

U/S Review

Starr Knight
Aug Faculty Meeting
August 11, 2015

Case

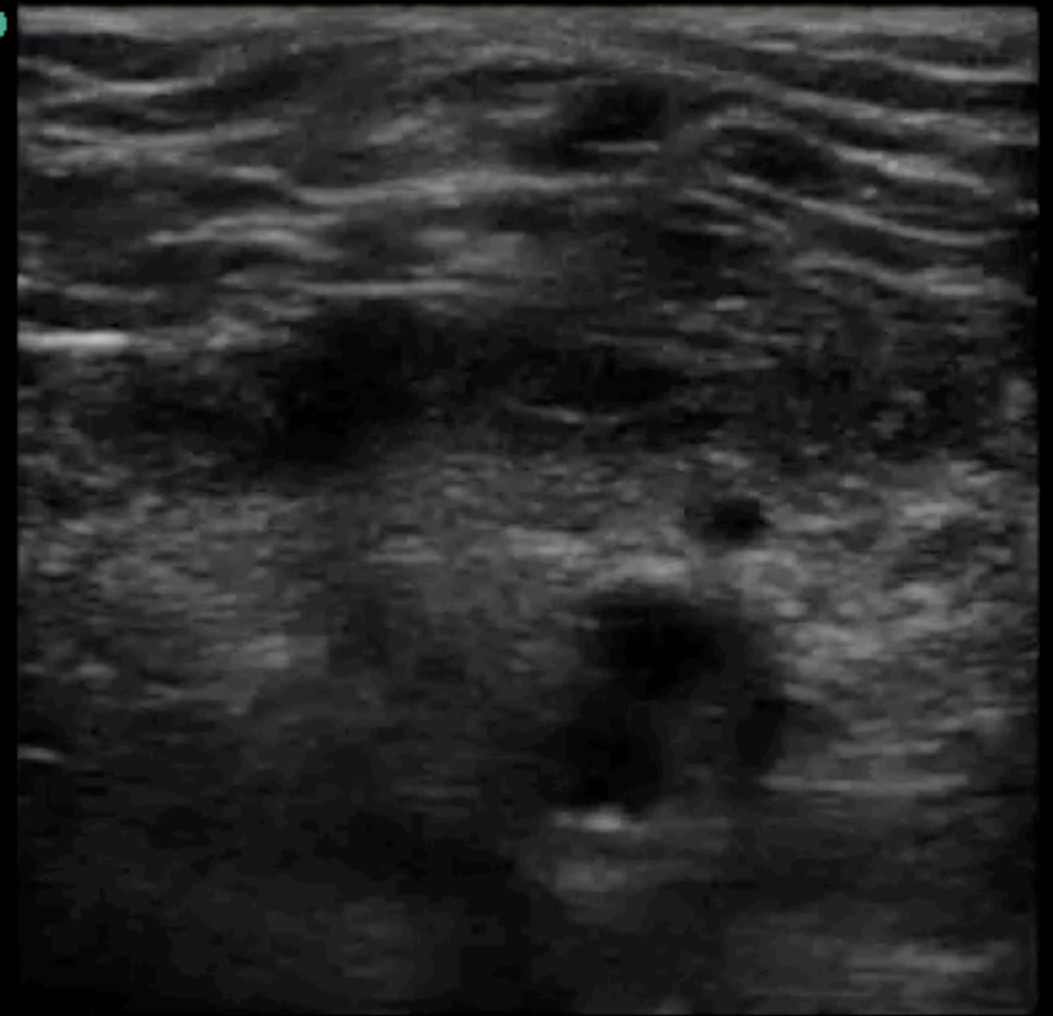
- 40 ♂ with RLE swelling and pain x 5 days.

Bedside Images



Gen
S MB

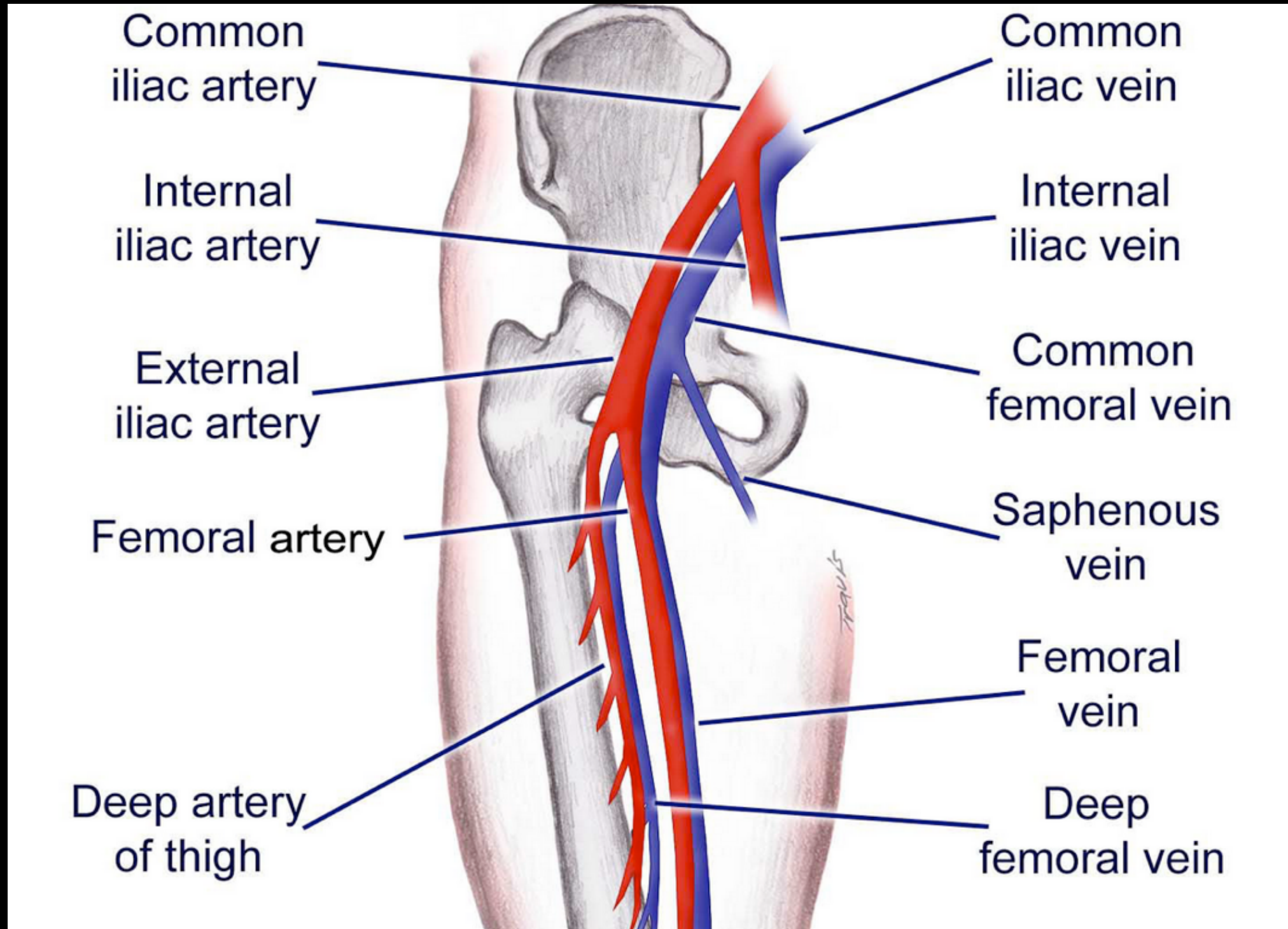
3.



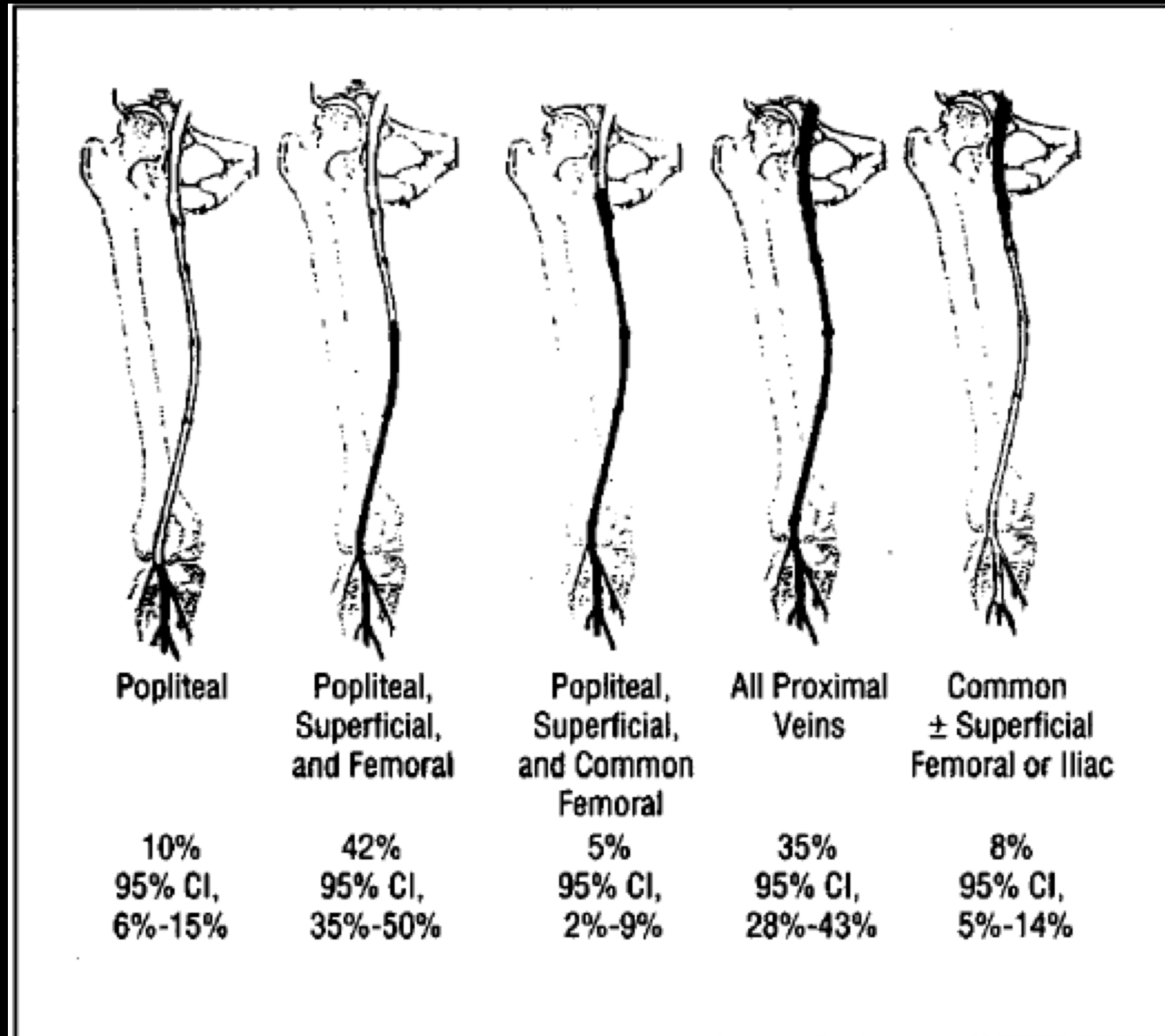
3.

