

BeGraft Study for Fenestrated Grafting

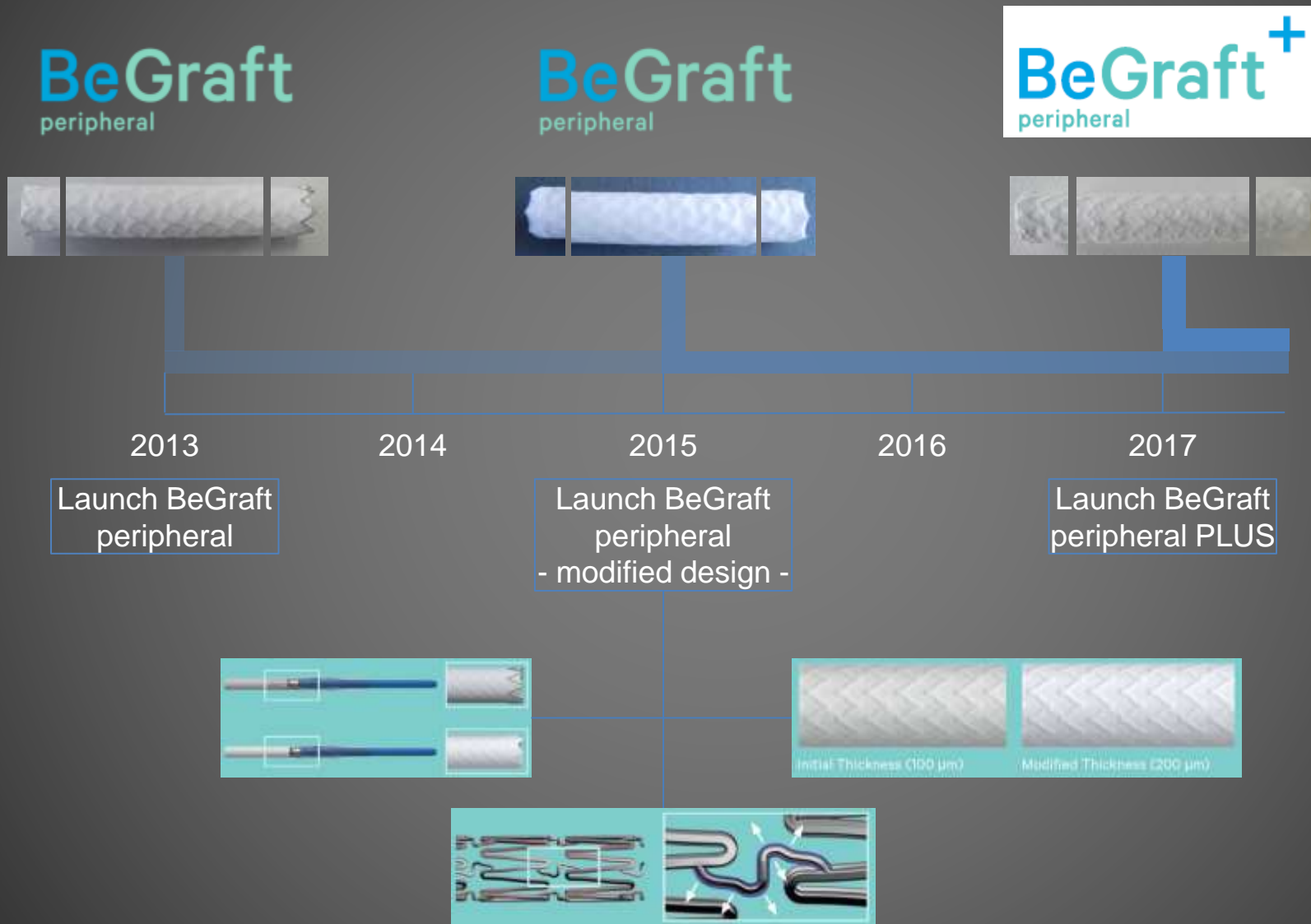


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Disclosures

- Bentley
 - Part of “Early Launch” Group of the BeGraft PLUS
 - Consultant
- William Cook Europe/Cook Inc.
 - Consultant & Research Grants
- Getinge
 - Consultant

