Use Of Aortic Branch Balloons To Better Align Fenestrations With The Cook Z-FEN Device

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Early Results of Fenestrated Endovascular Repair of Juxtarenal Aortic Aneurysms in the United Kingdom

- Globalstar Database
  - 318 Patients
  - 14 Centers
- Freedom from target vessel loss
  - 1 year: 93%
  - 2 year: 91%
  - 3 year: 85%

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Mal-Alignment of Fenestration

Sheaths

- Occupy only approximately one sixth of the cross sectional area of a typical renal artery.
- Potential for significant mal-alignment.

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Sheaths versus Balloons
Summary

- Using balloons to align fenestrations is a simple modification to the standard technique.
- Benchtop studies suggest that it appears to improve fenestrations, which may decrease target vessel loss.
- Upward tension during deployment may also be of benefit.