Are these images
adequate?

2 point Compression



2 point Compression



Cogo, Alberto, et al. "Distribution of thrombosis in patients with symptomatic deep vein thrombosis: implications for simplifying the diagnostic process with compression ultrasound." *Archives of internal medicine* 153.24 (1993): 2777-2780.

Isolated Deep Venous Thrombosis: Implications for 2-Point Compression Ultrasonography of the Lower Extremity

Srikar Adhikari, MD, MS*; Wes Zeger, DO; Christopher Thom, MD; J. Matthew Fields, MD

*Corresponding Author. E-mail: sriadhikari@aol.com.

- 245 | patients
 - 362 DVTs
 - 6.3% DVTs not isolated to CFV or Pop Vein
 - 5.5% SFV
 - <1% Deep Femoral Vein

5 point Protocol

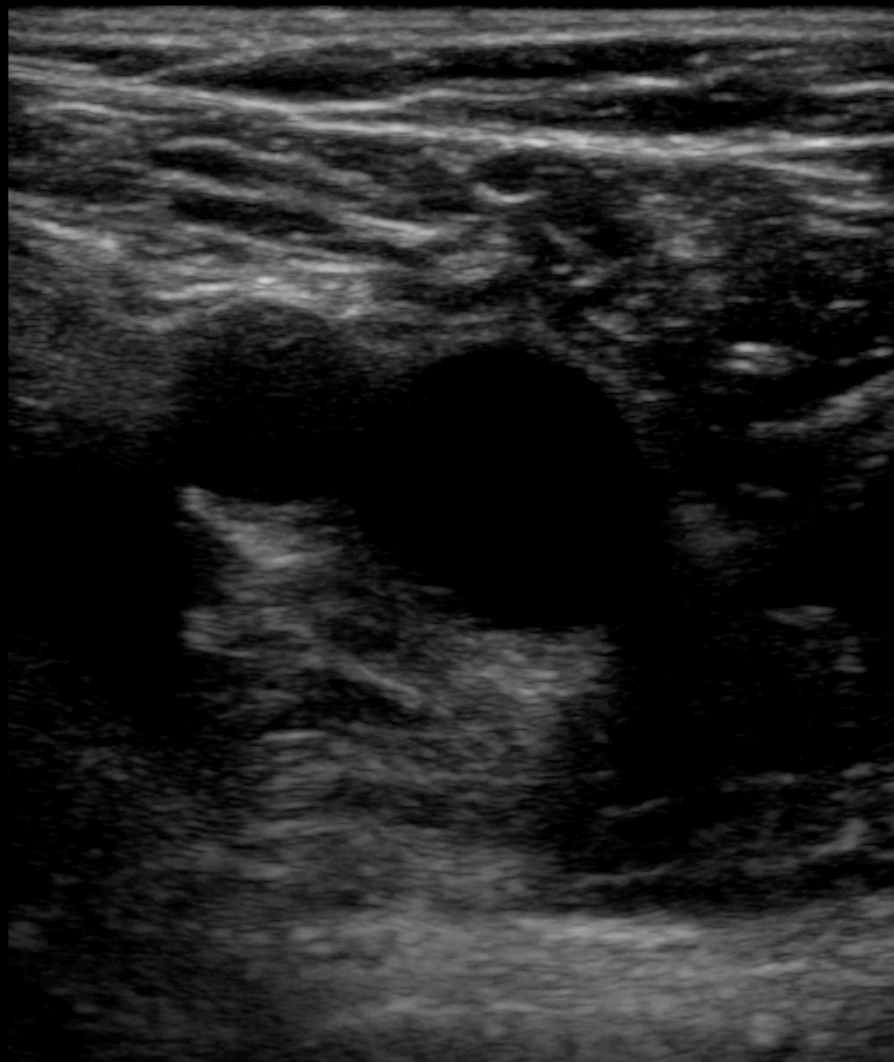
- Femoral Compression
 - Common Femoral Vein & Artery
 - Sapho-Femoral Junction (SFJ)
 - Artery Bifurcation (SFA, PFA)
 - Venous Bifurcation (SFV, DFV)
 - Prox/Mid/Distal SFV

