2017 MID-ATLANTIC CONFERENCE

7th ANNUAL CURRENT CONCEPTS IN VASCULAR THERAPIES

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Referral for Leg Ulcer

Disclosures

None

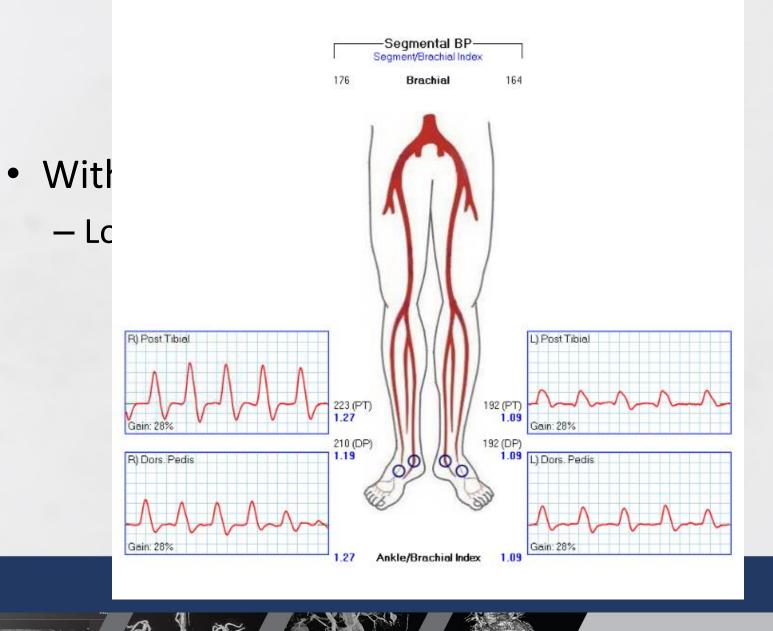
Case Presentation

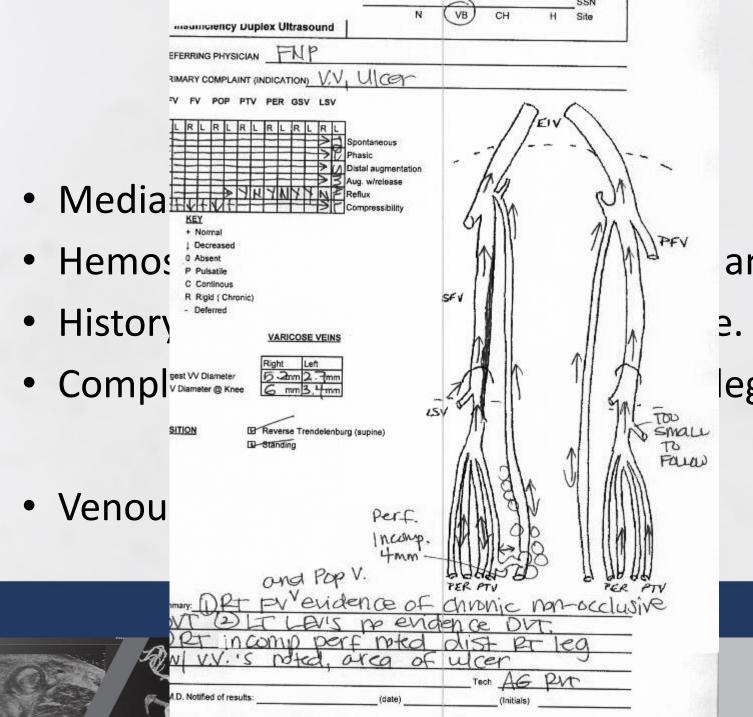
- 51 year old male
- Presents with a recurrent Right Medial Ankle ulcer
- Medical History
 - HTN, Aortic Dissection, DVT, PE, PAD, Varicose Veins, Hx of Leg Ulcer.
- Surgical History
 - Subtotal Aortic Arch Debranching
 - Thoracic Endo-graft with visceral stenting



What do we look for on Exam

- Presence of skin changes
 - Hemosiderin Deposition
 - Thickened Skin
 - Surrounding Erythema
 - Presence of Varicose Veins
 - Presence of limb edema
- Distal pulses





ankle.

legs.

