



IVC Reconstruction Options

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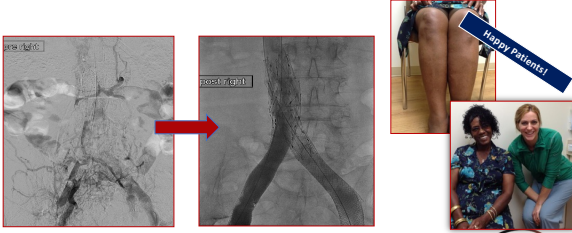


Disclosures


Consultant: BD Bard, Boston Scientific, Cook, Cordis, Gore, Medtronic, Philips, Synvention



IVC Reconstruction

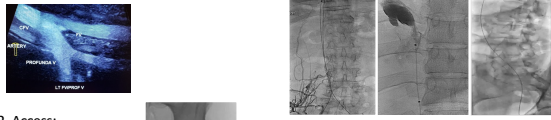


Happy Patients!



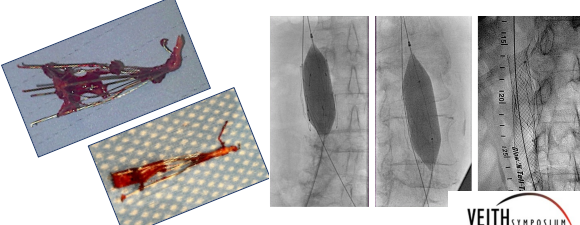

IVC Reconstruction – Mandatory Steps

1. Patient Selection: Inflow/ Patient Factors
2. Access:
 - ❖ IJ + GSV/Fem
 - GSV
 - Femoral / Profunda
 - Bifid Femoral
3. Crossing
4. Imaging: IVUS, IVUS, IVUS
 - ❖ Confirm crossing
 - ❖ Landing zones
 - ❖ Stent Selections



Reconstruction Options: IVCF Retrieval... Or Not

Very Common in US

Reconstruction Options: IVCF Retrieval... Or Not

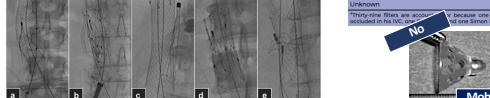
Endovascular management of chronic total occlusions of the inferior vena cava and iliac veins

Erin H. Murphy, MD, Blake Johns, BS, Elliot Varney, BS, and Seshadri Raju, MD, Jackson Miss

- 71 IVC Occlusions crossed and stented, Included 38 IVCFs
- Technical success 60/71
- No difference in successful recanalization or patency between patients with filters or without
- No occlusions related to the IVCF or caval stent

IVCF type	Patients (N = 38)
Greenfield (Boston Scientific, Marlborough, Mass)	1 (2%)
Vena Tech (B. Braun, Bellerbush, Pa)	2 (5%)
Bird's Nest (Cook Medical, Bloomington, Ind)	1 (3%)
Trapese (Cook, Miami Lakes, Fla)	3 (8%)
Gonkale (Cordis)	4 (11%)
Simon Nitinol (Bard PV, Tempe, Ariz)	2 (5%)
Bioventry (Bard PV)	5 (13%)
Cumtar Tulip (Cook Medical Inc)	1 (3%)
Unknown	4 (11%)

*Unknown filter type because only patient filter was retrieved in the IVC.



No
Mobin Uddin

Reconstruction Options: IVCF Retrieval... Or Not

Standard

IVCF Removal is an option

Cannot snare hook – single loop

18F Sheath, Lasso2 amplatz

Forceps

Philips Laser Sheath

IVC Reconstruction: Cranial Landing Zones

Infrarenal Suprarenal Thoracic Atrial

IVC Reconstruction: Cranial Landing Zones

Ok to Cross the ligament: Required in most PTS patients.....

Goal – Healthiest segment above profunda

IVC Reconstruction Options

Large Stents – IVC 20-24, Iliacs 14-16

Pre- and Post-Dilate to Size

Double Barrel Recreate Confluence

IVC Reconstruction Options: Avoid the Following..

Double Barrel Wall stent Closed Y-Configurations

No

No

Gore Viafort Trial

Two separate studies: IVC indication under FDA Breakthrough Designation program

Both studies are prospective, non-randomized, multicenter, single-arm with 5-year follow-up.

VNS 21-05 – "IVC Study"
 GORE® VIAFORT Vascular Stent for Symptomatic Inferior Vena Cava Obstruction w/ or w/out Combined Iliofemoral Obstruction
 89 Patients for US approval
 US, AU, NZ, EU
 US enrollment > 50% complete

VNS 21-07 "Iliofemoral"
 GORE® VIAFORT Vascular Stent for Treatment of Symptomatic Iliofemoral Venous Obstruction
 165 Patients
 US Only
 Study underway

Diameter (mm)	Stent Length (mm)			
	50	75	100	150
10	x	x	x	x
12	x	x	x	x
14	x	x	x	x
16	x	x	x	x
18	x	x	x	x
20	x	x	x	x
24	x	x	x	x
28	x	x	x	x

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Conclusions

- ❖ Technical challenges can be navigated
- ❖ High success and minimal morbidity
- ❖ Pay attention to details and inflow
- ❖ IVCF removal is likely optional with similar results removal/stent across
- ❖ Reconstruction options available – Chose what is best for your patient

Happy Patients!



Thank you!!!

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