



## Acute Coronary Syndromes

### CHARACTERISTICS AND OUTCOMES OF MEDICALLY MANAGED PATIENTS WITH NON-ST-SEGMENT ELEVATION ACUTE CORONARY SYNDROMES: INSIGHTS FROM THE MULTINATIONAL EPICOR ASIA STUDY

Poster Contributions

Poster Hall B1

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**Background:** Many NSTEMACS patients are medically managed without coronary revascularization. The reasons vary and may impact prognosis.

**Methods:** EPICOR Asia (NCT01361386) is a prospective study of hospital survivors post ACS enrolled in 219 hospitals from 8 countries/regions in Asia (06/2011-05/2012). All medically managed NSTEMACS patients in EPICOR Asia were classified into 3 groups: 1) no coronary angiography (CAG-); 2) non-significant coronary artery disease (CAD) on angiogram (CAG+ CAD-); and 3) significant CAD (CAG+ CAD+). We compared baseline differences between groups, and report 1-y mortality rates.

**Results:** Of 6,164 NSTEMACS patients, 2,272 (37%) were medically managed only, with 1,339 (59%), 254 (11%) and 679 (30%) patients in the CAG-, CAG+ CAD-, and CAG+ CAD+ groups, respectively. There were marked differences in number of NSTEMACS patients medically managed among the 8 countries/regions (13-81%). Between-group differences were seen in baseline characteristics (Table). CAG+ CAD- patients were younger with fewer CV risk factors than CAG+ CAD+. CAG- patients were older, more likely with known CV disease, more frequently admitted to hospitals with no cath lab, and had the highest 1-y mortality (6.9% versus 3.3% for EPICOR Asia overall).

**Conclusion:** NSTEMACS patients who are medically managed are a heterogeneous group with different clinical features and outcomes e.g. mortality risk. The factors underlying different management strategies, and to improve prognosis, need to be identified.

	CAG-	CAG+ CAD-	CAG+ CAD+	p <sup>†</sup>
n, (%)	1339 (59)	254 (11)	679 (30)	--
Age, mean (SD), years	65 (12)	59 (12)	62 (11)	<0.001
Age ≥75 years, %	24	12	12	<0.001
Male, %	62	63	69	0.008
Hypertension, %	65	53	66	<0.001
Hypercholesterolemia, %	21	20	21	0.84
Diabetes, %	29	26	33	0.039
Family history of CAD, %	9	8	10	0.49
Obesity, %	7	7	5	0.39
Current smoker, %	22	17	24	0.23
Previous CVD, %	43	31	40	0.001
No cath lab, %	11	0	<1	<0.001
1-year mortality, %	6.9	2.4	4.0	0.002

<sup>†</sup>Chi-square test. CAD, coronary artery disease; CVD, cardiovascular disease; SD, standard deviation