So... Now what?

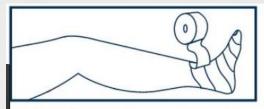
- GSV ok at the Junction
- Perforator vein in the medial ankle.
- Chronic DVT in the femoral

- Compression
- Elevation
- Correction of venous problems

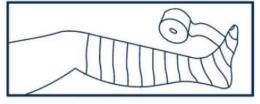
Compression - Unnas Boots



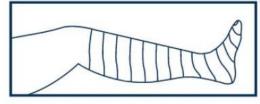




 With the foot and ankle positioned at a right angle to the leg begin wrapping the bandage without tension at the base of the toes. Wrap the leg with a light tension, overlapping each layer in a spiral fashion.



Wrap all the way up the leg stopping 1 - 2
inches below the posterior knee. Complete the
bandage and smooth and mold with your hands.



 Apply an elastic or cohesive bandage (not included), for compression, maintaining an even tension, and cover completely.



Unnas Boots

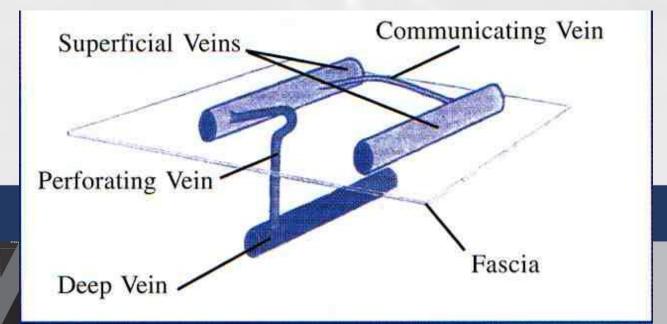
- Multi-layer short stretch compression
- Changed weekly
- Allows the placement of a skin care product directly to the wound and compression on the source venous reflux.



What Veins Do We Need To Treat?

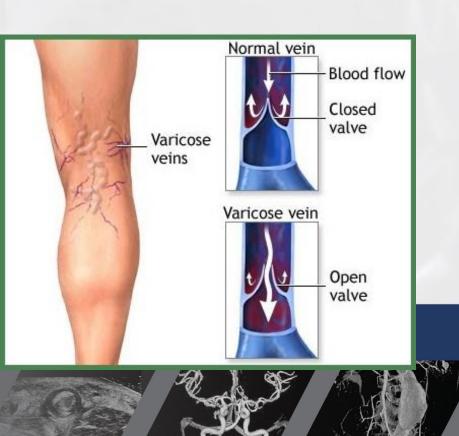
- Deep Venous System
 - accompany arteries
 - usually same names
 - lies deep to the fascia
 - has valves

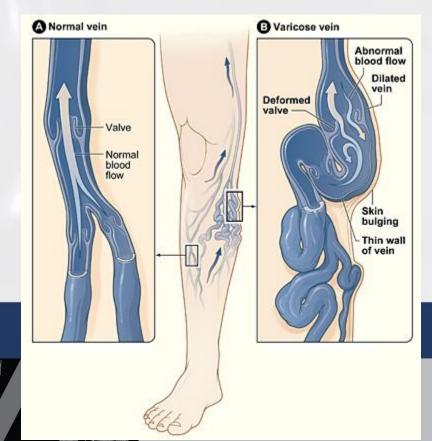
- Superficial Venous System
 - located just below the skin
 - have valves
- Perforator Veins
 - connect deep and superficial systems



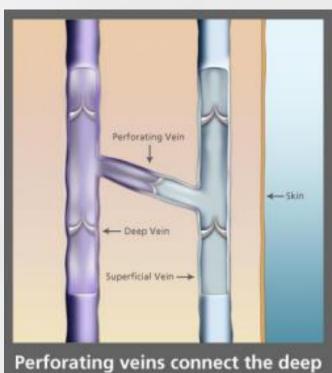
Venous Insufficiency

 Heredity, time, DVT, and injury can damage the venous valves causing venous valve incompetency