Femoral Area

CFV-CFA

10 Aug 2015 / 17:43

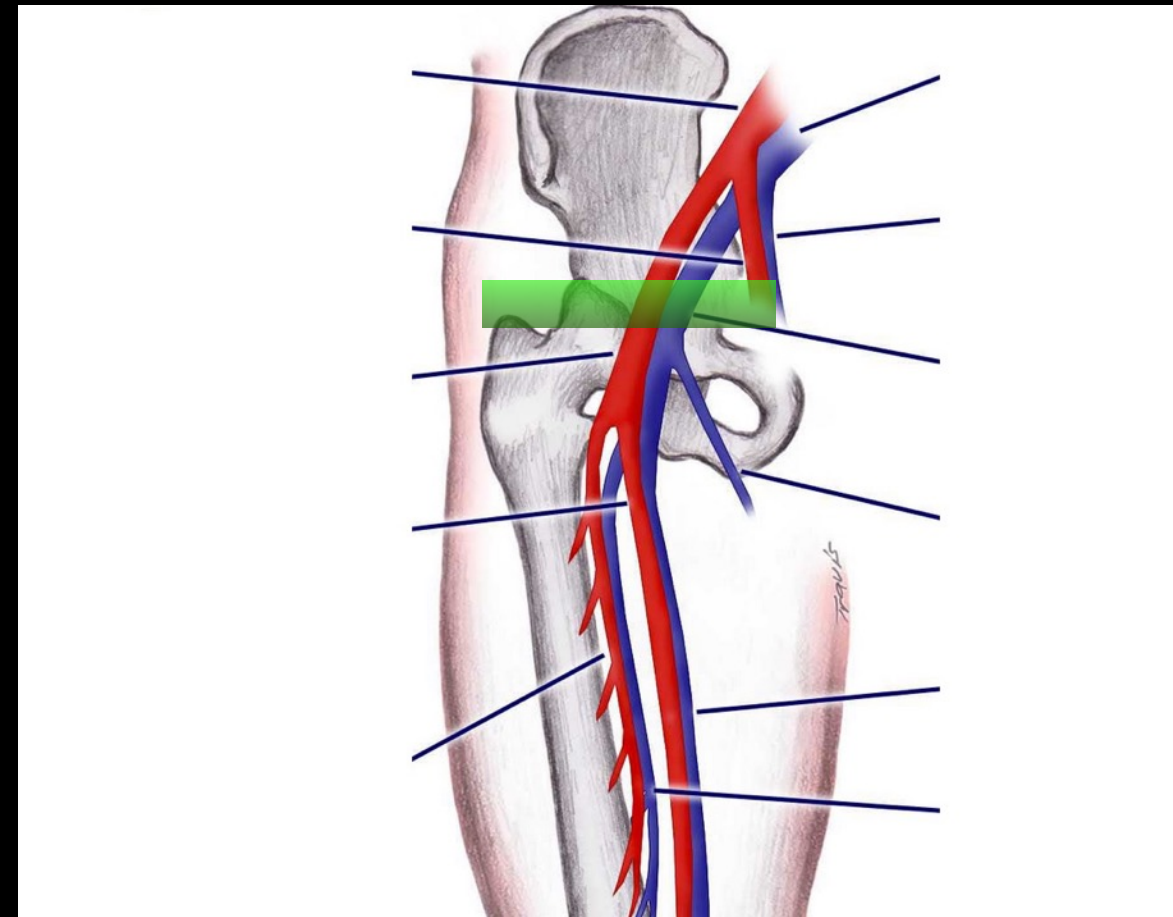
Right
CFV



SonoSite
L38xp/10-5 Venous
MI: 1.1 TIS: 0.5

4.5 cm

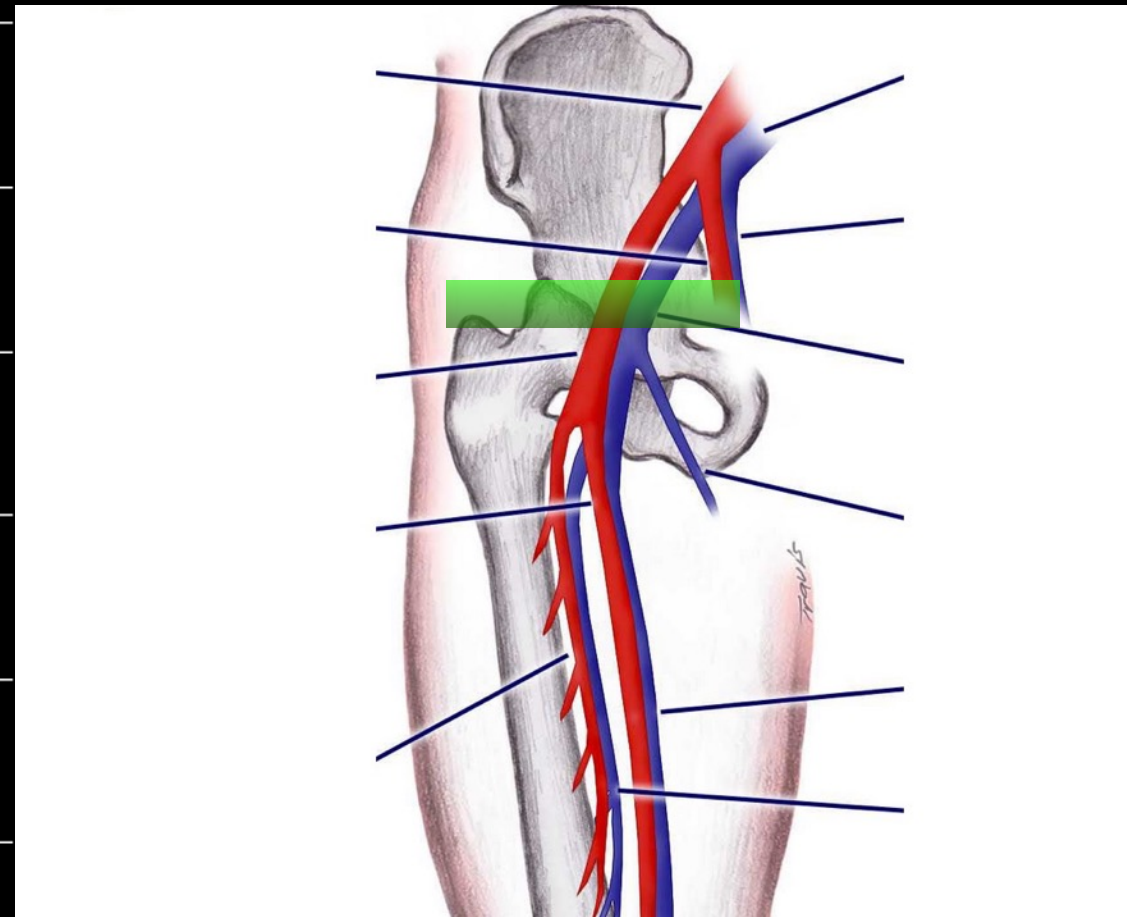
2D: G: 50
DR: 0
MB



Femoral Area

CFV-SFJ

10 Aug 2015 / 17:44



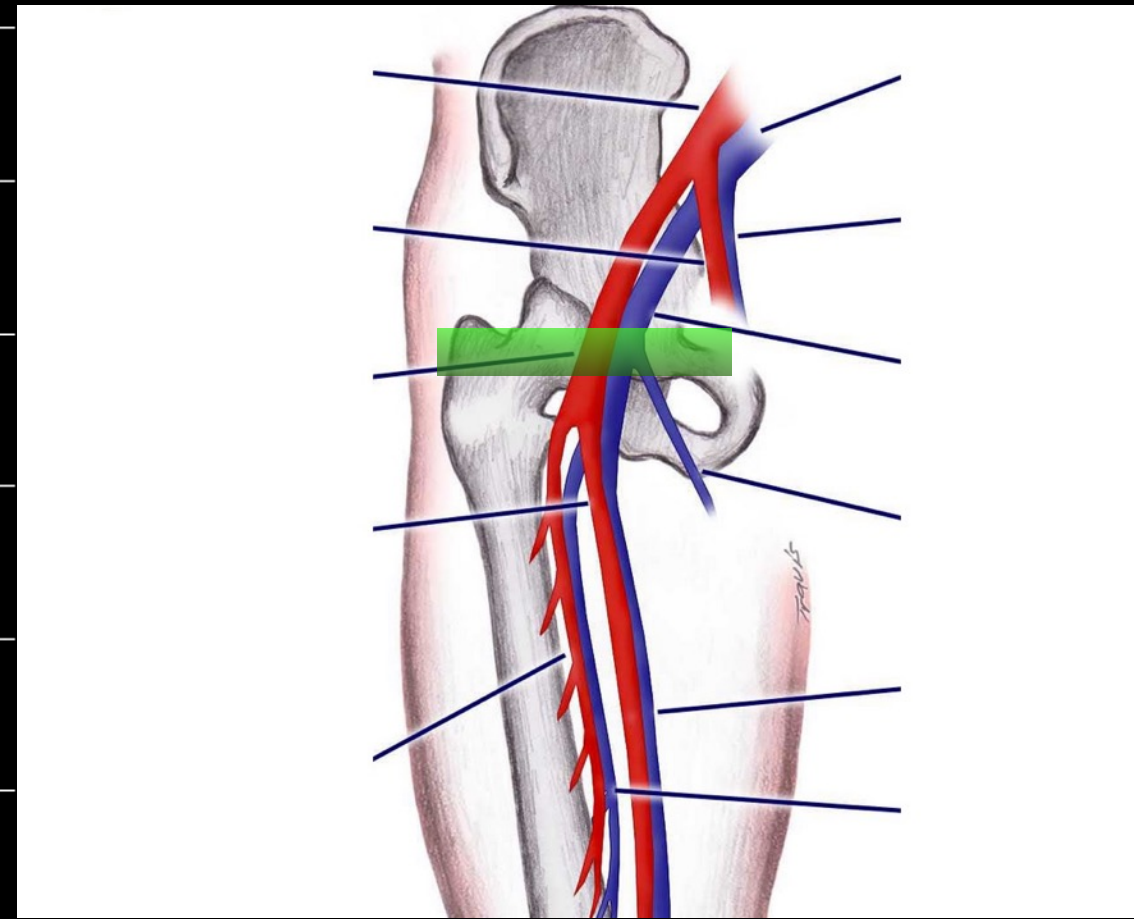
4.0 cm

