Vessel Preparation by Focal Force Balloon

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Disclosure

Speaker name:
Dr. Ralf Langhoff

I have the following potential conflicts of interest to report:

☐ Consulting
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☒ I do not have any potential conflict of interest
Angioplasty Balloon Inadequacies

**Stent pre-dilatation** (geographic miss, inadequate stent expansion/wall apposition)

**Heavily calcified/hard lesions** (limited drug penetration for DEBs?)

**ISR** (balloon slippage, tissue recoil)

**Diffuse/small vessel disease**

**Bifurcation, Side branch, Ostial lesions**

**Unpredictable results and high rate (≥30%) of uncontrolled dissections**
ULTRASCORE™ Focused Force PTA Balloon

• 24 x Force
• 0.035” wire compatible
• almost all on 5F
• length up to 300mm
ULTRASCORE™ Focused Force PTA Balloon

May allow for a more controlled plaque fracture and less vessel recoil, even in calcified lesions
Scoring Mechanism: ULTRASCORE™ to AngioSculpt™

ULTRASCORE’s™ longitudinal scoring wires are more effective at lower inflation pressure compared to AngioSculpt’s™ wire configuration.

ULTRASCORE™ breaks plaque at **1.10 atm** across **entire length** of lesion.

AngioSculpt™ breaks plaque at **8.45 atm** at multiple **single points** along the lesion.
**Lesion characteristics (n:159):**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lesion length</td>
<td>7.4 cm (1.5-30 cm)</td>
</tr>
<tr>
<td>Average stenosis</td>
<td>85.5%</td>
</tr>
<tr>
<td>Occlusion</td>
<td>20 (16.1%)</td>
</tr>
</tbody>
</table>

**Location:**

<table>
<thead>
<tr>
<th>Location</th>
<th>Count (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFA proximal</td>
<td>31 (19.5%)</td>
</tr>
<tr>
<td>SFA mid</td>
<td>37 (23.3%)</td>
</tr>
<tr>
<td>SFA distal</td>
<td>55 (34.6%)</td>
</tr>
<tr>
<td>Popliteal</td>
<td>30 (18.9%)</td>
</tr>
<tr>
<td>Deep femoral</td>
<td>2 (1.3%)</td>
</tr>
<tr>
<td>External iliac</td>
<td>3 (1.9%)</td>
</tr>
<tr>
<td>Common iliac</td>
<td>1 (0.6%)</td>
</tr>
</tbody>
</table>
PANTHER Evaluation of treatment of femoro Popliteal lesions with ANgiosculpt PTA Scoring Balloons – HEidelberg Registry

12 months follow up

Primary patency: 81,2 %
Secondary patency: 91,8 %
TLR: 7,3 %

**primary patency:** analysis per lesion

Angiosculpt only: 81,5 %
Angiosculpt plus DCB: 83,9 %
Angiosculpt plus Stent: 77,8 %
GoBack™ crossing catheter

- Combines maneuverable crossing catheter with reentry capability in a single product
- Fully disposable, no console, no external energy source
- 4Fr device with 0.018” guidewire
- Does not rely on guidewire to cross the plaque
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