Advanta V12 FEVAR and BEVAR Long-Term Data

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Disclosures

- Cook: Consultant, Speaker, Research Grants
- Maquet Getinge: Consultant, Speaker
- Bentley: Consultant, Speaker
• Literature (Bridging stents in F/BEVAR)

• Advanta V12
  – Nuremberg Experience

• Imaging Study Advanta V12 Groningen/Nürnberg
  – Paper submitted
Cleveland Clinic Experience

Durability of branches in branched and fenestrated endografts

Tara M. Mastracci, MD, Roy K. Greenberg, MD, Matthew J. Eagleton, MD, and Adrian V. Hernandez, PhD, Cleveland, Ohio

• 650 pts with FEVAR/BEVAR
  – Mean F/U: 3 ± 2.3 years (range: 1-9 years)

• Reintervention for
  – CA: 0.6%, SMA: 4%, Renal arteries: 5.5%

• Branch related mortality: n=3 (0.46%)
  – All three due to mesenteric ischemia
Branches in FEVAR/BEVAR are Durable and Rarely the Cause of Patient Death
Fenestrations or Branches for Renal Arteries in TAAAB grafting?

- 449 pts (235 BEVAR, 214 FEVAR)

Mid-term Outcomes of Renal Branches Versus Renal Fenestrations for Thoraco-abdominal Aneurysm Repair

T. Martin-Gonzalez a, T. Mastracci b, T. Carrell c, J. Constantinou b, N. Dias d, A. Katsaryris e, B. Modarai c, T. Resch d, E. Verhoeven e, S. Haulon a,*

Eur J Vasc Endovasc Surg (2016) 52, 141—148
Fenestrations or Branches for Renal Arteries in TAAAB grafting?

Fenestrations significantly better patency rates!

Branches significantly higher instability (occlusion/reintervention)
Advanta V12 (Getinge)

- Covered Balloon-Expandable Stent
- **Indication**: restoring and improving the patency of iliac and renal arteries
- **Off-Label Use in F/B-EVAR**
Updated Nuremberg Experience (2010-2020)

- **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%)**
Advanta V12 Patency
(N=2453)*

97.6 ± 0.4% at 1 year
94.2 ± 0.7% at 5 years

*IBD Excluded
Advanta V12 Patency (N=2453)

- **Fenestrations**
  - $98.6 \pm 0.5\%$ at 1 year
  - $95.1 \pm 1.2\%$ at 5 years

- **Branches**
  - $96.5 \pm 0.7\%$ at 1 year
  - $90.8 \pm 1.4\%$ at 5 years

$P<0.001^*$
Discussion

• Advanta V12 used as Bridging stent-graft
  – High Durability
    • Fenestrations better than branches?
  – Excellent patency rates!
  – Excellent handling and flaring!

• Imaging Study Groningen/Nürnberg
  • initiated by Prof JP de Vries
Patient #2

- 61 YO Male Pt
- 3xFEVAR
  - RRA: Advanta 6x22
  - LRA: Advanta 7x22
  - SMA: Advanta 8x38 + 8x40 SE
RRA & LRA

1 Month          4 Years
Conclusion

• Advanta V12 BE Covered Stent works well in F/BEVAR
  – In Fenestrations 95%
  – In Branches 90%

• Interest in bridging stentgrafts increases

• Competition is open!
  – BeGraft and BeGraft PLUS (on-label studies pending)
  – Viabahn VBX