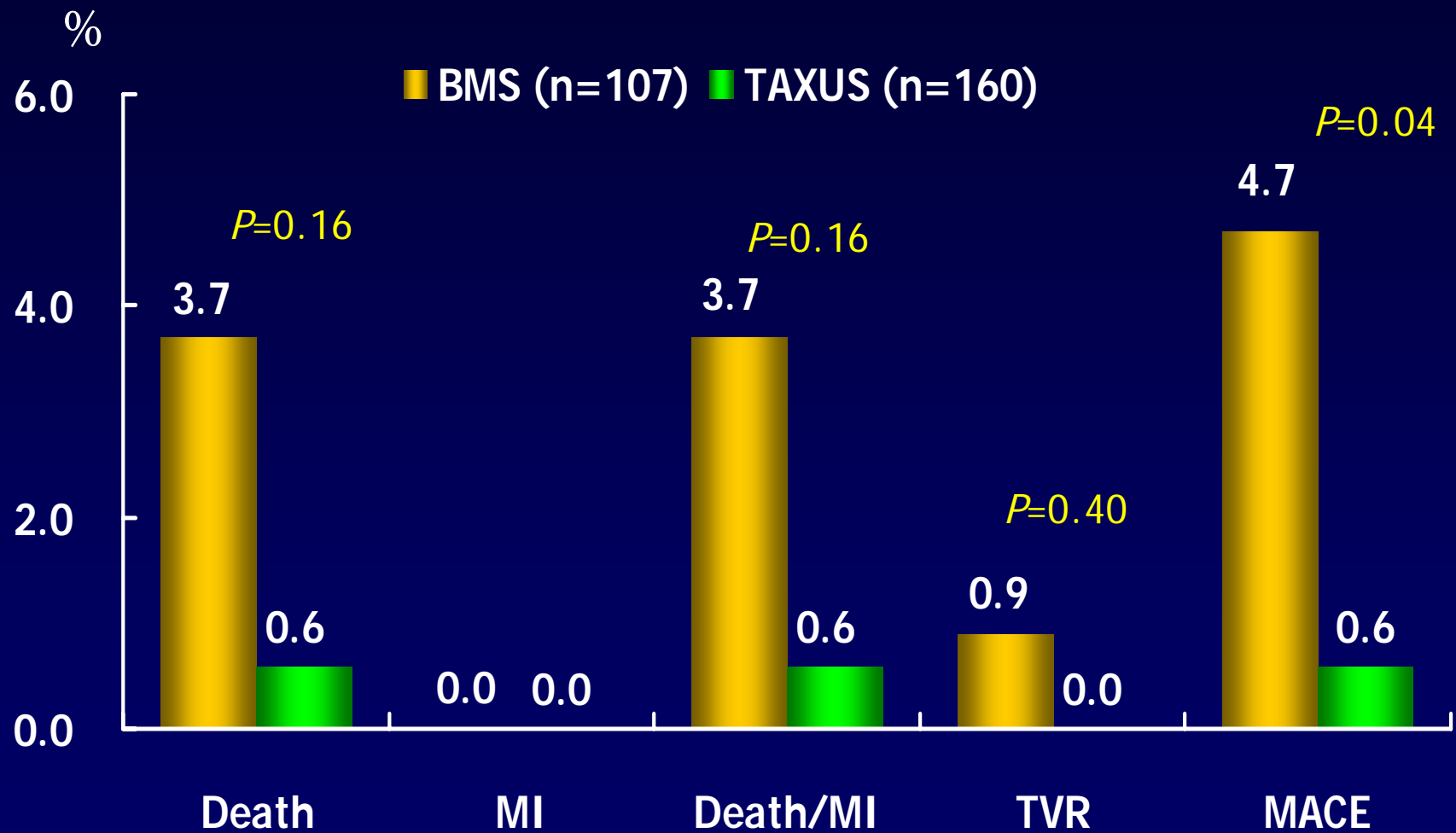
• Baseline Clinical Characteristics

	BMS (n=107)	TAXUS (n=160)	P value
Age, yrs	63.6±10.0	63.3±10.9	0.799
Female, (%)	<u>30(28.0)</u>	28(17.5)	0.041
Current Smoker, (%)	26(24.3)	<u>68(42.5)</u>	0.002
OMI, (%)	26(24.3)	34(21.3)	0.559
Hypertension, (%)	<u>66(61.7)</u>	78(48.8)	0.038
Diabetes, (%)	29(27.1)	36(22.5)	0.390
Prior Stroke, (%)	10(9.3)	9(5.6)	0.247
Family History, (%)	7(6.5)	17(10.6)	0.253
Hyperlipidemia, (%)	53(49.5)	64(40.0)	0.124
AMI, (%)	30(28.0)	40(25.0)	0.580
LVEF, %	55±12	52±10	0.101