Femoral Area

CFV-Arterial Bifurcation

10 Aug 2015 / 17:44

Right
CFV



4.0 cm

2D: G: 50
DR: 0

SonoSite

Femoral Area

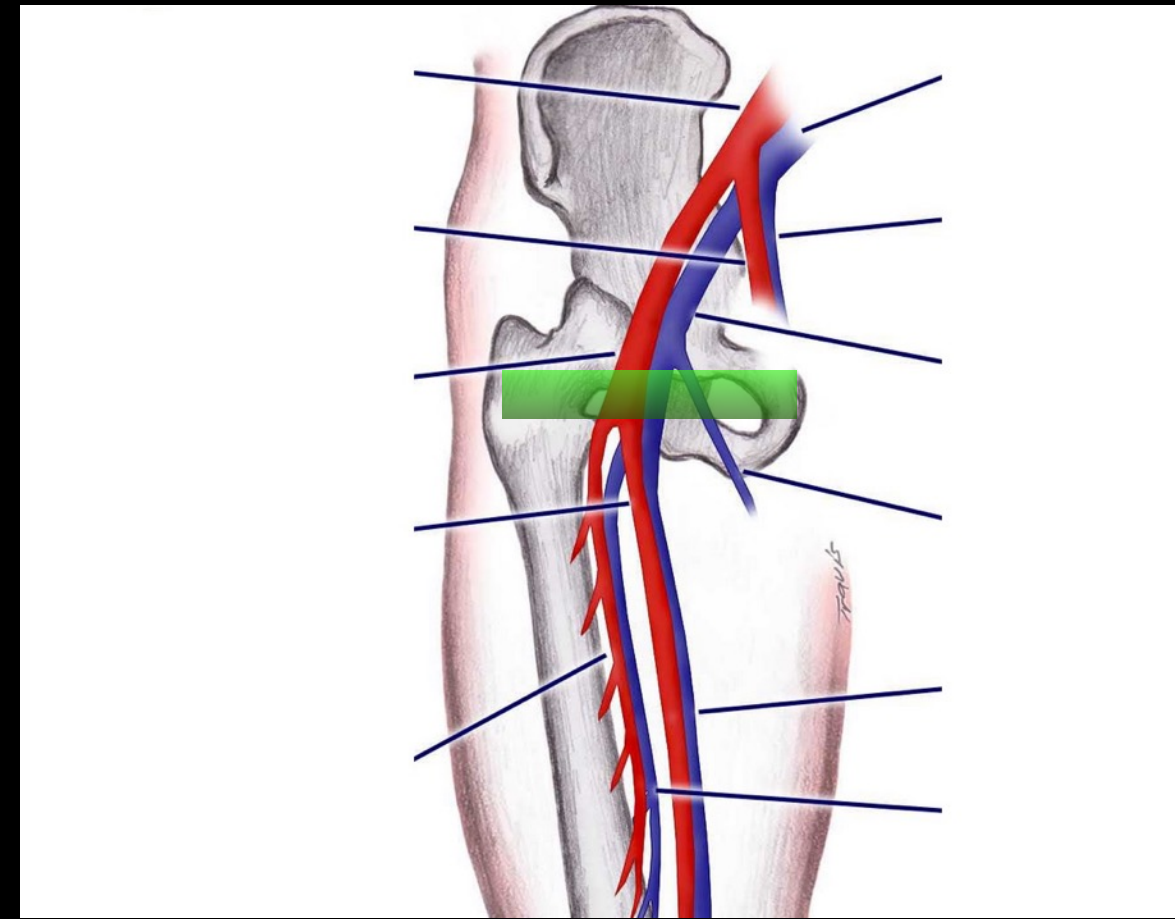
CFV-Bifurcation

10 Aug 2015 / 17:45



3.5 cm

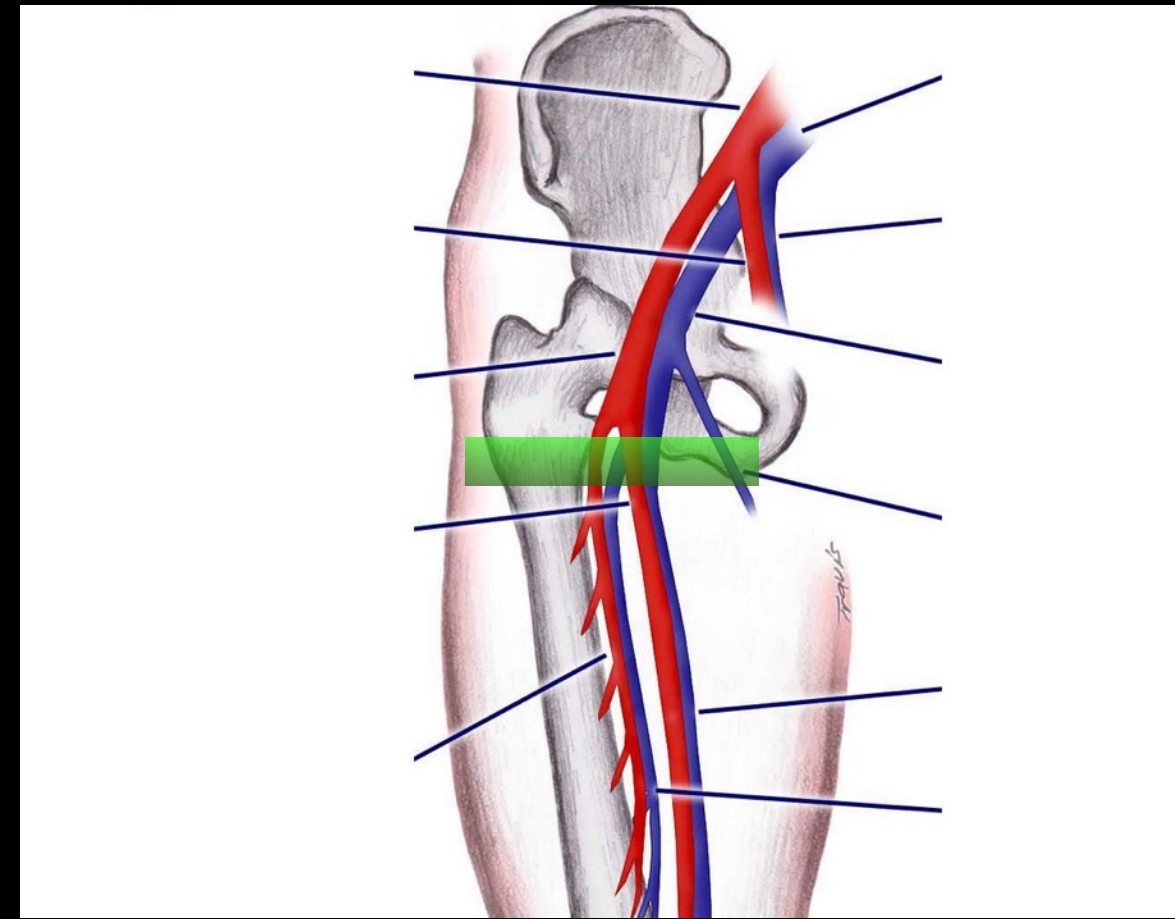
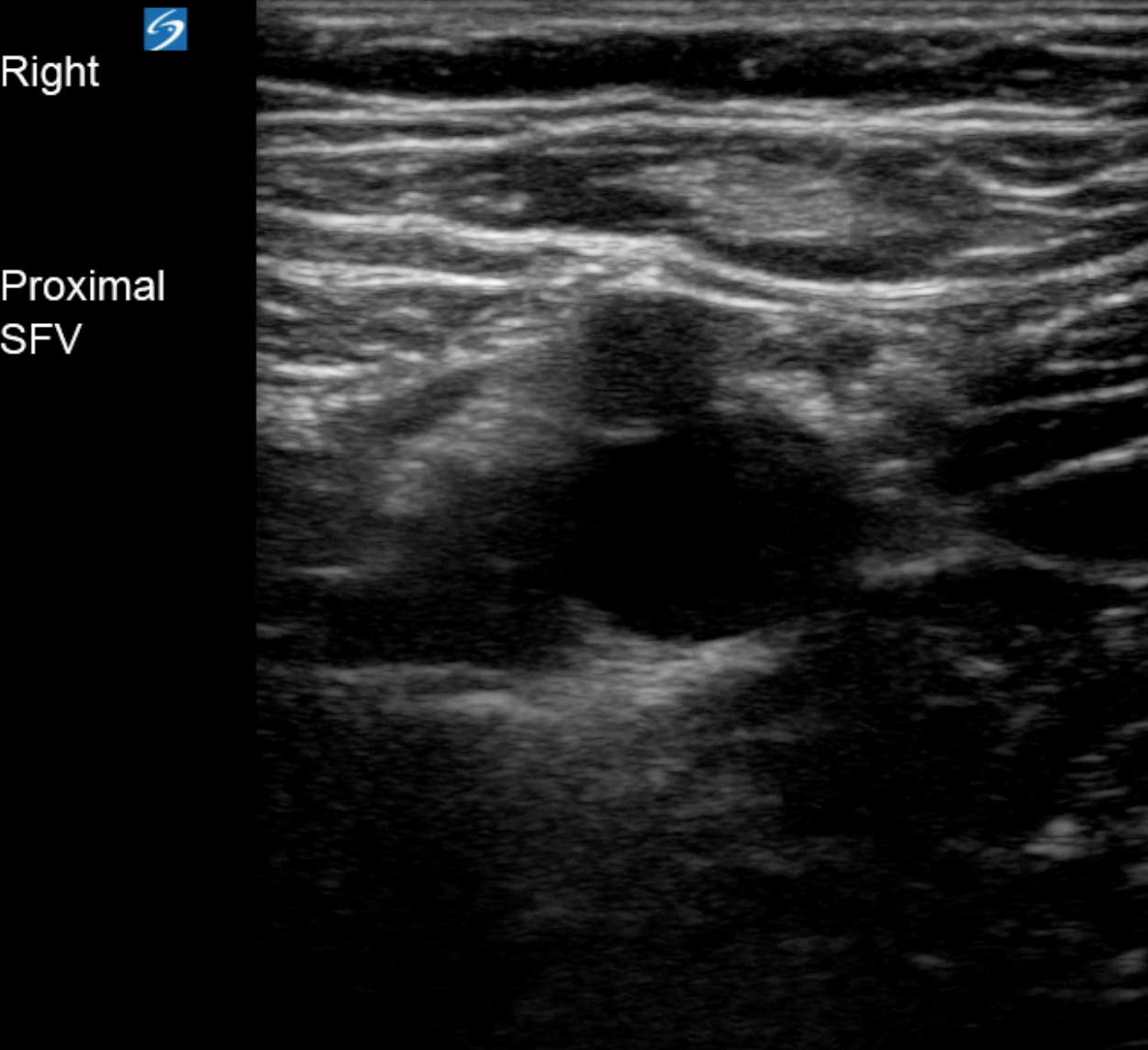
2D: G: 50
DR: 0
MB