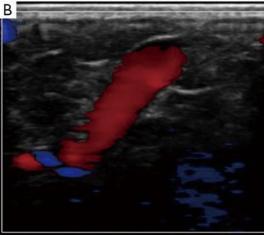
Perforator Endovenous Ablation

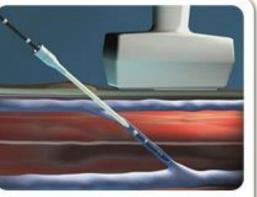


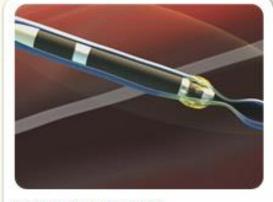
system with the superficial system

ClosureRFS™ accessing perforator vein



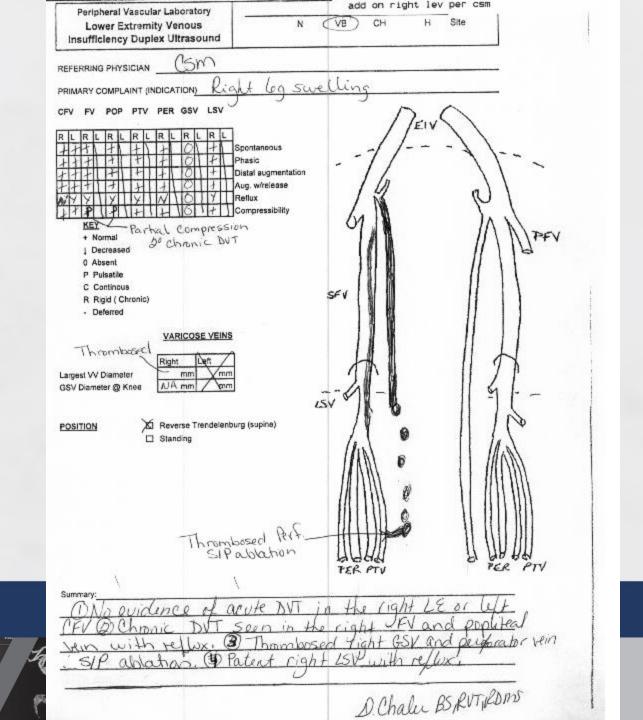






ClosureRFS™ treating perforator vein







So. Perforator Is Closed, Now What?

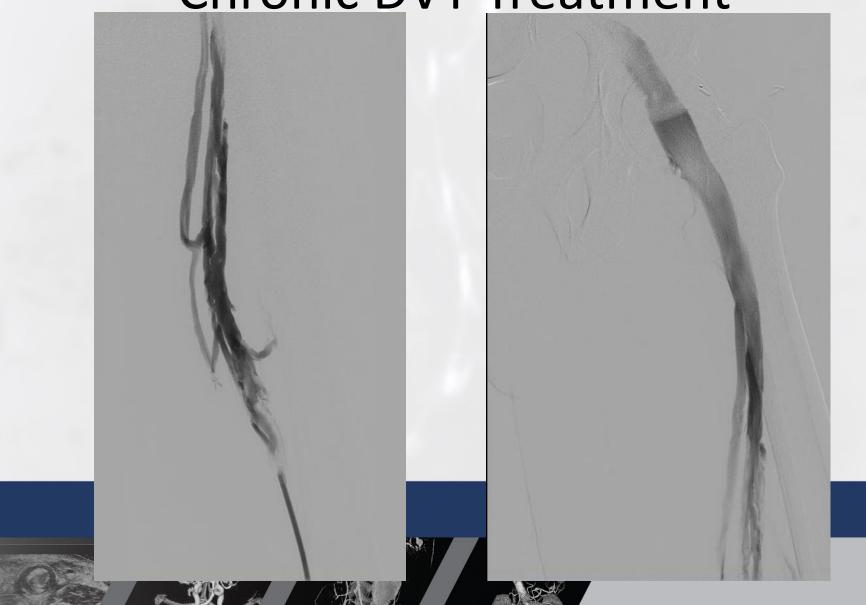
Chronic DVT Treatment with Post Thrombotic
 Syndrome or Venous Ulcers

- Activity
- Blood Thinners
- Compression

Is There An Obstructive Component?