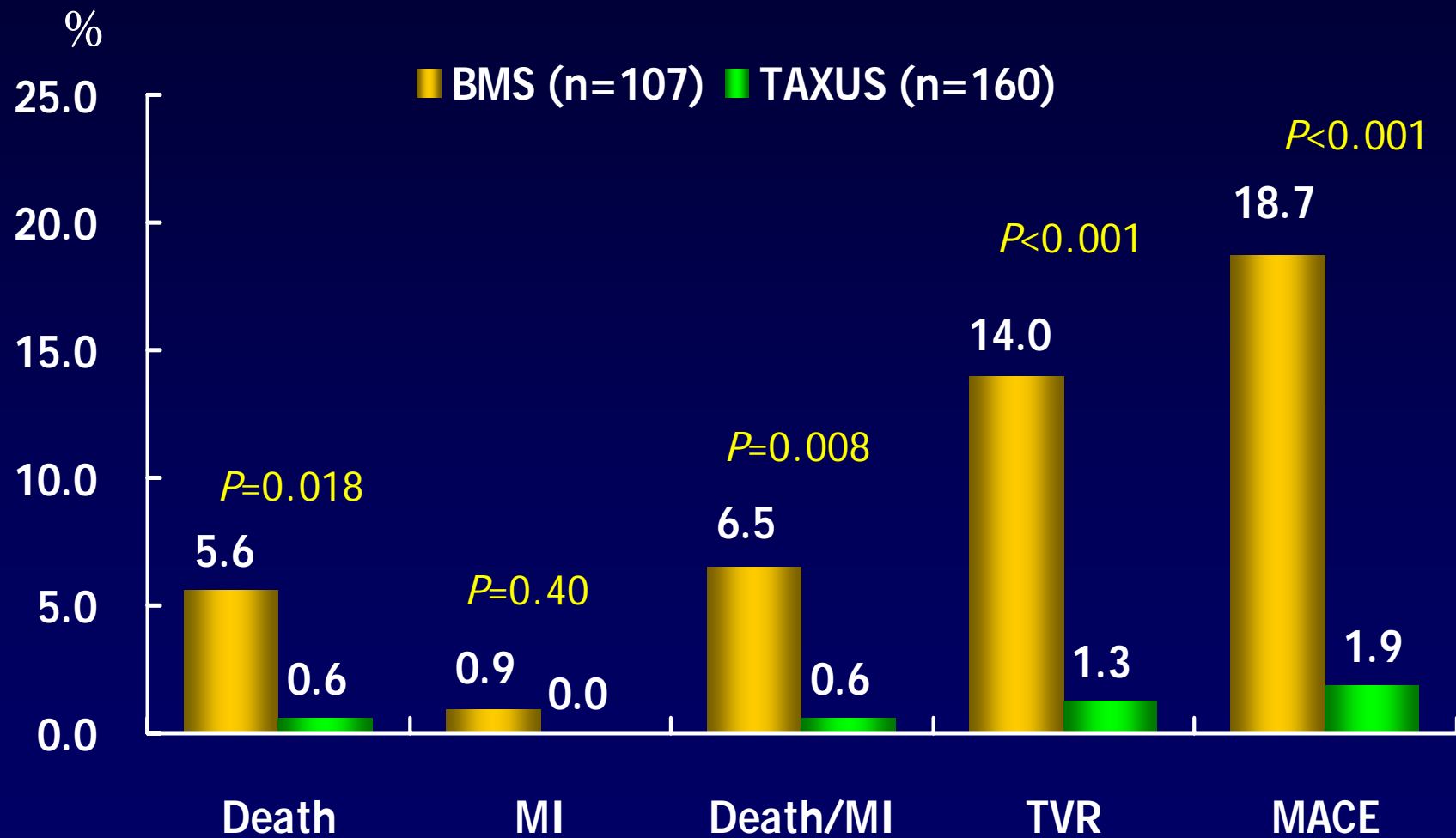
• Angiographic and Procedural Results

	BMS (n=107)	TAXUS (n=160)	P value
Multivessel disease	77(72.0)	129(80.6)	0.099
Location			
Ostium	56(52.3)	40(25.0)	
Shaft	6(5.6)	7(4.4)	<0.001
Distal	45(42.1)	113(70.6)	
Diameter stenosis, %	78.2±13.1	79.8±15.3	0.368
Emergent PCI	6(5.6)	4(2.5)	0.206
Direct stenting	10(9.3)	15(9.4)	0.993
Cutting balloon	8(7.5)	7(4.4)	0.281
Bifurcation stenting			
1 stent	27(60.0)	59(52.2)	
2 stents	18(40.0)	54(47.8)	<0.001
No. of implanted stents	1.44±0.50	1.49±0.51	0.447
Stent diameter, mm	3.77±0.62	3.57±0.46	0.001
Stent length, mm	29.5±13.5	35.2±15.1	0.002
Dilation pressure, atm	15.4±3.8	16.1±4.9	0.236

