ABF For AIOD Has Gone From A Favored Procedure To A Rarity Because Of Endovascular Techniques Including IVF (Shockwave): Options And Indications

Christopher J. Smolock, MD, FSVS, FACS Associate Professor of Surgery Icahn School of Medicine at Mount Sinai Chief of Vascular Surgery, Mount Sinai Queens Mount Sinai Health System

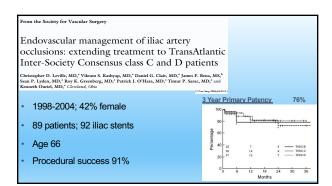


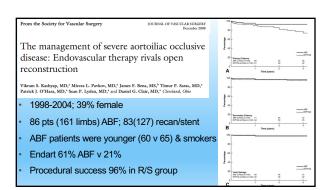
- **Disclosures**
- Getinge Speaking
- Cook Speaking
- Medtronic Aortic Consulting
- Penumbra Research

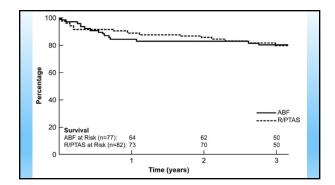


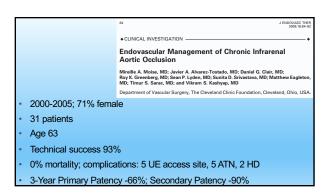
AortoBiFemoral Bypass									
		Patency (%)							
		Ν	Mort.	5y	10y	15y			
de Vries	1997	1429	4.4	86	79	63			
McDaniel Ballard	1997 1998	2689 54	4 1.9	82 93	78	69			
Ohara	2000	380	0	89	94				
Faries Mingoli	2001 2001	370 130	0 4.6	93 81					
Reed	2003	281	1	85					
Hertzer	2007	224	1.2	88	81	71			

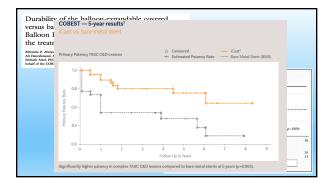
Endovascular Approach for TASC D Lesions									
	Treatment of A Endograft	ortoiliac Occlusive Disease with the Endologix AFX Unibody							
A systematic review of endovascular treesers 7, Similar V, Materia (, C., Snotoci , Z.M. MPJ, Refiner , A.). Dwired ", H.E. Garret, Jr. ,									
extensive aortoiliac occlusive dise Viacent Jongkind, MD, ^{**} George J. M. Akkersdijk, MD, [*] Kak K. Y Wilten Wiselink, MD, [*] Lightfory and Amateriaan, The Neterland	ase	Hypogastric artery luminal diameter predicts common-external iliac stent patency and major adverse limb events in patients with aortoiliac occlusive disease							
Aortoiliac Stenting with Bifurcation Reconstruction for TASC II D Aortoiliac Occlusive Disease Johne II: Bail Vinder R. Bail: StdArth Dak. Jonal Rose, Pathers F. Post- Lerkberg, French J. Gepsel, Son F. Jakel, et al. Charges J. Indexis P. Stodard, Charles Linkens, New Present and Linke New Corelson	Durability of the balloon-c versus bare-metal stents in Balloon Expandable Stent the treatment of avortolliac Brooks 7, Metager, Midd (Jog), PS, 166, 199 Nobal Act, DN, PEC, Mach Gerwenk, BW Nobal Act, DN, PEC, Mach Gerwenk, BW	the Covered versus Trial COBBET See oct A comparison of covered vs bare expandable stents for the treatment of aortoiliac occlusive disease							
Outcomes of Hypogastric Coverage and the State									
Endovascular Treatment for Extensive Aortoiliac Arter Reconstruction: A Single-Center Experience Based on 1712 Interventions	isease	Endovascular management of iliac artery occlusions: extending treatment to TransAtlanti							
Babardine fürst 60 ⁻⁵ , Hone Knethandrog, MDT, Charletter Millione, MDT, Mathiais Kaspen, MDT, Thata Tolkov, MDV, Alsonike Alterna, MDT, Yanas Resteriout, MDT, Robard Masharsina, MDT, Franz-Josef Manarasa, MDT and Thamasa Zater, MDT ¹ Dispatrument of Angolisop, Hanet Costers Bat Kontogen, Germany, ¹ Dispatrumentari University Contexp, Hambarg, Germany, ¹ Dispatrumentari, Josef Tablang, Germany, ¹ Dispatrumentari, ¹ Dispatrumen	Driscoll, Levester Kirksey, J. o, and Christopher J. Smolo								











ur	1	Vasc	Endovasc	Surg	(2016)	■,	1-11

Treatment of Aortoiliac Occlusive Disease with the Endologix AFX Unibody Endograft

 Maldonado **, G.G. Westin *, O. Jazaeri ^b, M. Mewissen ^c, M.M.P.J. Reijnen ^d, A.J. Dwivedi ^a, H.E. Garrett, Jr. ^r, A. Dias Perera ^a, T. Shimshak ^b, V. Mantese ¹, C.J. Smolock ¹, Z.M. Arthurs ^k

