Early Experience with 2nd Generation Bentley BeGraft During FEVAR

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Disclosure

Speaker name:

...Hertault Adrien....................................................................

I have the following potential conflicts of interest to report:

- Consulting: GE Healthcare
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s): Bentley InnoMed GmbH

- I do not have any potential conflict of interest
Delivery System

20 Fr
7Fr x2
5Fr x2
Preloaded Delivery System

Single wire throught 2 fen

6Fr x2 In the delivery system
PRELOADED RENALS

- Only compatible with 6fr-90cm sheaths
- **Bentley BeGraft** only option if required bridging stents
  - >6mm diameter
  - >22mm length
BeGraft Peripheral Stent Graft System

Design Changes

Increase of the stent connectors by 20%

Modified Design

Initial Design

Increased wall thickness of ePTFE cover material

Wall thickness approx. 200 µm

Wall thickness approx. 100 µm

Compatible with bridging stent properties
Controlled Delivery

Easy Flare
VISCERAL ARTERIES
SMA / CELIAC TRUNK

- Large target vessels
- Short common trunk
Need for large stents with short lengths (27-28mm) & No shortening
10mm CT – Early Bifurcation
CT: BeGraft 9*27

SMA: BeGraft 9*27

RRA: BeGraft 7*23

LRA: BeGraft 7*23
3D-CT
Lille Experience – Results Update
FEVAR Exclusively

• Inclusion since November 2015
• 39 patients, 150 fenestrations
• 101 BeGrafts:
  – 46 in renal arteries
  – 55 in visceral arteries
Lille Experience – Results Update
FEVAR Exclusively

• Early bilateral renal occlusion (dissection + kidney hematoma) - One patient (2.6%)
• No early occlusion/stenosis in 38 patients (97.3%)
• No Fracture / No type III endoleak
CONCLUSIONS

- Low profile (6F compatibility up to 8mm)
- High flexibility Easy to track through tortuous anatomies
- Low foreshortening
- Length of 27/28mm – ideal for most fenestrations
- Favorable early results
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