Femoral Area

Proximal SFV

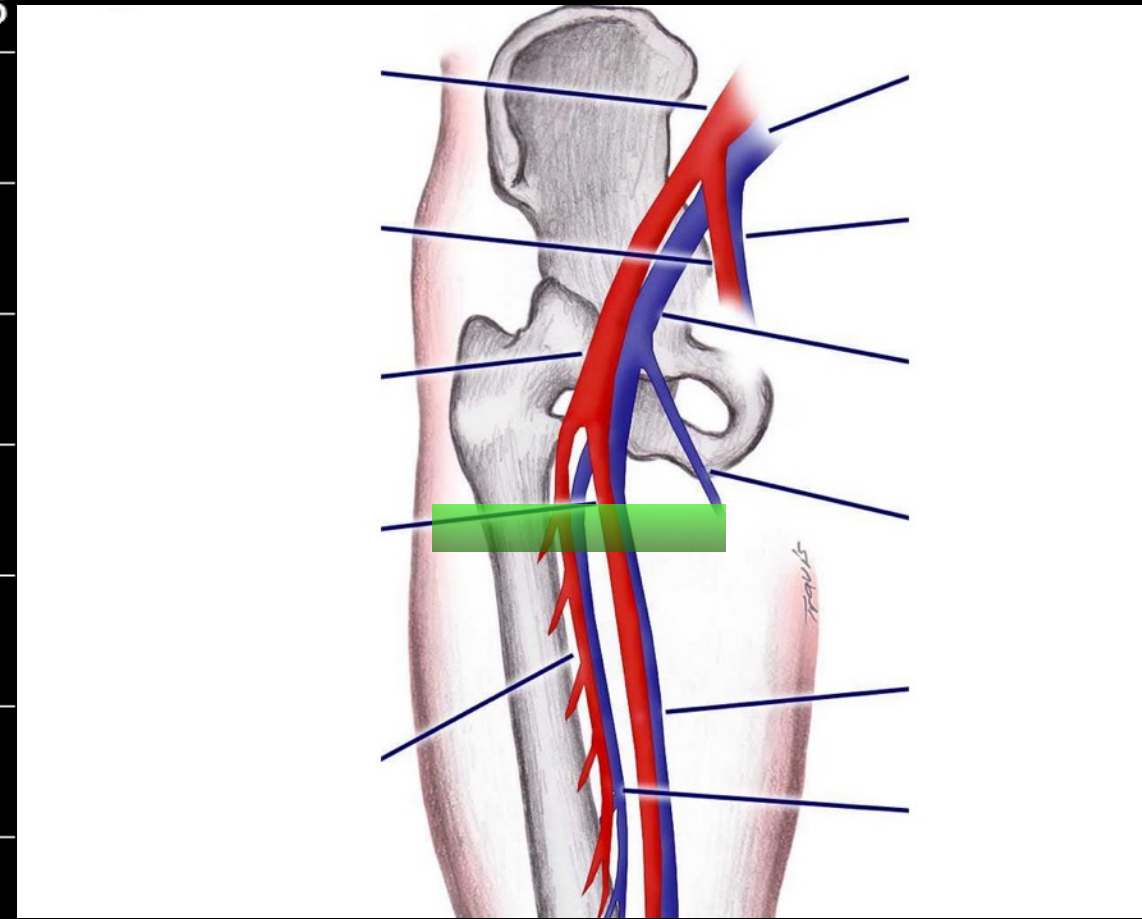
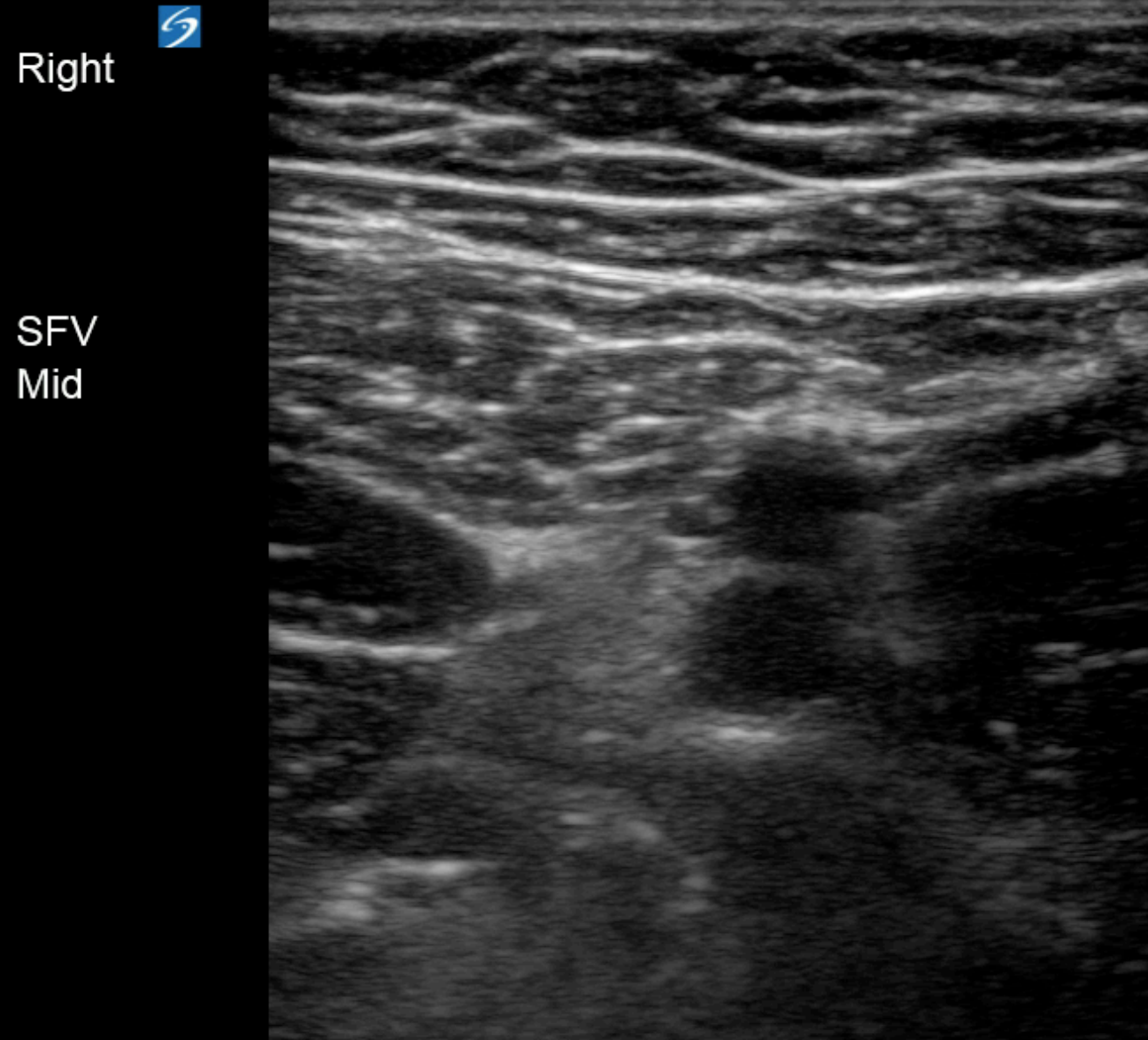
10 Aug 2015 / 17:45