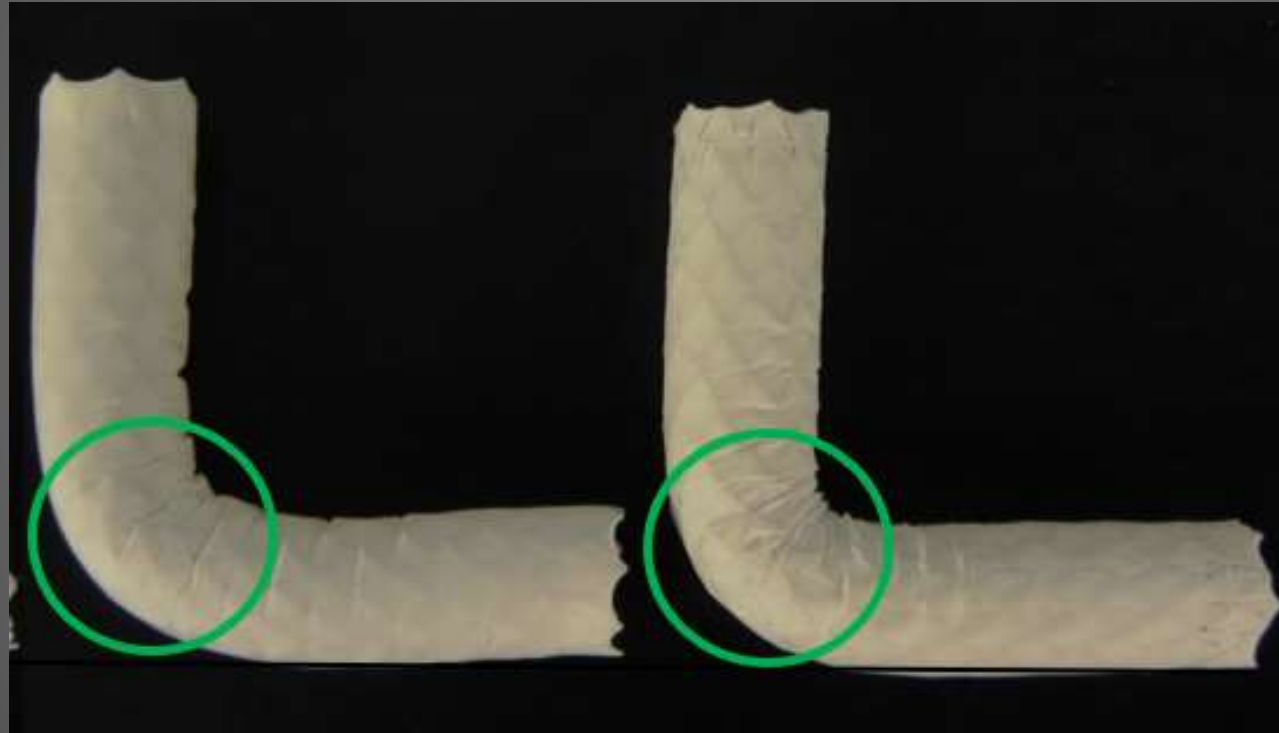
Timelines BeGraft peripheral



Lay-Out

- Why BeGraft?
 - First Impression (tactile)
 - Testing by the Company
 - First Clinical Experience & Logistics