• 30 Day Clinical Outcomes

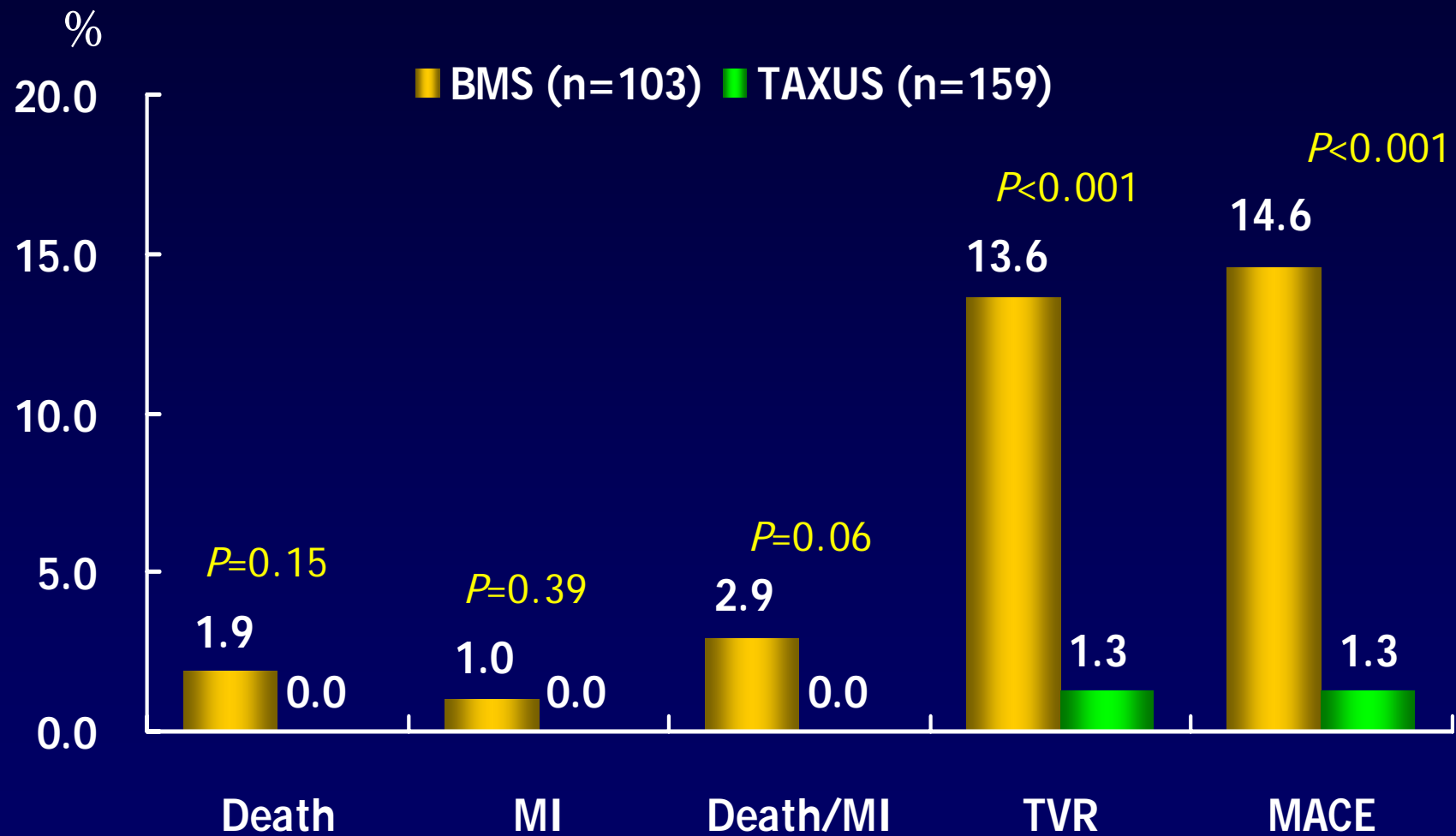


• Late Clinical Outcomes of All Patients



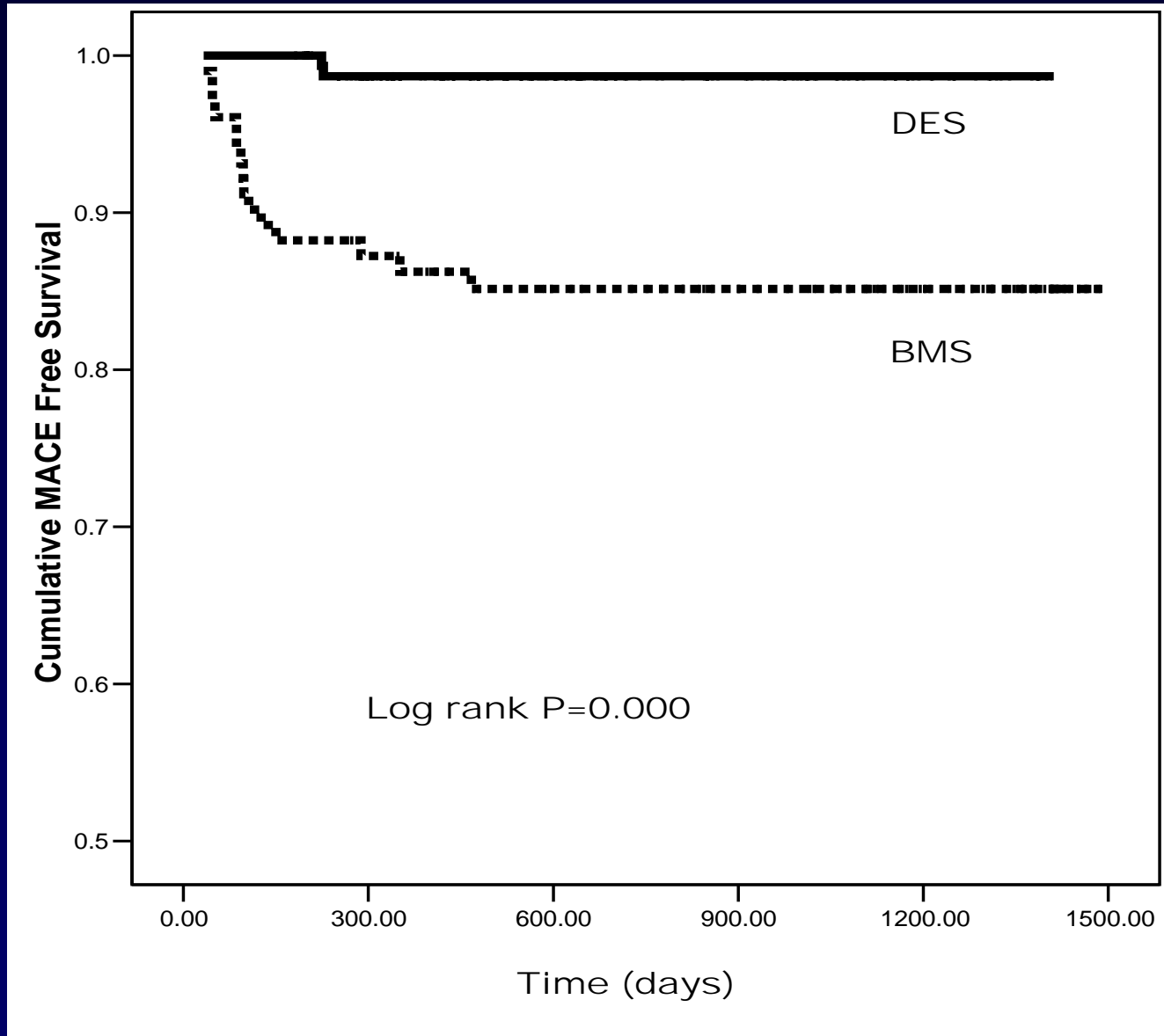
Follow-up for 212~1537 (mean 886 ± 408) days (15th Apr. 2007)

- Late Clinical Outcomes of Discharged Pts



Follow-up for 212~1537 (mean 886 ± 408) days (15th Apr. 2007)

