BeGraft in fenestrated Stentgrafts

Johannes Kalder
LINC 2017
Disclosure

• Consultant of Bentley Innomed
• Consultant of Vascutek
• Consultant of Cook
## Technical details

<table>
<thead>
<tr>
<th>Catalogue Number</th>
<th>Nominal Stent Graft Length</th>
<th>Expanded Stent Graft Diameter</th>
<th>Introducer Sheath Size</th>
<th>Usable Catheter Length</th>
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BeGraft
Anatomic target vessel changes in F/BEVAR

How does FEVAR or BEVAR changes the vessels anatomy

• Main devices
  - 42 F/BEVAR procedures
  - 19 Cook und 23 Vascutek

• Sidearm devices N=113:
  - 7 BeGrafts (NA)
  - 90 Atrium V12 Stents
  - 16 Fluency

CT synchronisation prä/post intervention
Anastomic vessel shift at the ostium
Vessel shift distal to the target vessel stentgraft
Follow-up in FEVAR

In complex kinking the BeGraft respects the anatomy over time

11/2013

03/2016

28 Monate
Follow-up in FEVAR

28 BeGrafts

16 FEVAR Devices in 16 Patients
  5 with Anaconda
  7 with Cook

≥ 2 years follow up
Follow-up in FEVAR

In complex kinking the BeGraft respects the anatomy over time

11/2013

03/2016

28 Monate
Follow-up in FEVAR

In complex kinking the BeGraft respects the anatomy over time

![Graph showing vessel deviation behind the stent over time](chart)

- post OP
- 1 year
- ≥ 2 years

Vessel deviation behind the stent°
Follow-up in FEVAR

In complex kinking the BeGraft respects the anatomy over time

12/2015  B:A = Inner curve shortening in %  04/2016

12/2015  04/2016

A
B

5 Monate
Follow-up in FEVAR

In complex kinking the BeGraft respects the anatomy over time.

**Inner curve shortening in %**

-8%
Follow-up in FEVAR Anaconda (JET 2016)

37 implanted BeGrafts in Fenestrated Anaconda since 2014
- 24 in renal arteries
- 9 in SMA
- 4 in CT

• Mean follow up mean 12 month:
  - 36 Stent are open (97%)
  - No Stenosis
  - 1 occlusion in 4 mm renal vessel
  - 1 stent fracture between technical induced during procedure not stent related, solved by a second procedure.
Conclusion

• BeGraft in FEVAR with good short term results.

• BeGraft peripheral respects the vessel anatomie over time.
Begraft Aortic and peripheral in combination
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