Femoral Area

Mid SFV

10 Aug 2015 / 18:05



4.5 cm

2D: G: 50
DR: 0

Femoral Area

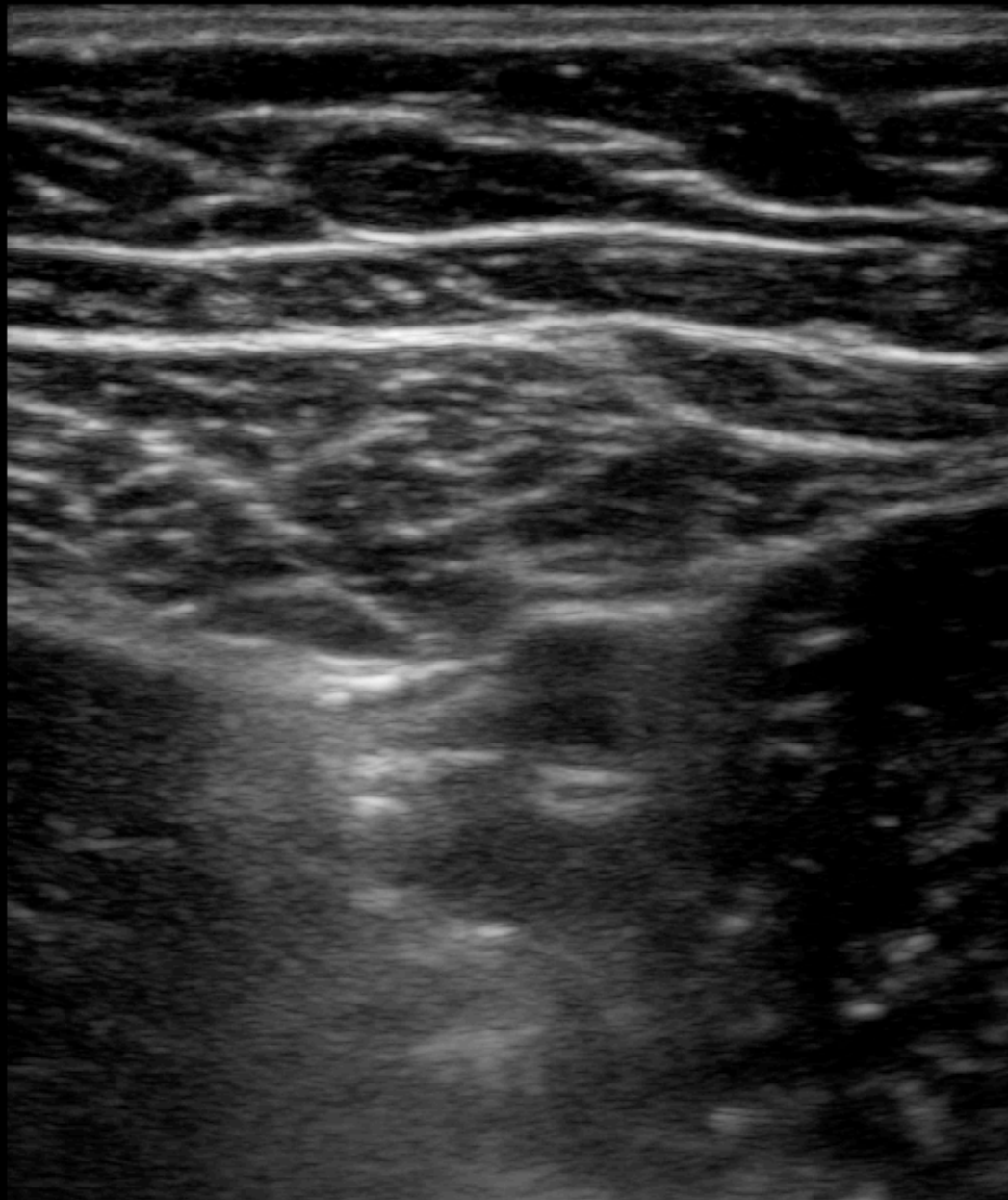
Distal SFV

10 Aug 2015 / 18:05

Right 

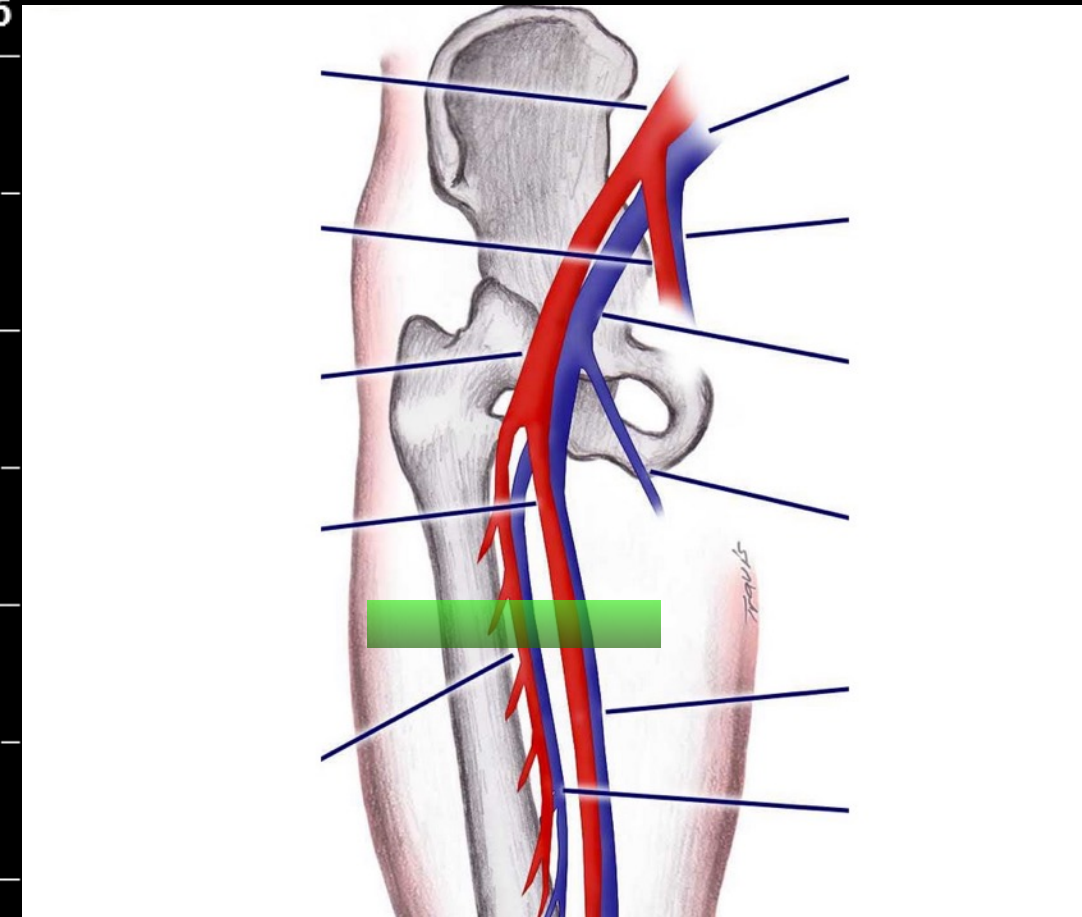
SFV

Distal



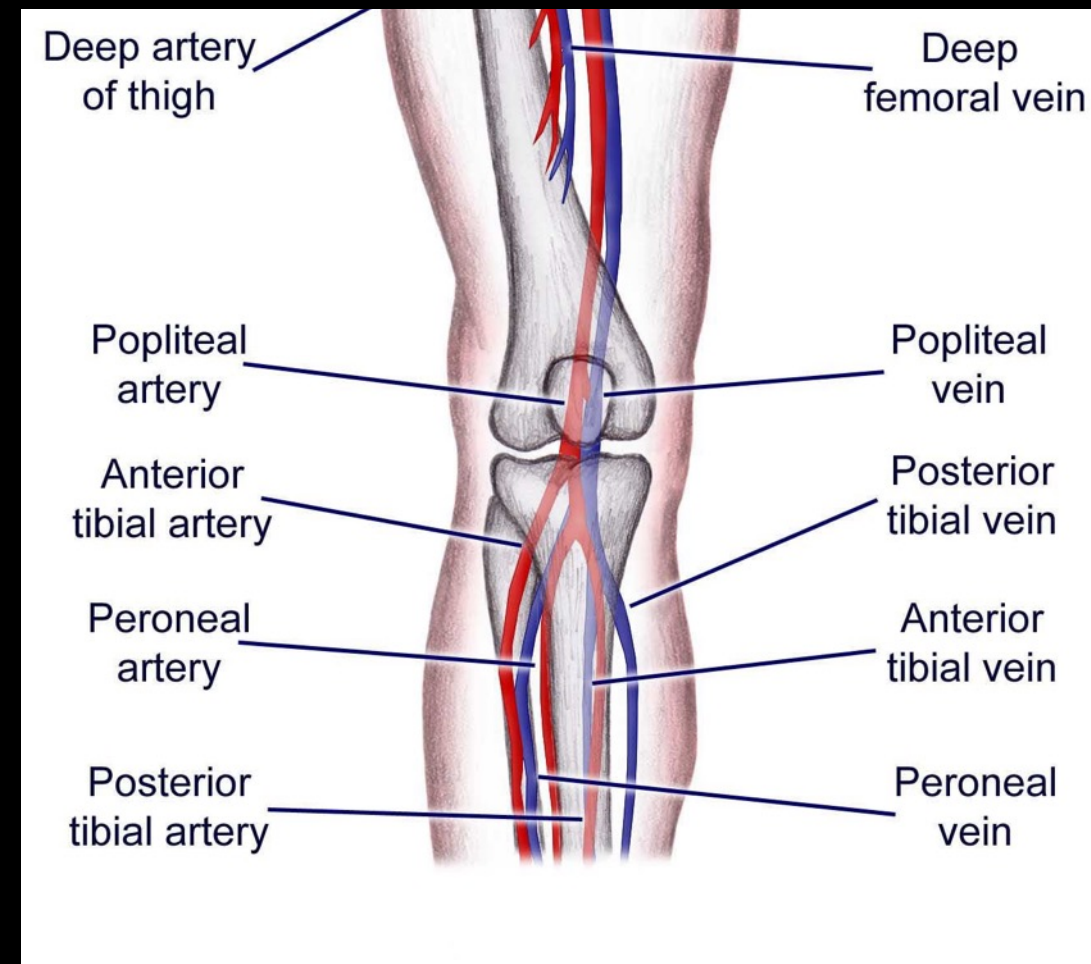
4.5 cm

2D: G: 50



Popliteal Area


- Popliteal Area
- Compress in at least 2 areas prior to trifurcation



“Pop is on Top”

