Supplementary Online Content


eAppendix. Propensity Match Criteria

This supplementary material has been provided by the authors to give readers additional information about their work.
**eAppendix.** Propensity Match Criteria

List of covariates included in each propensity match. Note that the same variables were included for both drug eluting stent and bare metal stent analyses, though the propensity model was developed for each individual device analyzed. Propensity scores were developed from a non-parsimonious hierarchical logistic regression analysis developed with the device of interest (exposure) used as the dependent variable, adjusting for baseline covariates of the factors listed, as well as between-hospital differences in device utilization.

### 1. Stent Device Propensity Match

Patient age

Patient height

Patient weight

Patient gender

History of diabetes

History of peripheral vascular disease

Pre-procedure renal insufficiency

History of chronic renal dialysis

History of chronic obstructive lung disease

History of congestive heart failure

Transfer from referring hospital

Performing center (anonymized)

ST-segment elevation myocardial infarction on presentation

NSTEMI on presentation
Cardiogenic shock on presentation
Left main disease (>50% severity)
Proximal LAD disease (>70% severity)
Multivessel coronary artery disease
Pre-PCI TIMI flow rate
High-risk lesion (per NCDR)
Intraprocedural glycoprotein IIb/IIIa agent used
Ejection fraction <= 30%
Minimal target vessel diameter
Lesion with restenosis
Total number of lesions treated during index PCI
Total number of stents used
Number of coronary vessels treated
Left main PCI
Emergent procedure status
Salvage procedure status
Flouro-time (surrogate for procedure duration)

2. Embolic Protection Propensity Match

Patient age
Female gender
Patient height
Patient weight
History of diabetes
History of hypercholesterolemia
History of smoking
History of peripheral vascular disease
Pre-procedure renal insufficiency
History of chronic renal dialysis
History of chronic obstructive lung disease
History of congestive heart failure
Family history of CAD
Transfer from referring hospital
Performing center (anonymized)
Unique physician identification number
ST-segment elevation myocardial infarction on presentation
NSTEMI on presentation
Cardiogenic shock on presentation
Ejection Fraction <= 30%
Left main coronary artery disease (>50% severity).
Proximal left anterior descending artery disease (>70% severity)
Previously treated coronary lesion
Pre-procedure target lesion severity
Length of the coronary lesion
Diameter of the reference vessel (for vein graft lesion treated)
Risk of the coronary lesion (per NCDR)
Pre-procedure TIMI flow grade
Intraprocedural use of glycoprotein 2b3a inhibitor

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Total number of lesions treated during index PCI
Total number of stents used
Number of coronary vessels treated
Left main PCI
Emergent procedure status
Salvage procedure status
Flouro-time (surrogate for procedure duration)

3. **Vascular Closure Device Propensity Match**

Age > 70yr
Female gender
Patient height
Patient weight
History of diabetes
History of hypertension
History of peripheral vascular disease
Pre-procedure renal insufficiency
History of chronic renal dialysis
History of chronic obstructive lung disease
Performing center (anonymized)
ST-segment elevation myocardial infarction on presentation
NSTEMI on presentation
Number of coronary vessels treated
Intraprocedural use of glycoprotein 2b3a inhibitor
Use of bivalirudin during PCI
Use of venous sheath during PCI
Total number of PCI during admission
Intra-aortic balloon pump during procedure
Emergent procedure status
Salvage procedure status
Flouro-time (surrogate for procedure duration)