What Branch Stents-Grafts And Techniques Should Be Used For Parallel (Sandwich) Grafts To Revascularize Hypogastric Arteries: When Are Such Grafts The Only Way to Do So Because IBDs Won’t Work

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DISCLOSURE

• IP owner:
  – HQS
  – Xcath
  – USD
  – Twister
  – Dilatulip

• Vascular Mind owner:
  incubator of innovative technologies

No support from industry

Internal Iliac Nightmare

Internal iliac exclusion is a predicting factor of Colic and Pelvic ischemia

Mialhe C., Becquemin JP et al, ESVS meeting, 1997

Limiting Factors for Iliac Bifurcation Devices

• Sizing in diameter and length
• Cross over contrainsts and visibility
• Integrated into a specific bifurcation device
• Limited use to primary iliac procedure

Internal Iliac Saving Procedures

• Viabahn x 2 / cross over: 4
• Viabahn x 2 / brachial app.: 3
• Viabahn + BeGrafts / brachial app.: 21

ILIAC SANDWICH SERIE

28 procedures
(february 2015 – october 2018)

Mean F.U.: 10+/-8 months
Viabahn x2 / cross over: 4

- Cross over >>> Controlateral projection
- Unclear identification of the top ends of Viabhan
- Internal iliac stent occlusion: 1
- Leak / graft deconnection: 1

Viabahn x2 / brachial App: 3

- Brachial >>> Center line projection
- Unclear identification of the top ends of Viabhan
- External iliac stent occlusion: 1
- Internal iliac stent occlusion: 2

Viabahn / BeGrafts: 21

- BeGraft Brachial App. >>> Center line projection
- Viabahn Femoral Retrograde App.
- Clear identification of the top ends of Viabahn and Be Graft

Technique

Results

Leak correction:

- Viabahn / BeGraft: 21
  - Embolisation: 1
  - Translumbar embolisation: 2

Viabahn / BeGrafts: 21

- External / Internal stent occlusion: 0
- Leak / Gutter: 3

Leak prevention:

- Viabahn / BeGrafts: 21
  - Cross over catheter proliscation for large sack embolisation
Conclusion

- Combined SE / BE grafts: preferred option for common iliac sandwich when IBD is not indicated
- Brachial approach: preferred access for Internal Iliac
- Versatile procedure / Optimal patency rate
- Leakage issue / oversizing to be determined