Multi-institution, 90 patie

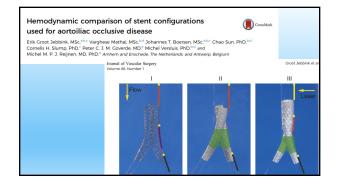
Some concomitant AAA

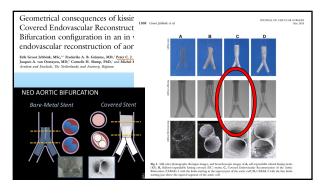
41% percutaneous access; 39% fem endarterectom

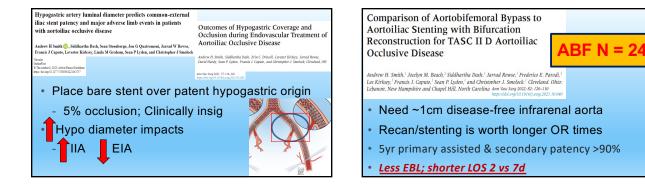
4% procedural ruptu

1% mortality

100% Secondary patency at 3 years.





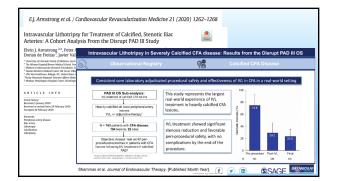




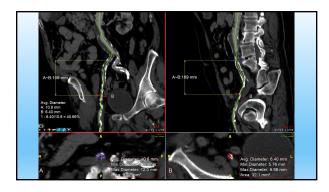
- 5-year primary, -assisted, & secondary patency 78%; 88%; 95.0%
- Previous interventions predict loss of patency
- 100% freedom from amputation; 18% 5-yr mortality

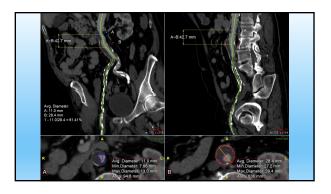
Adjunctive Improvements

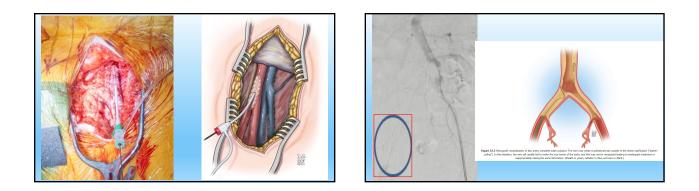
- · A role for iliac Intravascular Lithotripsy
- Iliacs
- Femorals?
- *Development of dedicated devices for bifurcation

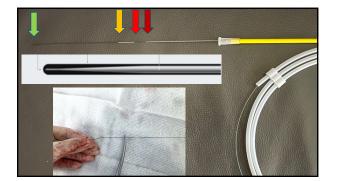


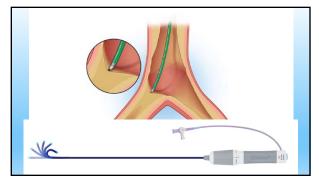


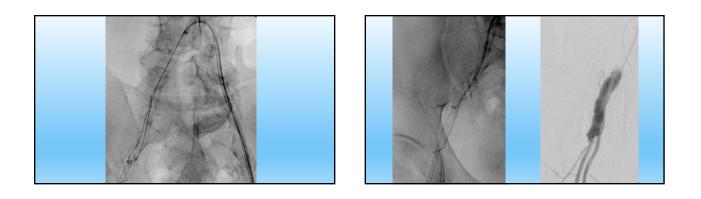


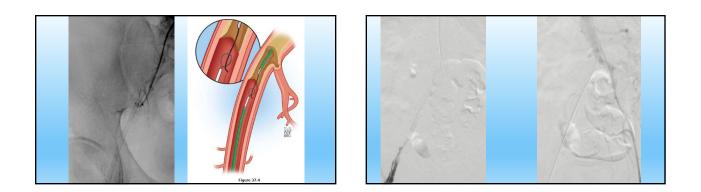


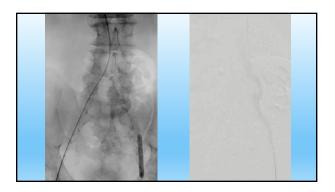


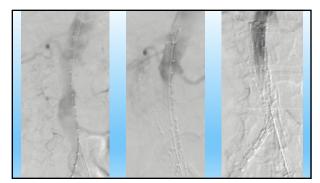




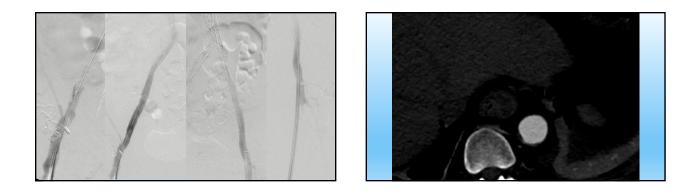


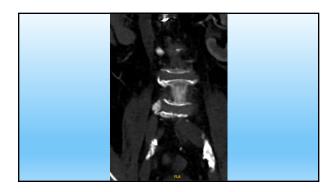












Conclusion

- AortoBiFemoral bypass for flush renal occlusions
- Aortoiliac Recanalization/Stenting rivals ABF
 - Same secondary patency
 - Same long term mortality
 - Same MALE
 - Better patient satisfaction; short LOS
 - No Dacron graft left in groins