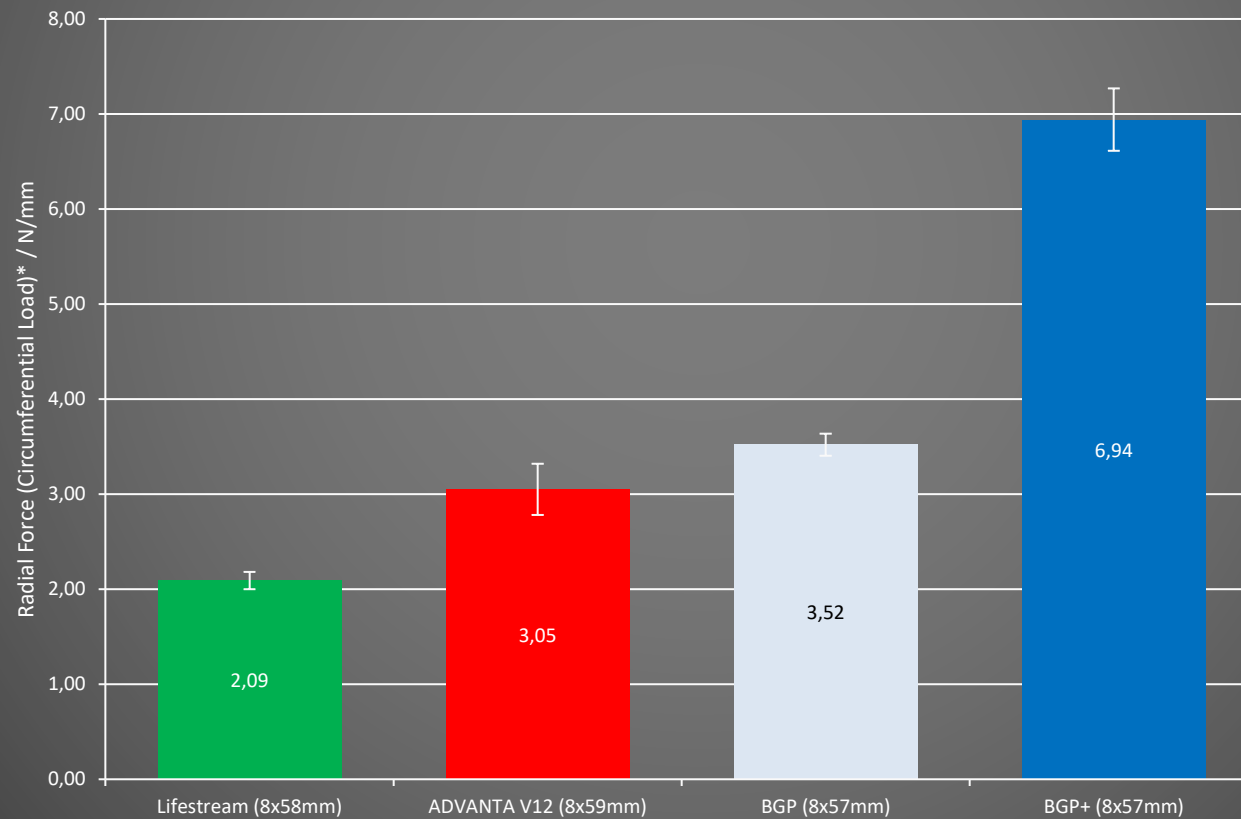
Performance: Kink Resistance



**BeGraft
(8x57mm)**

**BeGraft PLUS
(8x57mm)**

Performance: Radial Force (Circumferential Load)



Clinical Experience & Logistics

- BeGraft in Fenestrations
 - Visibility++
 - Available in all diameters and lengths
 - Lengths: 22/23, 27/28, 37, 57

Problem

- All Bridging Stentgrafts in FEVAR are OFF-LABEL

Study

- Purpose: provide an on-label indication for use of the BeGraft in fenestrations
- Physician-Initiated Trial Investigating the BeGraft Stent Graft System as bridging stent in FEVAR for complex aortic aneurysms

Trial Design

- Prospective, single arm, multi-center, clinical study
- 8 Clinical Centres in Germany
Nürnberg (Verhoeven) / Münster (Austermann) / Munich (Tsilimparis) /
Regensburg (Pfister) / Aachen (Kotelis) / Stuttgart (Geisbüsch) /
Gießen (Kalder) / Tübingen (Lescan)
- 100 Patients (expected: about 250 BeGrafts)

Objective

- To evaluate the **safety** and **performance** of the **BeGraft** balloon expandable covered stent Graft System (Bentley Innomed, Hechingen, Germany) implanted as bridging stent in **FEVAR** (fenestrated endovascular aortic repair) for complex aortic aneurysms

Primary Endpoints

- Efficacy endpoint
 - a. Technical success, defined as successful introduction and deployment of the BeGraft
 - b. Bridging stent patency at 12 months, defined as absence of restenosis ($\geq 50\%$ stenosis) or sole target vessel occlusion based on CT Angio at 12 months
- Safety endpoint
 - Absence of procedure related complications and bridging stent related endoleaks at 12 months.

Secondary Endpoints

1. Bridging stent patency post-op and at 6-months
2. Freedom from bridging stent related endoleaks post-op and at 6 months
3. Freedom from bridging stent related secondary intervention
4. Freedom from type I & III endoleaks post procedure and at 6 and 12 months
5. 30-day mortality
6. Freedom from stent graft migration, freedom of fracture or dislocation of bridging stent.
7. Freedom from AAA diameter increase at 6 and 12 months as compared to post-op implantation
8. Freedom from aneurysm related secondary endovascular procedures
9. Freedom from conversion to open surgical repair post procedure and at 6 and 12 months
10. Freedom from aneurysm related mortality post procedure and at 6 and 12 months
11. Freedom from aneurysm rupture within 12 months post-implantation
12. Freedom from any major adverse events post procedural and at 6 and 12 months
13. Health Related Quality of Life scores at 12 months post implantation

Conclusions

- Bentley is the first Medical Company to support a physician-initiated trial to finally achieve on-label indication for a covered stent in FEVAR
- Studies:
 - BeGraft Study in BEVAR has already started
 - Begraft Study in FEVAR is about to start