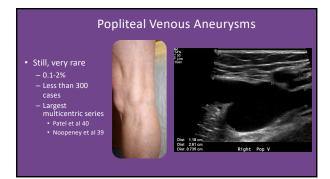
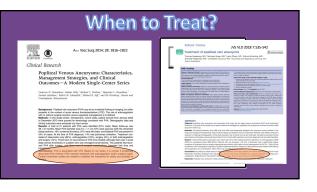


Disclosures							
Speaking fees WL Gore							





When to Treat?

Observation or AC for small PA's or in elderly patients

Surgery if High Risk for Embolism Symptomatic Size > 2 or 2.5 cms Turbulent flow Saccular Thrombus (>25%)



How to Treat? • Surgical options: - Aneurysmectomy with lateral venorraphy - Plication (open or closed) - Resection with end-to-end anastomosis - Bypass using for conduit • Internal Jugular Vein • Saphenous panel or spiral

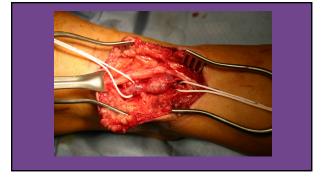
How to Treat?

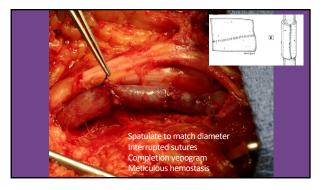
- Surgical options: Aneurysmectomy with lateral venorraphy
 - Plication (open or closed)
 - Resection with end-to-end anastomosis

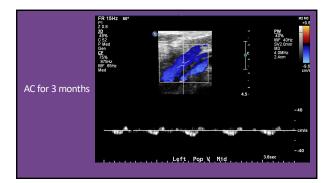
 - Bypass using for conduit
 Internal Jugular Vein
 Saphenous panel or spiral

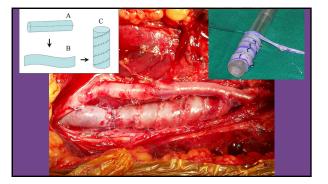


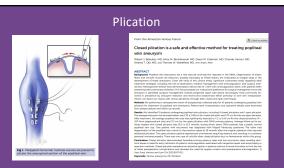


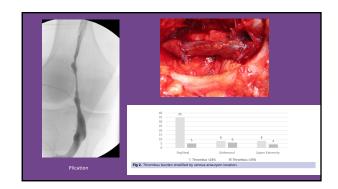










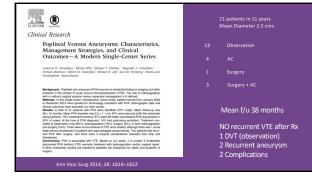


When & How to Treat?

- > 2 or 2.5 cms, turbulent or thrombus
- Bypass > tangential resection or plication
- Conduits include IJV, panel, spiral GSV
- Avoid purse-string effect
- Completion venography and hemostasis
- Short course of anticoagulation

