Large Sheath Closure  
With The Proglide Device:  
Tips, Tricks And Economic Value

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Disclosure

Giovanni Pratesi, M.D.
I have the following potential conflicts of interest to report:

- Consulting: Abbott, Cook, Cordis, Endologix, Medtronic, WL Gore
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)
- I do not have any potential conflict of interest

Fast-track Endovascular Aortic Repair: Interim Report  
From the Prospective LIFE Registry

- No randomized, prospective, post-market study
- 129 enrolled patients
- Primary endpoint
  - 30-day major adverse event

Krajer et al, Cathet and Cardiovasc Interv 2016

Italian Percutaneous EVAR (IPER) Registry:  
outcomes of 2381 percutaneous femoral access sites' closure for aortic stent-graft

G. Pratesi; M. Barbante; R. Puliti; A. Farighi; W. Dongio;  
P. Biscaglia; A. Impolliti; G. Pratesi on behalf of IPER Registry Collaborators

192 TEVAR/f-bEVAR  
Technical success: 96.9%

2189 EVAR  
Technical success: 96.3%

<table>
<thead>
<tr>
<th>Variable</th>
<th>Fast-track (n=192)</th>
<th>Non-fast track (n=2189)</th>
<th>p</th>
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</thead>
<tbody>
<tr>
<td>Fr device (mean ± SD)</td>
<td>21.3 ± 2.1</td>
<td>16.7 ± 3.4</td>
<td>.03</td>
</tr>
<tr>
<td>Profile &gt; 20 Fr</td>
<td>54 (43.5%)</td>
<td>462 (21.3%)</td>
<td>.001</td>
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<tr>
<td>CIA diameter, mm (mean ± SD)</td>
<td>8.4 ± 1.7</td>
<td>8.2 ± 1.4</td>
<td>.15</td>
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<tr>
<td>CIA &lt; 7 mm</td>
<td>9 (7.2%)</td>
<td>163 (7.2%)</td>
<td>.54</td>
</tr>
<tr>
<td>High-CFA bifurcation</td>
<td>2 (1.6%)</td>
<td>64 (2.8%)</td>
<td>.32</td>
</tr>
<tr>
<td>CIA stenosis &gt;50%</td>
<td>/ Cardiovasc Interv 2015</td>
<td>66 (2.9%)</td>
<td>.16</td>
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</tbody>
</table>

Learning curve in percutaneous access:  
tips and tricks
1. Preoperative evaluation

2. Ultrasound guided puncture

3. Double Proglide technique

4. Progressive closure

5. Post-closure duplex and CT follow-up access sites examination

How to improve outcomes in pEVAR: tips & tricks
Sheath downsizing during complex f/bEVAR

Pledgets with minor bleeding

One Proglide up to 14F femoral access

Proglide economic value:
Single Proglide to close up to 14F

- Total value (cost-savings) due to ProGlide:
  - When 1 ProGlide device is used:
    $992.42 - $295 = $697.42
  - When 2 ProGlide devices are used:
    $992.42 - $590 = $402.42

Expanding pEVAR applicability: toward a 100% percutaneous closure

Expanding pEVAR applicability: obese patient
Expanding pEVAR applicability: calcified common femoral arteries

Conclusions

- Totally percutaneous EVAR/TEVAR using Proglide is a safe and effective operation
- Technical success is multifactorial and appropriate learning curve is crucial
- Tips and tricks are effective in additionally increase applicability and economic value