



THE FEASIBILITY AND SAFETY OF SAME DAY DISCHARGE FOR ALL COMERS AFTER ELECTIVE PERCUTANEOUS CORONARY INTERVENTIONS

Poster Contributions
Poster Hall, Hall C
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Session Title: PCI for NSTEMI and Complex Patients With Multiple Co-Morbidities
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Background: The safety of same day discharge (SDD) after percutaneous coronary interventions (PCI) has been demonstrated, but was only allowed in patients meeting strict arbitrary criteria. We aim to evaluate the feasibility and safety of SDD following elective PCI in all comers.

Methods: Patients presenting for coronary angiography ± PCI between 2012-2016 were included. SDD was planned for all patients (SDD success), but overnight admission was permitted at the discretion of the treating physician (SDD failure). Reasons for hospital admission, in-hospital and 30-days outcomes were assessed.

Results: Out of 3355 patients undergoing PCI during the study period, 691 (21%) presented electively. Of those, 539/691 (78%) were successfully discharged on the same day. Predictors of SDD failure were procedural complications (OR:10.2, p=0.004), atherectomy (OR:9.7, p=0.016), GPIIb-IIIa (OR:4.7, p=0.014), left ventricular dysfunction (OR:3.1, p=0.05) and femoral access (OR: 1.938, p=0.016). There was no difference in adverse events between patients discharged same day and those admitted for observation.

Conclusions: SDD is safe and feasible following the majority of elective PCIs. Certain procedural and patient's characteristics should be considered when evaluating patients for SDD.

Baseline Characteristics:	N(%)
Age (years)	65±10.6
Females	248 (35.9)
CVA history	85 (12.3)
CABG history	157(22.7)
LV dysfunction (EF<50)	185 (26.8)
Atrial Fibrillation	71 (10.3)
Diabetes Mellitus	306 (44.3)
Hypertension	653 (94.5)
Obesity (BMI>=30)	366 (53)
Anemia	152 (22)
CKD (GFR<60)	137 (19.9)
Positive Stress Test	286 (41.4)
Procedural Details:	
Radial Access	480 (69.5)
Femoral Access	211 (30.5)
Left Main / proximal LAD	177(25.6)
LIMA/ SVG	44 (6.4)
Left Circumflex	170 (24.6)
Right Coronary Artery	197 (28.5)
No. of stents	1.25±0.86
Total stent length (mm)	26±20
Bifurcation	67 (9.7)
CTO	93 (13.5)
DES	556 (80.5)
BMS	33 (4.8)
PTCA (no stent)	102 (14.8)
GP IIb IIIa	89 (12.9)
Fluoroscopy time (minutes)	21.7±14.8
Contrast load (ml)	190±76.5
IVUS/FFR	149 (21.6)
Atherectomy Laser/Rotablator	8 (1.2)
SVG filter	6 (0.9)
In-Hospital Outcomes:	
Same Day Discharge	539 (78)
Overnight Stay	152 (22)
In hospital complications (total)	19 (2.7)
Bleeding	18 (2.6)
AKI	1 (0.1)
30-day Outcomes:	
MACCE	22 (3.3)
SDD	17 (3.2)
Overnight	5 (3.5)
Death	1 (0.1)
ACS	20 (2.9)
Stroke/ TIA	1 (0.1)
Target Vessel Revascularization	4 (0.6)