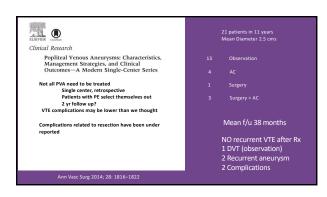


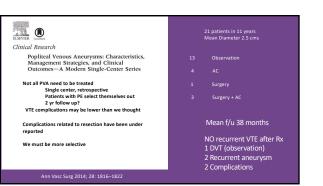




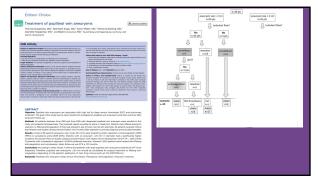


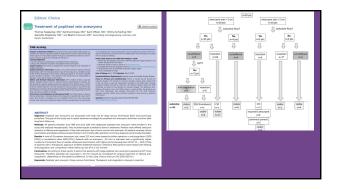


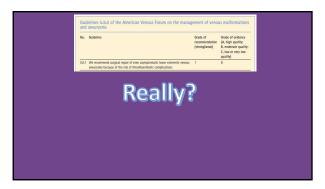


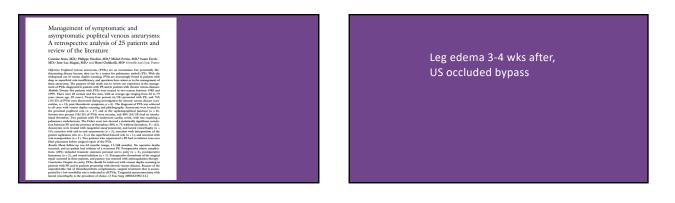














Popliteal Venous Aneurysms

- All should be repaired due to risk for embolism
- Aneurismorraphy vs repair
- Conduits include IJV, panel, spiral GSV
- Avoid purse-string effect
- Completion venography very useful
- Short course of anticoagulation

Conclusions					
Guidelines 5.6.0 of the American Venous Forum on the management of venous malformations and aneurysms					
No.	Guideline	Grade of recommendation (strong/weak)	Grade of evidence (A, high quality: B, moderate quality: C, low or very low quality)		
5.6.1	We recommend surgical repair of even asymptomatic lower extremity venous aneurysms because of the risk of thromboernbolic complications	1	B		
5.6.2	For aneurysms of superficial veins of the arm or leg or of deep veins of the arm we recommend observation unless cosmetic reasons or complications warrant repair	2	В		
5.6.3	For jugular vein aneurysms we recommend observation unless cosmetic reasons or psychological reasons warrant surgical repair	2	с		
5.6.4	For abdominal venous aneurysms we recommend repair because of the risk of rupture and thromboembolism	2	8		
5.6.5	Thoracic venous aneurysms are infrequently associated with rupture or thromboembolic complications and can be observed in most cases	2	В		

From the Society for Clinical Vascular Surgery	Journal of Vascular Surgery: Venous and Lymphatic Disorde Volume 7. Number 6
Contemporary management of lowe	r extremity venous 🚺 Check Societates
aneurysms	
Rhusheet Patel, MD, ^a Stefan Hanish, BS, ^b Donald Baril, MD Los Angeles, Calif	("Karen Woo, MD," and Peter Lawrence, MD,"
ABSTRACT Objective Lower extremity venous aneuryons may lead to serious (#6) and chronic venous insufficiency. Presently, because of the low treatment exists. The purpose of this study was to review the pres aneuryons at our institution.	v incidence of these aneuryers, no conservus for their entation and management of lower extremity venous
Methods: A retrospective review of all patients with isolated lower e care medical center from 2005 to 2017 was conducted.	extremity venous aneuryons treated at a single tertiary
Fearly. The make and do formal posters with low resteminy 500 years. There analysing posters with low resteming years analyzens were topolarized includingly. Near of 21 patients had an aver- ment were topolarized includingly. Near of 21 patients had an aver- ment were applied to the second second second second second analyzens were topolarized including were and the second second second analyzens were applied interactivity. The indication for apparent was and another support interactivity for the indication for applied to underward support interactivity. The indication for applied to the potential had interactivity from the indication of the second ment of a interposition were path. Heas follow-up was 20 month complication in cluding prosperation heatmans. Indication and the second second second second second second second second second method on interposition were path. Heas follow-up was 20 month complication in cluding prosperation heatmans. Indication data were applied to the second data prosperation heatman and pro- sperations that and applied prosperation heatmans. Indication data were applied to the second seco	nit or PC, these presented with pain, and the vertices in orders the properties with pain, and the vertices investigation of the properties of the properties of comparing the properties of the properties of the comparing the properties of the properties of the second of the properties of the properties of the data vertices of the properties of the properties of the properties of the properties of the properties of the properties of the properties of the properties of the data vertices of the properties of the properties of the properties of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the data vertices of the properties of the properties of the properties of the data vertices of the properties of the properise of the properties of the
Conclusions: Lower extremity venous ansurgame continue to rep Symptomatic patients demonstrated a clear benefit from surger studies are required to properly characterize the natural history a and Lym Dis 2019/360-41	ry vs conservative management. Larger, multicenter
Keywords: Venous aneurysm: Deep venous thrombosis (DVT): The	omboembolism. Lower extremity: Low frequency

