

Disclosure

- William Cook Europe/Cook Inc.
 Consultant & Research Grants
- Getinge
- Consultant
- Bentley
- Part of "Early Launch" Group of the BeGraft PLUS
- PI of the on-label study BeGraft in FEVAR
- Consultant

Advanta V12-ICAST (Getinge)

- For more than 15 years, the Advanta V12 balloon expandable covered stent has been trusted by physicians for its proven and reliable outcomes
- Available lengths: 22, 32, 38, 59mm
- Profile: 7F

| 5-year data o stents ¹ | emonstrating superio | so publications* | |
|--------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| 5-year data o stents ¹ | emonstrating superio | or natency over h | |
| | | | are metal |
| | Open-cell startt design provides flexibility for delivery and placement | Strut and connect engineered to provi nelevant radial s | tor design de clinically trongth |
| | Const . | 11110 | |
| Full encapedate | | | Pre-mountation a |
| with PTFE offers effective barrier recentional hyperpi | en Radiopa mia ^s enhan | que markers ce visibility | non-compliant balloon enables predictable expansion? |

.ow profile — 6F & 7F compatibility offers versatility and efficient. Helivery in complex endowascular procedures Ability to post-dilate — Allows a customized solution ovarious anatomy'

Evolution Advanta V12-ICAST (Getinge) New open cell stent design/Crimping Process on Balloon







Increased flexibility

Greater radial strength

Lower recoil Lower crossing profile

Higher stent retention Smooth inner surface



• TAAA: N=426

- Advanta V12: N=1202 (76.3%)
- Pararenal: N=582
- Advanta V12: N= 1258 (92.3%)
 IBD: N= 130 (154 IBDs)
- Advanta V12: N=123 (76.6%)

Total Advanta V12: 2583/3104 (83.2%)





| Target Vessel Patency Renal Arteries | | | | | | | | | | |
|-----------------------------------------|-------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| id Patency | Targeted Renal Arteries | - Tessizion Rasch | <u>Fenestrations</u> 99.5 ± 0.2% at 1 year 98.5 ± 0.4% at 5 years * 98.2 ± 0.5% at 8 years * | | | | | | | |
| Estimate | 24 22 24 1 21 24 34 46 60 72 84 56 316 320 Follow-Up Months | - | <u>Branches</u> 93.4 ± 2.6% at 1 year 83.5 ± 4.3% at 5 years * 77.3 ± 5.9% at 8 years * | | | | | | | |
| | | | P<0.001* | | | | | | | |

BeGraft and BeGraft PLUS (Bentley)

- Clear interest in development of dedicated covered stents for Fenestrations and Branches
- Factory in Germany
- Reliable Logistics/Large Variety of Lengths

BeGraft and BeGraft PLUS (Bentley)

- BeGraft in Fenestrations

 Available in all diameters and lengths
 Lengths: 22/23, <u>27/28</u>, 37, 57
 GF compatible
- BeGraft PLUS in Branches

 High radial force, kink-resistant and flexible

– 7F compatible



BeGraft & BeGraft PLUS Nuremberg Experience (2017-2024): N=1548

(Paper accepted by EJVES)

| • BeGraft: N= | 669 • | BeGraft Plus: | N= 332 |
|----------------------------------------|-------|--------------------|--------|
| - F/BEVAR: | | | 248 |
| – IBD: | | – IBD: | 58 |
| – F/B Arch: | 11 | – F/B Arch: | |
| Other indications: | 32 | – Other indication | ns: 17 |







Trial Design

- Prospective, single arm, multi-center, clinical study
- 9 Clinical Centres in Germany Nürnberg (Verhoeven) / Münster (Austermann) / Munich (Tsilimparis) / Regensburg (Pfister) / Aachen (Kotelis) / Stuttgart (Geisbüsch) / Gießen (Kalder) / Freiburg (Czerny) / Hamburg (Kölbel)
- 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
- Bridging stent patency at 12 months, defined as absence of restenosis (≥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.

Results

- Inclusion: Q1/2021-Q3/2023: N=103
- Patients: 90% male, mean age 72 (52-92)
- ASA III/IV: 82%
- Cook Fenestrated grafts: 86%
- 350 Vessels with BeGrafts (almost all 3x-4xFEVAR)
 Deployment Issues: 1.14%



- Overall Mortality: N = 13 (13%)
 Surgical Mortality: N = 1 (0.97%)
 Died at day 25 due to MOF
- SAE: N = 75
 - Related to the device: N = 2
 Related to the procedure: N = 25

| Occlusions per Patient | Patients (n) | | | |
|------------------------|--------------|--|--|--|
| 80 2 (2.44%)* | | | | |

| | 1-Year Results: Prin | na | ry | E | nd | lpc | oin [.] | ts | | | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----|-----|----|-------------------------------------------|------------------|-----|--------|-----|----|
| • | Efficacy endpoint a. Technical success: 97.4% (337/346) b. Bridging stent patency: 99.3% | 100 | 0 | 3 | | 9 ti Moriha | | i i | - | ~ | |
| • | Safety endpoint | | | | | | | | | | |
| | Absence of procedure related complica SAE related to bridging procedure: N=13 SAE with relation to bridging stent: N=4 Absence of bridging stent related endol | tion eak | is: | 99. | 6% | 10 12 12 12 12 12 12 12 12 12 12 12 12 12 | 3 | 4 | Northe | ų i | 18 |

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- Fenestrations: BeGraft and Advanta V12 both EXCELLENT
- Branches: BeGraft PLUS seems superior to Advanta V12
 Overall, if compared, both have smaller advantages/disadvantages
- BeGraft now officially the first bridging stentgraft to achieve on-label indication in FEVAR.