News from Bentley

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Product Launch History

- 2009: Matrix Exp. (4.5 – 5.0 mm)
- 2010: 2nd Gen.

(Bentley logo on the left corner)
BeGraft
aortic
Stent Graft System
Indication

The “BeGraft Aortic Stent Graft System” is indicated for

• the implantation in the native and/or recurrent coarctation of the aorta (CoA*) on adolescent or adult patients.

• restoring and improving the patency of the iliac arteries**

*) Sizes approved for CoA: Ø 12 - 16mm in lengths of 19 - 49mm, Ø 18 + 20mm in lengths of 28 – 48mm and Ø 22 + 24mm in lengths of 37 + 47mm.

**) Sizes approved for iliac arteries: Ø 12 - 16mm in lengths of 28 – 59mm.
## Product Matrix

<table>
<thead>
<tr>
<th>Stent Design</th>
<th>Introcer Sheath Compatibility</th>
<th>BeGraft Aortic Stent Graft System</th>
<th>Shaft Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ø [mm] 19</td>
<td>~ 28*</td>
</tr>
<tr>
<td>SV Ø12 &amp; 14 mm</td>
<td>9F</td>
<td>12.0 X</td>
<td>X</td>
</tr>
<tr>
<td>MV Ø16 &amp; 18 mm</td>
<td>11F</td>
<td>14.0 X</td>
<td>X</td>
</tr>
<tr>
<td>LV Ø20 &amp; 24 mm</td>
<td>14F</td>
<td>16.0 X</td>
<td>X</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18.0 X</td>
<td>X</td>
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<td></td>
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<td>20.0 X</td>
<td>X</td>
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<td></td>
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<td>22.0 X</td>
<td>X</td>
</tr>
<tr>
<td></td>
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<td>24.0 X</td>
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</tr>
</tbody>
</table>
Post-Dilation

The foreshortening when post-dilating depends on:
- Balloon sizes (Ø, length)
- Balloon material
- the steps made for post dilation, i.e. Ø12mm directly to 20mm or Ø12mm to 16mm to 20mm.
Performance Comparison
3-Point Bending Test

Expanded Configuration [N],
n=5

V12LD Ø12x59mm: 1.7
BGA Ø12x59mm: 1.5

Expanded Configuration [N],
n=5

CCP Ø24x45mm: 4.2
BGA Ø24x48mm: 3.3
Performance Comparison
Radial Force (Circumferential)

Radial Force [N/mm], n=5

V12LD Ø12x59mm: 1.4
BGA Ø12x59mm: 3.0

Radial Force [N/mm], n=5

CCP Ø24x45mm: 0.80
BGA Ø24x48mm: 1.35
Features of BeGraft aortic

- Premounted
- Low Foreshortening
- Low Profile
- High Flexibility
- Adaptable to patients anatomy
Indications

The BeGraft peripheral Stent Graft System is indicated for intraluminal chronic placement in iliac and renal arteries for:

- Restoring and improving the patency
- Treating aneurysms, acute perforations, acute ruptures and fistulas
Kink behaviour

BeGraft Peripheral  Competitor A  Competitor B