- Chronic Femoral DVT
 - Compression is mandatory.
 - Limited role for venography with surgical treatment
- Proximal (Iliac/IVC) DVT
 - Conventional role for venography with surgical treatment



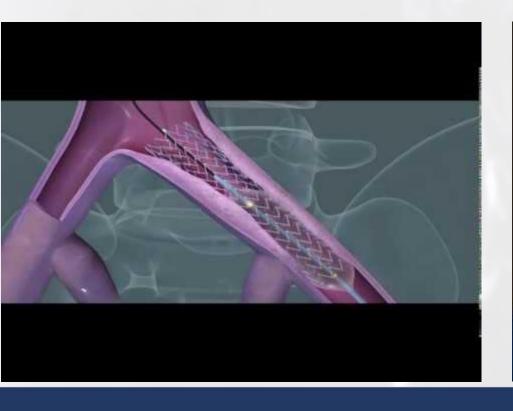


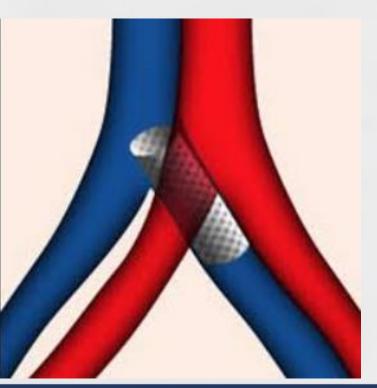


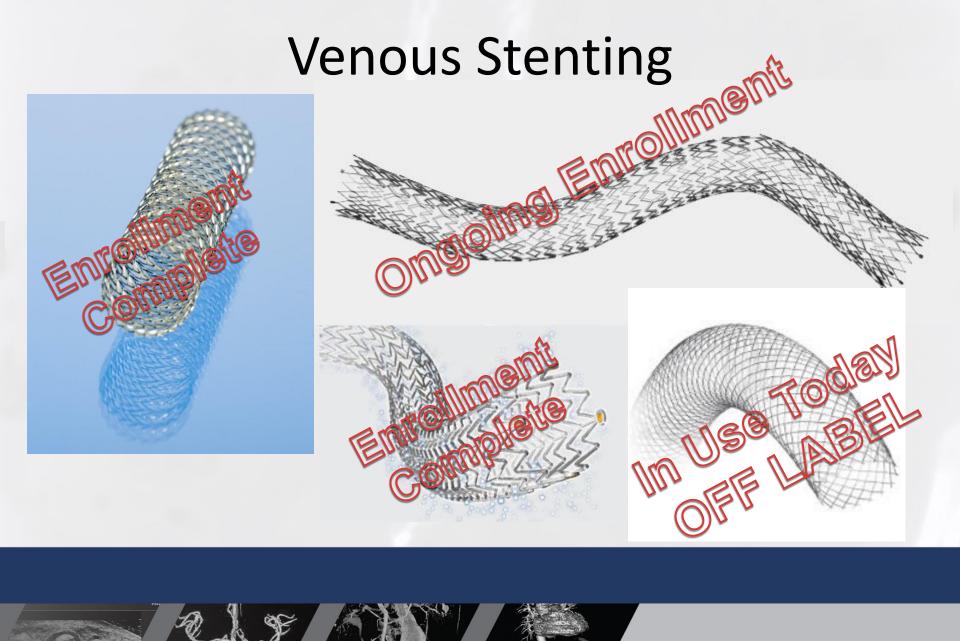
Venous Stenting

Chronic Obstructive

Compression









Conclusions

- Most patients have a multifactorial ulcer
- Comprehensive work-up and treatment is necessary in most patients.
- Different treatment methods are needed for each type or size of vein or artery involved
- More than one treatment method will be required for most patients