Abdominal Custom Made Program

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Disclosure

Speaker name:
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I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Travelling fees

I do not have any potential conflict of interest

x
New stentgrafts on the market
What do they promise?

- trackability
- lower profile
- neck 1 cm?
- no neck needed?
Short neck = good neck?

- IFU = 1.5 cm
- ENGAGE registry - 1 cm neck vs. longer neck
- 0% vs 1.3% (n/s) endoleaks
- more type IA endoleaks, reinterventions if you go outside IFU

What constitutes a bad neck?

- length
- tapered shape
- thrombus
- calcium
- angulation
- further degeneration of „healthy looking“ neck

most important failure mode of EVAR

even if there is no endoleak on final angio
Chimneys & on table fenestrations

FMG

chEVAS
Where is my sealing zone?

- infrarenal aorta?
- visceral aorta
- renal a.
- double bubble
How should I start with my first fenestrated EVAR?

Find the right patient
Find the right anatomy

Design a custom fenestrated graft
Wait 3 weeks
finding the right patient

finding the right anatomy
Section 4: Stent-Graft & Delivery System Requirements

### Bifurcated Main Body Specifications:  

<table>
<thead>
<tr>
<th>Segment</th>
<th>Diameter (mm)</th>
<th>Custom Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aortic</td>
<td>80</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>120</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 mm</td>
<td>28 mm</td>
</tr>
<tr>
<td></td>
<td>22 mm</td>
<td>30 mm</td>
</tr>
<tr>
<td></td>
<td>24 mm</td>
<td>33 mm</td>
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<td>26 mm</td>
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<tr>
<td></td>
<td>28 mm</td>
<td></td>
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<tr>
<td></td>
<td>30 mm</td>
<td></td>
</tr>
<tr>
<td>Ipsi-Limb</td>
<td>60 mm</td>
<td></td>
</tr>
<tr>
<td>Contra-Limb</td>
<td>30 mm</td>
<td></td>
</tr>
</tbody>
</table>

### Proximal Cuff Specifications:  

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Custom Length (mm)</th>
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</thead>
<tbody>
<tr>
<td>40 mm</td>
<td>55 mm</td>
</tr>
<tr>
<td>55 mm</td>
<td>70 mm</td>
</tr>
<tr>
<td>Custom Length</td>
<td>150 mm (max)</td>
</tr>
</tbody>
</table>

### Leg Extension Specifications:  

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Proximal diameter (mm)</th>
<th>Distal diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 mm</td>
<td>8 mm</td>
<td>8 mm</td>
</tr>
<tr>
<td>100 mm</td>
<td>10 mm</td>
<td>10 mm</td>
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<tr>
<td>120 mm</td>
<td>12 mm</td>
<td>12 mm</td>
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<tr>
<td>140 mm</td>
<td>14 mm</td>
<td>14 mm</td>
</tr>
<tr>
<td>160 mm</td>
<td>14 mm</td>
<td>14 mm</td>
</tr>
</tbody>
</table>

### Additional Features:  

- **Fenestration**
- Other

**STENT-GRAFT SKETCH** (as required):  

1. THE UNDERWRITER MAKE THIS PRESCRIPTION FOR A CUSTOM-MADE DEVICE WITH DESIGNED FEATURES ABOVE

**Date:** 24/07/2014

**Signature:**
- Medical Practitioner's Signature
- Medical Practitioner's Name
- Medical Practitioner's Email
- Medical Doctor's Name
- License Number/Stamp

**BOLTON MEDICAL ESPAÑA SLU**
type III endoleak post previous EVAR
extension with a single scallop

uniiliac graft with a single scallop

Custom Sketch
2 fenestrations & scallop for SMA

Bolton Medical Custom Program
proximal thoracic scalloped graft - zone 0

Bolton Medical Custom Program
tapered ascending aorta stent graft

Imagine it, draw it...
Have it!
Current available designs
- Tapers
- Reverse/Extreme Tapers
- Extreme Lengths
- Scallop
- Single Fenestration

Future available designs
- Double Fenestration
- Double Fenestration w/ Scallop
Thank you for your attention