Session: EVAR outside IFU

Fenestrated Endovascular Aortic Grafts are still the Best and most Durable solution

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- William Cook Europe/Cook Inc.
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- Medtronic
  - Consulting
- Atrium
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- Siemens
  - Consulting
Options in “short” Neck AAA

- Standard EVAR
  - Existing grafts
  - New concepts
  - With Adjunct: Aptus stapler
- Open Surgery
- Fenestrated EVAR
- Chimney techniques
Standard EVAR outside IFU Evidence?

- ↓ Number of studies
  - ↓ Number of pts
  - Not only “short”
  - ↓ Follow-up

- ↓ Statistical Methodology
- Role on the Podium?
Additional Worry
Progression of Disease...
Proximal Neck: Extension of Disease
Open vs F-EVAR vs Ch-EVAR
Cumulative Results for JAA

Comparison of Outcomes With Open, Fenestrated, and Chimney Graft Repair of Juxtarenal Aneurysms: Are We Ready for a Paradigm Shift?

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Open vs F-EVAR vs Ch-EVAR
Cumulative Results for JAA

• Open: report on target vessel patency lacking

• Ch-EVAR vs. F-EVAR
  – Patency target vessels similar
  – More Type I endoleaks
  – Higher stroke rate (5-7%)
Clinical Research

The Chimney Technique in Endovascular Aortic Aneurysm Repair: Late Ruptures After Successful Single Renal Chimney Stent Grafts

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Fenestrated EVAR

- Achieve sealing above a short or absent neck
  - Create a long neck!
- Position of (first) sealing stent(s)
  - better portion aorta
  - completely in neck

Turn a short/no neck into a long neck...
Results Summary

• Follow-up up to 10 years
• Early mortality: 1-2%
• Target vessel patency at 5 years: 85-95%
• Dialysis during follow-up: < 2%
• Decrease of renal function: 10-15%
• Very few endoleaks type I

Options in “short” Neck AAA
Conclusions

• Standard EVAR in very short necks
  – Existing grafts: NO...
  – New concepts: to be proven....
  – With Adjunct: Aptus stapler: to be proven....

• Open Surgery in very short necks: good risk pts...

• Fenestrated EVAR: alternative to open, especially in high risk patients...

• Chimney techniques: to be proven, therefore only as bail-out and in acute patients, or in specific anatomies
Balancing the options for each individual patient...