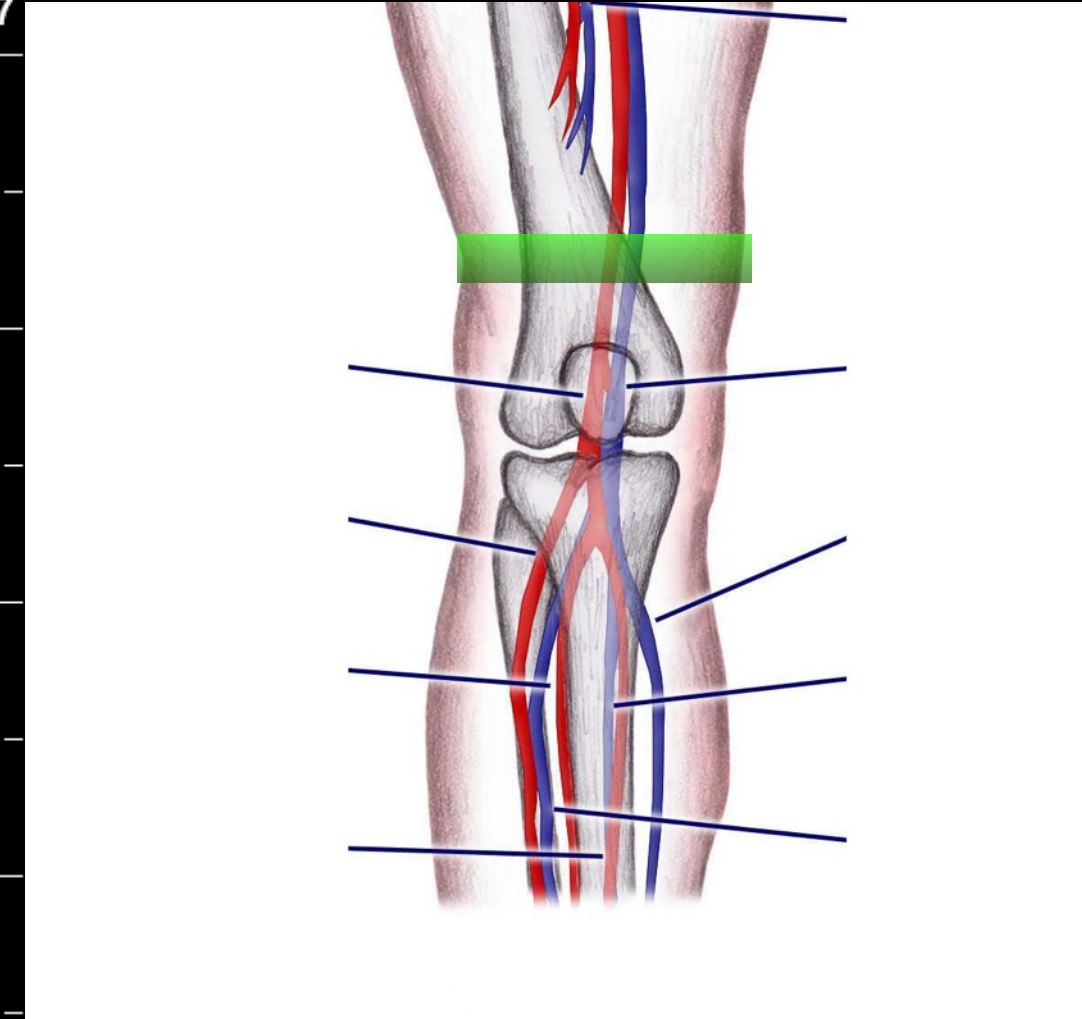
Popliteal Area

10 Aug 2015 / 18:07

Right 



Popliteal V



4.5 cm


2D: G: 50
DR: 0
MB



SonoSite
L38xp/10-5 Venous
MI: 1.1 TIS: 0.5

Popliteal Area

10 Aug 2015 / 18:07

Right 

Popliteal V



SonoSite
L38xp/10-5 Venous
MI: 1.1 TIS: 0.5

4.5 cm

2D: G: 50
DR: 0
MB 

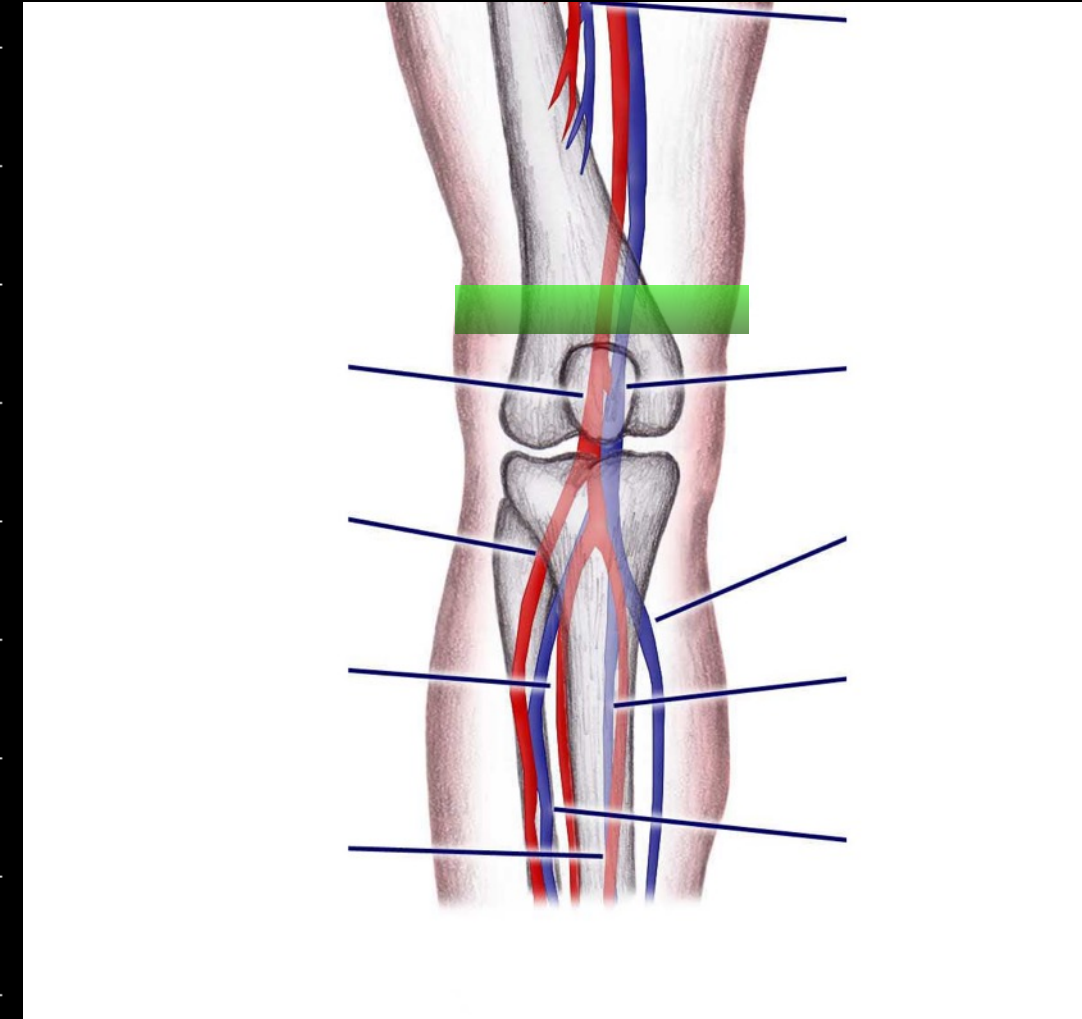
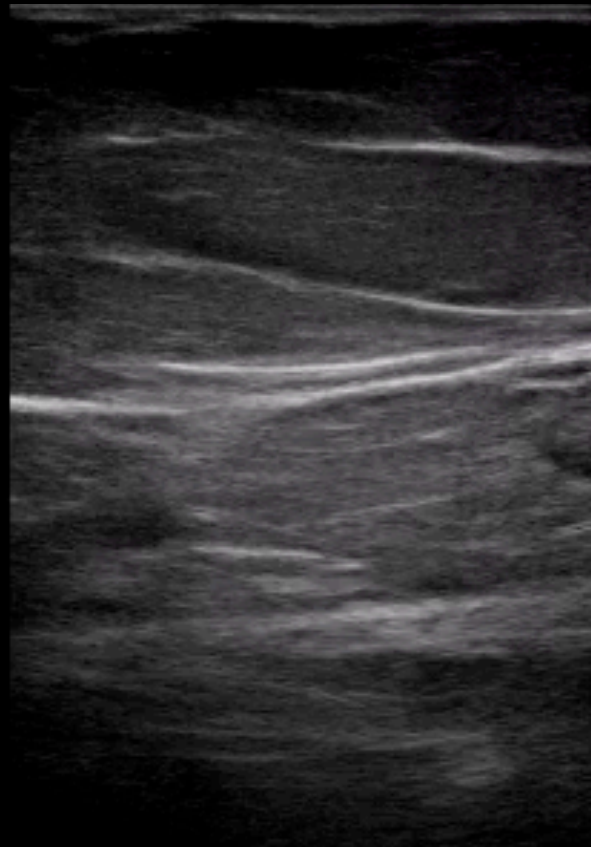