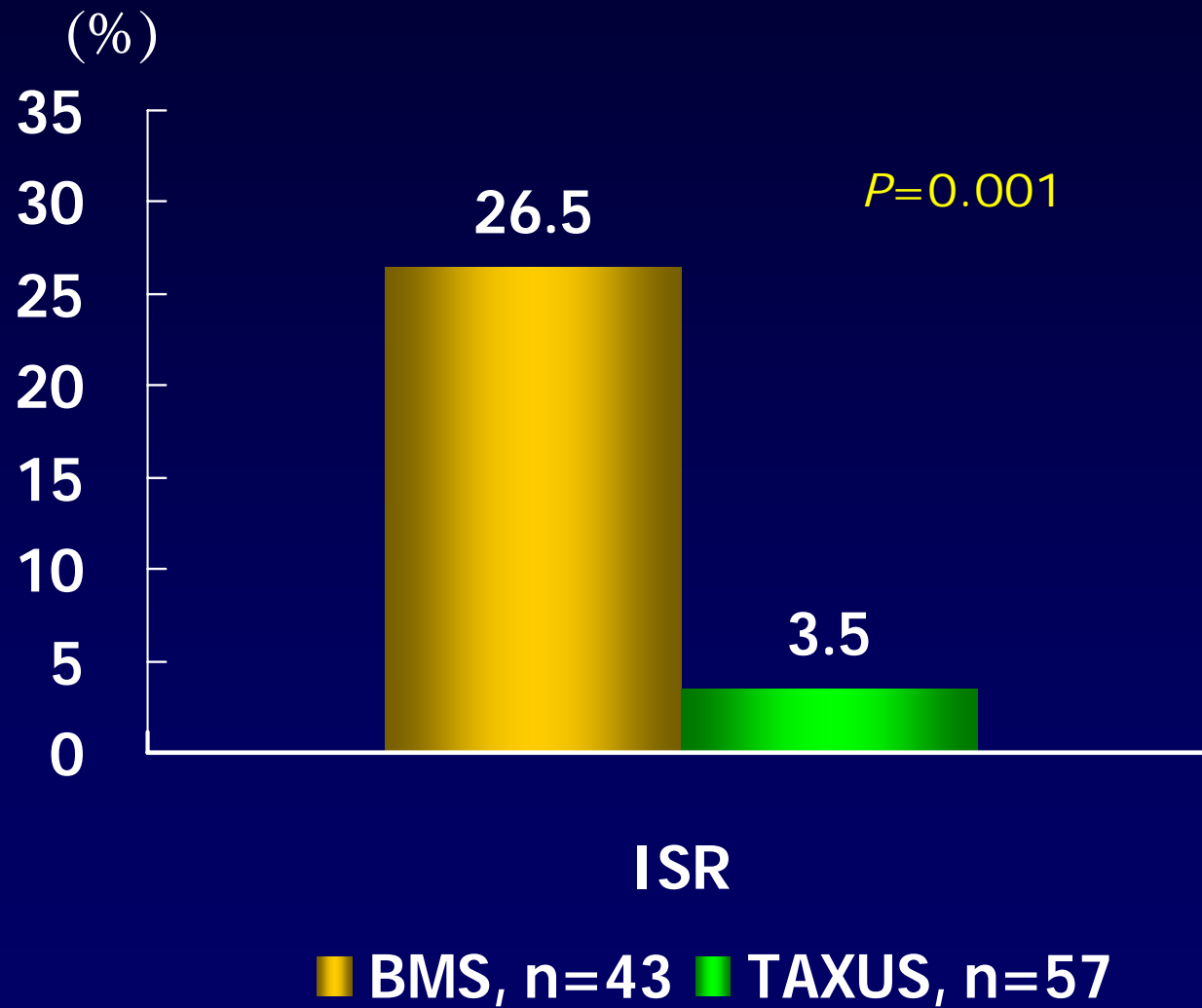
- K-M Curve of MACE Free Survival



Multivariate Analysis

	<i>P</i> value	Hazard Ratio (95%CI)
TAXUS	0.001	0.078 (0.017-0.356)
2 stents in bifurcation	0.037	0.232 (0.059-0.915)
Distal LM lesion	0.007	4.208 (1.482-11.945)
Hypertension	0.294	1.757 (0.614-5.029)
Smoker	0.440	0.598(0.163-2.200)
Gender	0.575	0.690(0.189-2.521)
Multivessel disease	0.606	1.440(0.361-5.753)
Stent diameter	0.887	0.936(0.375-2.335)

- **Angiographic Restenosis @ 9 months**



Summary

- Paclitaxel eluting stent implantation for LM stenosis significantly reduces MACE compared with BMS, which mainly due to the reduction of TLR
- Long-term efficacy of paclitaxel eluting stent implantation for LM stenosis need further confirmation with randomized clinical trials

A landscape photograph showing a vast green field in the foreground, a line of trees in the middle ground, and mountains in the distance under a clear blue sky with some light clouds. The text "Thank You" is overlaid in the center-right of the image.

Thank You