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How To Treat Chronic Flush Juxtarenal Aortic Occlusions Endovascularly With Safety: Endo Is The Way To Go

David Minion, MD
University of Kentucky Medical Center
Lexington, Kentucky, USA




Disclosures

- None


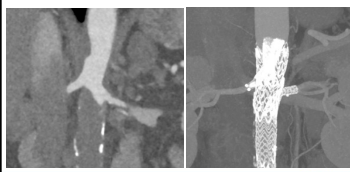


Long-Term Outcomes of the Covered Endovascular Reconstruction of the Aortic Bifurcation (CERAB) Technique in Patients With Aorto-iliac Occlusive Disease


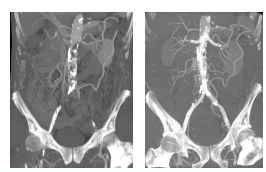
- 5 year follow up in *de novo* anatomy
 - Primary patency = 85.1%
 - Assisted primary patency = 94.4%
 - Secondary patency = 96.9%
- 30 Day Mortality = 1.3%




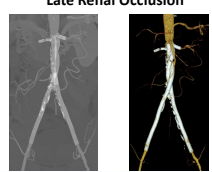
CERAB for Chronic Flush Juxtarenal Aortic Occlusion?

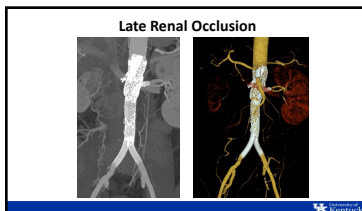


Parallel Grafts for Chronic Flush Juxtarenal Aortic Occlusion?



Late Renal Occlusion





Lysis And Covered Endovascular Reconstruction of the Aortic Bifurcation

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Lysis And Covered Endovascular Reconstruction of the Aortic Bifurcation

“La CERAB”

University of Kentucky

Lysis For Chronic Aortic Occlusions?


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Endovascular Management of Chronic Infrarenal Aortic Occlusion

- Single Center Study (CCF), 31 Patients
- 9 Patients Treated with Adjuvant Thrombolysis
 - Mean 34.5 hours (range 12-66)
 - No complete resolution, but flow channel achieved in all 9 cases.
 - Lysis enabled safe performance of additional endovascular procedures.

Morice, et al. J Endovasc Ther 2009;16:84-93

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Not Your Typical Thrombus

Juxtarenal Aortic Thrombus Does Not Lead To Luminal Atresia

Instead, Remains in a Gel-Like State

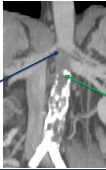
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Chronic Aortic Occlusion

- 54 yo male presents to OSH with longstanding claudication and pancreatitis.
- Remote h/o bilateral iliac stents
- CTA shows juxtarenal occlusion.
- Seen as outpatient referral 5 months later, now with gangrene of left foot and ischemic ulcer of right calf.
- Lysis performed 6 months after initial CT scan.

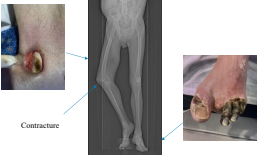
Chronic Flush Juxtarenal Aortic Occlusion



Start of Occlusion

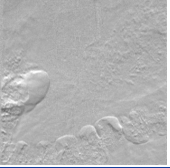
Start of Atherosclerosis

Pre-Op Findings




Contracture


Chronic Flush Juxtarenal Aortic Occlusion



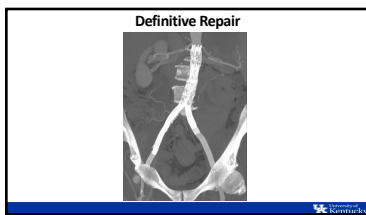
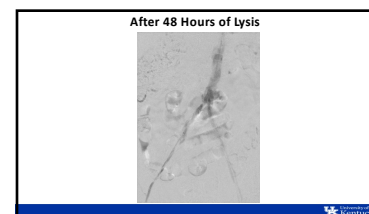
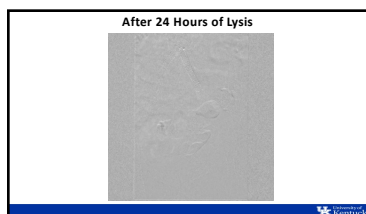
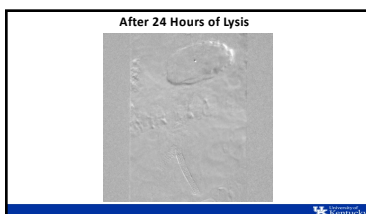
Chronic Flush Juxtarenal Aortic Occlusion



Chronic Flush Juxtarenal Aortic Occlusion



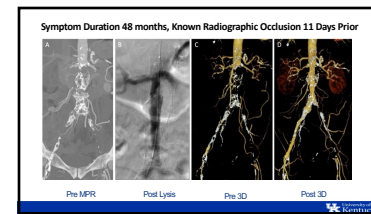
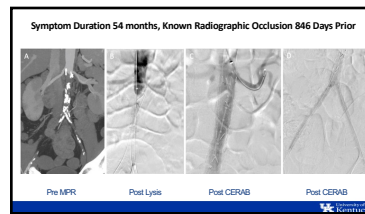
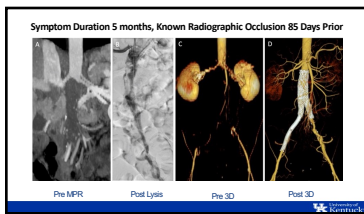
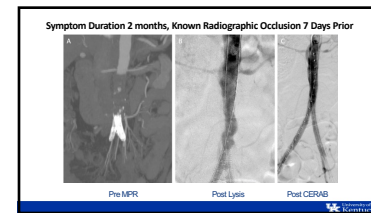
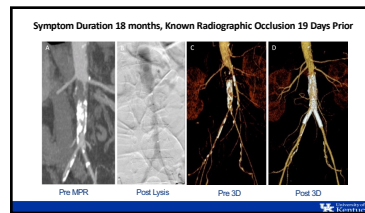
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Lysis and covered endovascular reconstruction of the aortic bifurcation (LA CERAB) technique for chronic juxtarenal aortic occlusions

- Six patients
 - Duration of symptoms prior to thrombolysis: 2 to 54 months (average 23 months)
 - Radiographic confirmation of occlusion prior to thrombolysis: 7 to 846 days (average 190 days)
- Outcomes
 - 100% technical success
 - No major perioperative morbidity
 - 100% primary patency at up to 15 months

Milano, DJ. J Cardiovasc Surg 2023;64:389-05



How To Treat Chronic Flush Juxtarenal Aortic Occlusions Endovascularly With Safety

How To Treat Chronic Flush Juxtarenal Aortic Occlusions Endovascularly With **Safety**

- NSQIP 30-Day Mortality
 - CPT 35646 (ABF Bypass) = 5.2%
 - CPT 37221 (Iliac Stent) = 1.6%

Endo Is The Way To Go!

Viva La CERAB!

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