

ROUTINE FOLLOW-UP CORONARY ANGIOGRAPHY VERSUS CLINICAL FOLLOW-UP ONLY FOLLOWING PERCUTANEOUS CORONARY INTERVENTION WITH DRUG-ELUTING STENTS : 2-YEAR CLINICAL FOLLOW-UP RESULTS

i2 Poster Contributions

Ernest N. Morial Convention Center, Hall F

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Background: There are limited data whether the routine follow up (FU) coronary angiography (CAG) regardless of patient's symptoms following index percutaneous coronary intervention (PCI) with drug-eluting stents (DESs) is beneficial.

Methods: 1218 consecutive patients (pts) underwent PCI with DESs from November 2005 to June 2008. Routine FU CAG was performed between 6 to 9 months. Rests of the pts were clinically followed. Cumulative clinical outcomes up to 2 years were compared between Routine CAG group (n=774 pts, 70.4%) and Clinical FU group (n= 325 pts, 29.6%).

Results: 1099 pts (90.2%) were followed up to 2 years. Clinical FU group were older, higher incidence of hypertension, cerebral vascular disease (CVD), previous PCI and lower left ventricular ejection fraction (LVEF) as compared with those of Routine CAG group. Routine CAG group showed lower incidence of cumulative cardiac death and a trend toward less incidence of Q-wave MI up to 2 years (Table).

Conclusions: Routine FU CAG following index PCI with DESs was associated with lower incidence of cardiac death and a trend toward less Q-wave MI despite higher chance of repeat PCI due to expected oculostenotic reflex.

Table. Clinical Outcomes up to 2 Years

| Variables, n (%) | Routine CAG group (n = 823 pts) | Clinical FU group (n = 395 pts) | P Value |
|----------------------------|------------------------------------|------------------------------------|---------|
| Cardiac death | 3 (0.4) | 8 (2.5) | 0.002 |
| Q-wave MI | 4 (0.5) | 5 (1.5) | 0.086 |
| TLR | 75 (9.7) | 20 (6.2) | 0.057 |
| TVR | 97 (12.5) | 22 (6.8) | 0.005 |
| TLR-MACE | 74 (9.6) | 25 (7.7) | 0.323 |
| TVR-MACE | 107 (13.8) | 42 (12.9) | 0.690 |
| All MACE | 141 (18.2) | 53 (16.3) | 0.449 |
| Stent thrombosis | | | |
| Acute & subacute (<1Month) | 5 (0.6) | 3 (0.8) | 0.759 |
| Late (1<month<12Month) | 3 (0.4) | 2 (0.5) | 0.717 |
| Very Late (>12Month) | 2 (0.2) | 1 (0.3) | 0.973 |