



TCT@ACC-i2: Invasive and Interventional Cardiology

LOW INCIDENCE OF STENT THROMBOSIS IN ASIAN RACES: MULTICENTER REGISTRY IN ASIA SEVEN-YEARS FOLLOW-UP RESULTS

Poster Contributions

Poster Sessions, Expo North

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Background: The aim of this study was to evaluate the frequency, predictors and the clinical outcome of stent thrombosis after DES implantation and bare metal stent (BMS) implantation in Asian races.

Method: A total of 14,577 consecutive patients who underwent successful DES implantation (8,809 patients, 62% of the lesion with Sirolimus-eluting stent: SES, 38% of the lesion with Paclitaxel-eluting stent: PES) and BMS implantation (5,768 patients) were included in this study. We evaluate the frequency, predictor of stent thrombosis.

Results: At a mean follow-up of 78.5±29.9 months in DES and 81.8±26.4 months in BMS. The cumulative incidence of stent thrombosis were subacute stent thrombosis (SAT): 0.5% with DES and 0.6% with BMS, late stent thrombosis (LAST): 0.18% with DES and 0.1% with BMS, very late stent thrombosis (VLAST): 0.18% per year with DES and no BMS. Independent predictors of stent thrombosis are bifurcation lesion (OR=1.90, 95% CI: 1.83 to 24.24, p=0.01) and ejection fraction (OR=0.90, 95% CI: 0.86 to 0.94, p=0.03). Only 0.2 % of the patients were died because of the myocardial infarction after stent thrombosis in both groups.

Conclusions: The incidence of stent thrombosis in Asian races is relatively low (0.5 % with DES and 0.6% with BMS of SAT, 0.18% increase per year with DES of late stent thrombosis) at mean follow-up to 7 years. Particular attention will need to be directed to this complication when the patients have bifurcation lesions or low ejection fraction.

Stent Thrombosis to 7 Years ARC Definite / Probable

