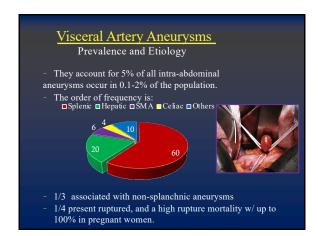
Open Versus Endovascular Treatment For
Visceral Artery Aneurysms And Acute
Mesenteric Ischemia: When Is Open Surgery
Mandatory

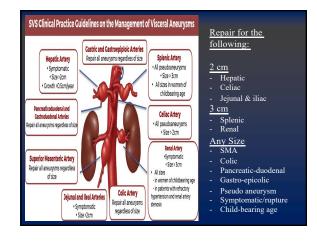
Timur P. Sarac, M.D.

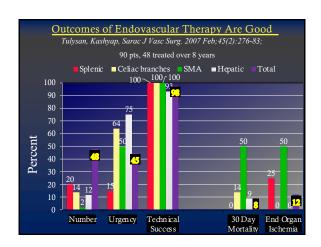
Professor of Surgery
University of Virginia UVA Health Systems
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Emeritus Professor, Chief & Director of the Aortic Center
The Ohio State University

Disclosure M Stent patents, AAA stent patents, endoleak patents. Shape Memory Medical Trial Proctor Editor "Gateways in Vascular Surgery" Treasurer American Board of Vascular Surgery Highly Opinionated

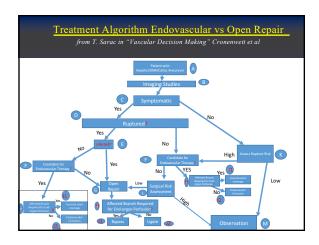






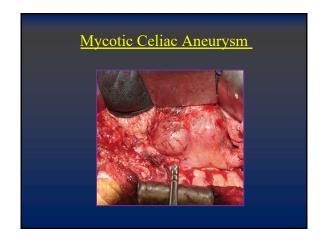


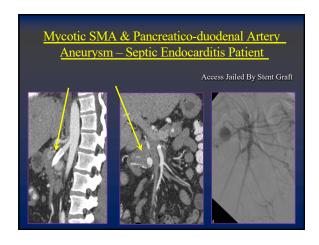
Results Chin, Heib and Sarac. J Vasc			
Outcome/complications	Endo (n = 5166)	Open (n = 4094)	P-value
Mortality	4.1	4.5	.618
Any complication	37.8	38.8	.668
Cardiovascular complication	2.3	3.4	.132
Bleeding complication	24.7	21.2	.080
Pulmonary complication	10.6	19.7	<.0001
Acute renal failure	9.5	7.4	.111
Wound complication	3.7	3.8	.913
Length of stay (days, mean)	6.5	8.7	<.0001
Discharge destination			.015
Home (with or without help)	86.7	84.4	
Facility	8.7	11.0	

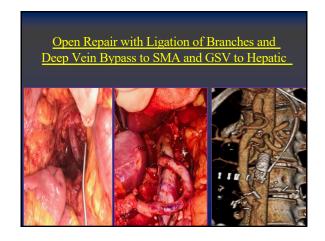


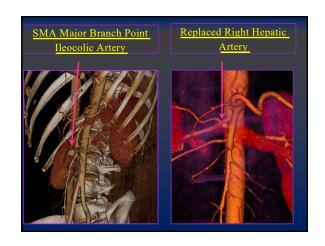
When to use Open Surge				
	Open	Endovascular		
Elective	x	X		
Distal Branch Points	X	X		
Ruptured	x	X		
Saccular	x	X		
<u>Hilum</u>	<u>X</u>			
Mycotic	<u>X</u>			
Branch Points Leading to End Organ Ischemia	<u>X</u>			

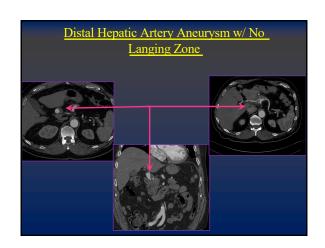


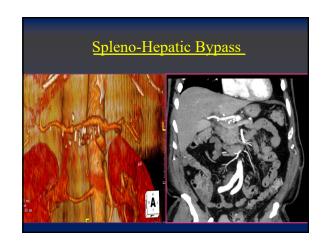




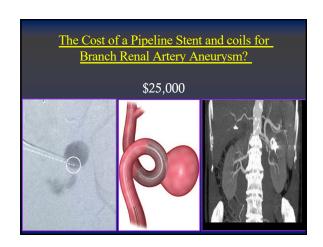


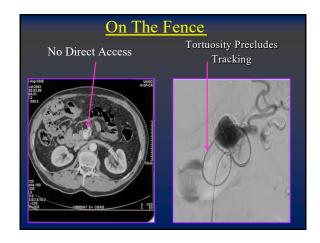












Recommendations:

- Endovascular treatment includes stent grafts and coil embolization.
- This is the first line of therapy for some last not all VAA.

 Open surpacy is indicated for mycotic aneurysms, branch point aneurysms, and end vessel aneurysms.

 Ones memory includes bypess, direct repair, and ligation.

 Treat all patients with VAA who are symptomatic or
- <u>Preservation of antegrade flow is preferred</u> but not always necessary. This depend on the vessel treated and avoidance of end organ ischemia.

