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Parallel Endografts For Aorto-Iliac Lesions: The Good, The Bad And The Ugly: A Balanced View

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Financial Disclosures

None relevant

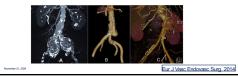
Management of Aortoiliac artery aneurysm

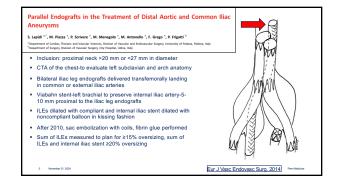
- · SVS guidelines recommend preservation of at least one internal iliac artery (1A)
- Iliac branched devices in patients with suitable anatomy (1A)
- External-internal iliac artery surgical bypass
- Aortouniiliac stent graft (AUI), femoral-femoral bypass, external iliac to internal iliac artery stenting
- Surgeon-modified endografts (Backtable or Laser fenestration)
- Parallel grafting

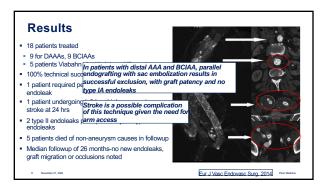
Parallel Endografts in the Treatment of Distal Aortic and Common Iliac Aneurysms

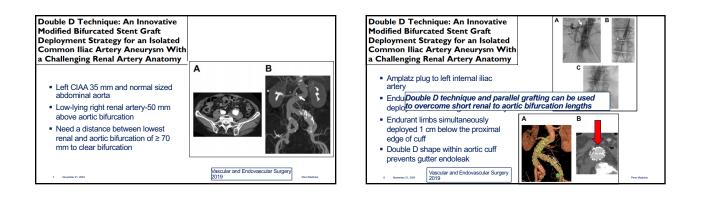
S. Lepidi ^{1,5}, M. Piazza ⁹, P. Scrivere ¹, M. Menegolo ¹, M. Antonello ¹, F. Grego ¹, P. Frigatti ^b ¹Department of Cardiac, Thoracic and Vascular Sciences, Division of Vascular and Endovascular Surgery, University of Padova, Pac ¹Department of Surgery, Division of Vascular Sciences, Division of Vascular and Endovascular Surgery, University of Padova, Pac

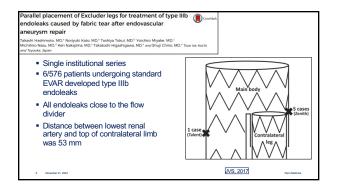
- Distal saccular abdominal aortic aneurysms and bilateral common iliac artery aneurysms Long acritic neck with asymmetric aneurysm expansion, with calcumPAU surrounding saccular aneurysm with concern for incomplete opening of contralateral limb
- Mean aneurysm size was 50 mm in D-AAA and 43 mm in BCIAA

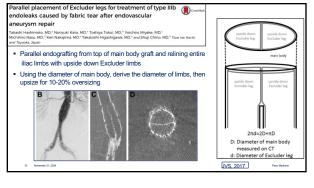


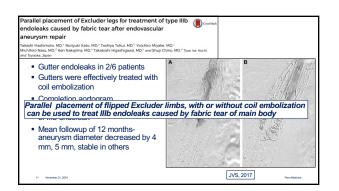


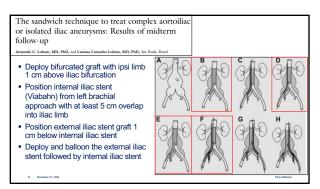








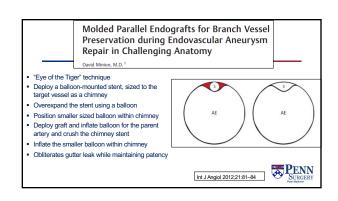


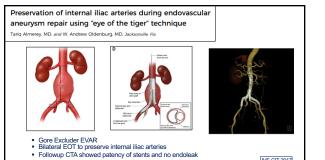


The sandwich technique to treat complex aortoiliac or isolated iliac aneurysms: Results of midterm follow-up C. Lobuto, MD, PhD

- Armando C. Lobato, MD, PhD, and Luciana Camacho-Lobato, MD, PhD, Sie Peule 40 patients, with 48 internal iliac stents placed
- Iliac light extensions of EVAB device. Viababa in internal iliac
 artery "Sandwich technique is a safe and easy technique to perform to treat antroliac antoliac aneurysms"
 Mean buomp reserving monotone
- 100% tochnical success the
 1 ipsili
 There is a finite risk of stent thrombosis from competition procedetween the external and internal iliac stents
- expandable stent relining of external iliac stent
- 3 internal iliac artery occlusions-93.8%
- 3 internal iliac artery occlusions-93.8%
 2 brachial artery occlusions
 4 brachial artery occlusions
 4 to see the sec t
- completion angiography (managed conservatively)

 No endoleaks or occlusion events detected after 12 months of followup





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Conclusions

- There remain challenging anatomic scenarios for standard EVAR or iliac branched endografting i.e. narrow abdominal aorta, short renal to aortic bifurcation, short renal to flow divider of main body iliac bifurcation lengths
- Aortic parallel endografting ("Double D" configuration) can be a useful treatment strategy
- Coil embolization of gutter endoleaks may be needed
- · Parallel endografting for preservation of internal iliac artery Excellent graft patency
- Gutter endoleaks
- Arm access increases risk of stroke
- Sandwich technique
 - High technical success rate
- ÷ Finite risk of internal iliac or external iliac stent occlusion Theoretic risk of gutter endoleak
- Molded parallel endografting ("eye of the tiger") can mitigate gutter endoleak

