UA/NSTEMI for PCI of a native coronary artery with either
1) DM; 2) + Troponin; or 3) ST↓ ≥ 0.5 mm

N = 857

TRANSFER TO CATH LAB, DIAGNOSTIC ANGIOGRAM

CONFIRM ELIGIBLE FOR PCI OF CULPRIT IN NATIVE ARTERY

- Eptifibatide
  180/180 mg/kg +
  2 mg/kg/min
  +
  UFH
  50 U/kg IVB - ACT 200s

- Eptifibatide
  180/180 mg/kg +
  2 mg/kg/min
  +
  Enoxaparin
  0.5 mg/kg IV

- Bivalirudin
  0.75 mg/kg IVB +
  1.75 mg/kg/h

Design Features:
Open-label, Randomized (1:1:1), Intention-to-treat

PRIMARY EFFICACY: Coronary Flow Reserve post-PCI
MAJOR SECONDARY: Duration of Ischemia p-PCI to 24h
PRIMARY SAFETY: TIMI major bleeding at 48h (or hosp d/c)
**PROTECT – TIMI 30**

**Results**

<table>
<thead>
<tr>
<th>Primary Endpoint</th>
<th>Secondary Endpoint</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Post-PCI Coronary Flow Reserve</strong></td>
<td><strong>Duration of Ischemia</strong></td>
</tr>
<tr>
<td>EPT (pooled)</td>
<td>N=516</td>
</tr>
<tr>
<td>1.33</td>
<td>N=238</td>
</tr>
<tr>
<td>BIV</td>
<td>1.43</td>
</tr>
<tr>
<td>N=28</td>
<td>36</td>
</tr>
</tbody>
</table>

**Duration of Ischemia**

- EPT (pooled): 169 minutes
- BIV: 36 minutes

**P-values**

- Coronal Flow Reserve: P=0.036
- Duration of Ischemia: P=0.013

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Gibson CM, J Am Coll Cardiol 2006; 47:2364–73