Image Review

29 Jun 2015 / 22:02

Left



6.0 cm

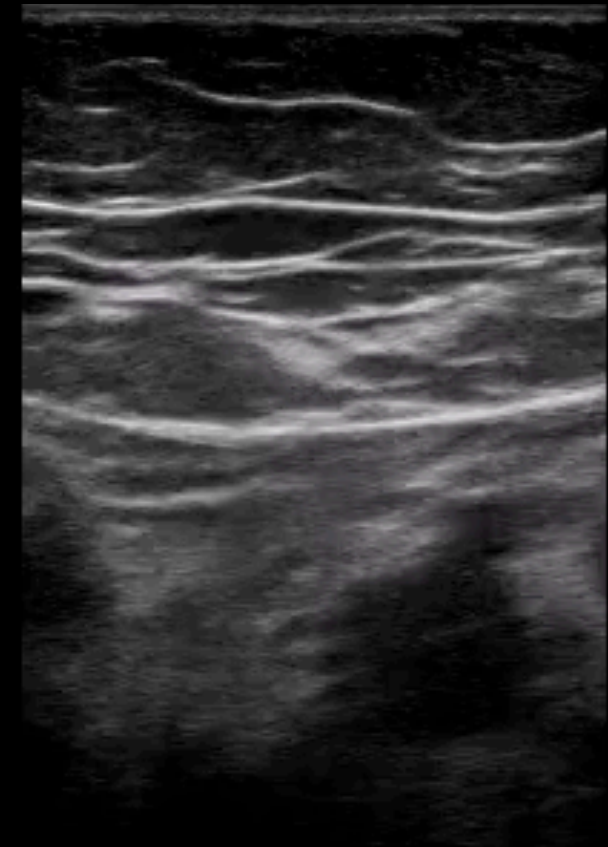
2D: G: 50
DR: 0
MB

ED
SFGH

SonoSite
HFL38xp/13-6 Venous
MI: 0.5 TIS: 0.2

Jun 2015 /

Left



6.0 cm

2D: G: 50
DR: 0
MB

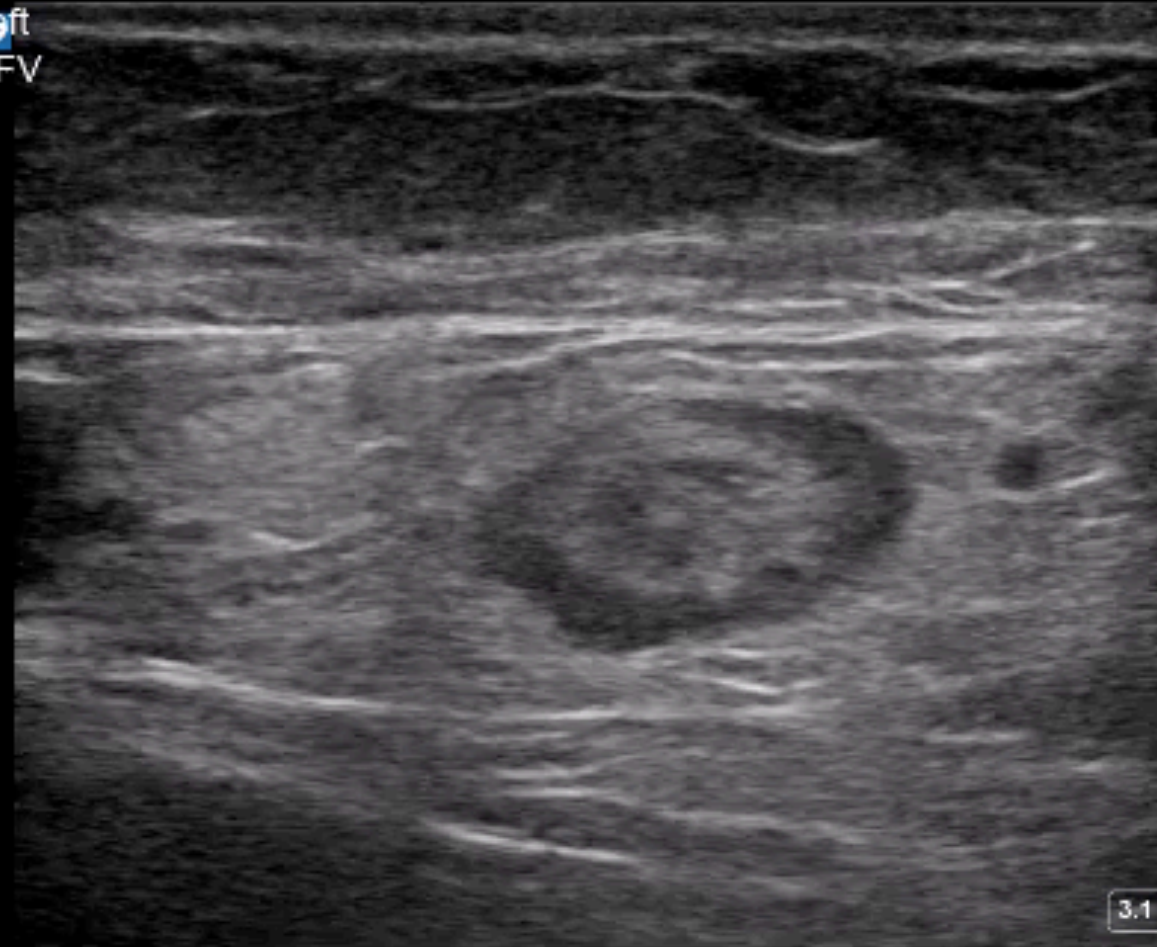
SonoSite
HFL38xp/13-6 Venous
MI: 0.5 TIS: 0.2

ED
SFGH

Image Review

15 Jul 2015 / 19:44

Left
CFV



3.1 cm

SonoSite
HFL38xp/13-6 Venous
MI: 0.6 TIS: 0.3

2D: G: 50
DR: 0
MB


Image Review

4 Mar 2015 / 19:50



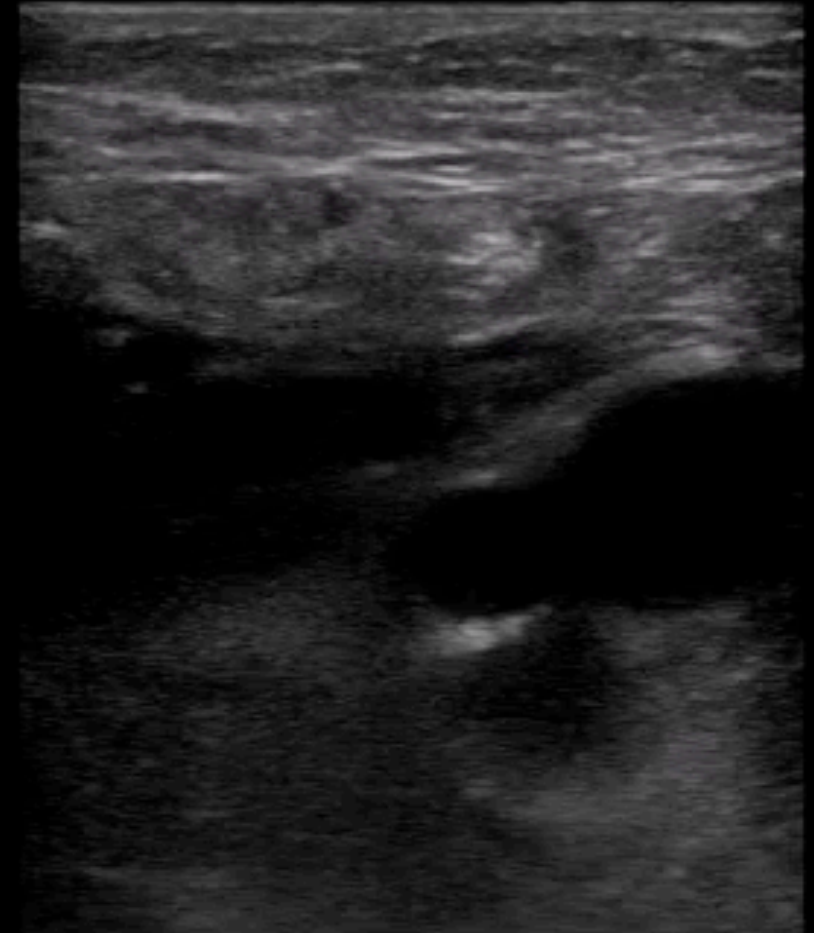
4.5 cm

2D: G: 50
DR: 0
MB



4 Mar 2015 /

CFV



4.

2D: G: 50
DR: 0
MB



SonoSite
L38xp/10-5 Venous
MI: 1.1 TIS: 0.5

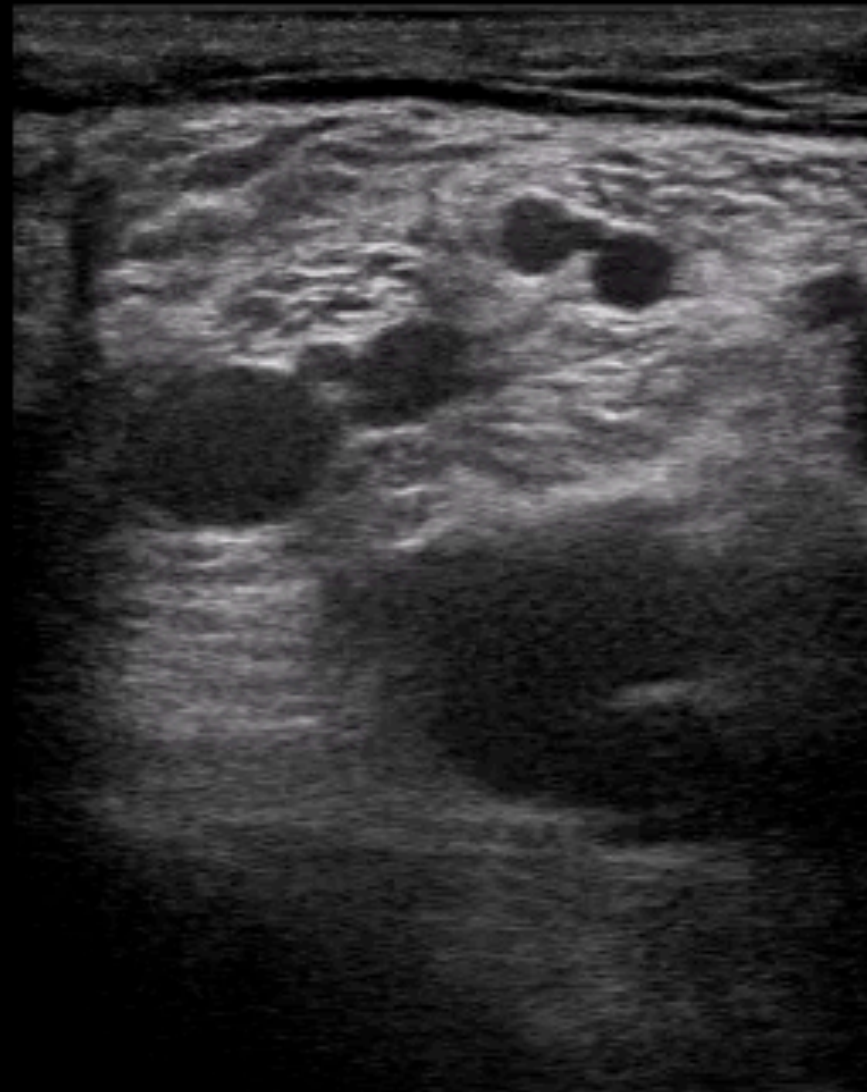
SonoSite
L38xp/10-5 Venous
MI: 1.1 TIS: 0.5

Image Review

11 Apr 2015 / 10:29



Popliteal V




4.8 cm

SonoSite
HFL38xp/13-6 Venous
MI: 0.7 TIS: 0.2

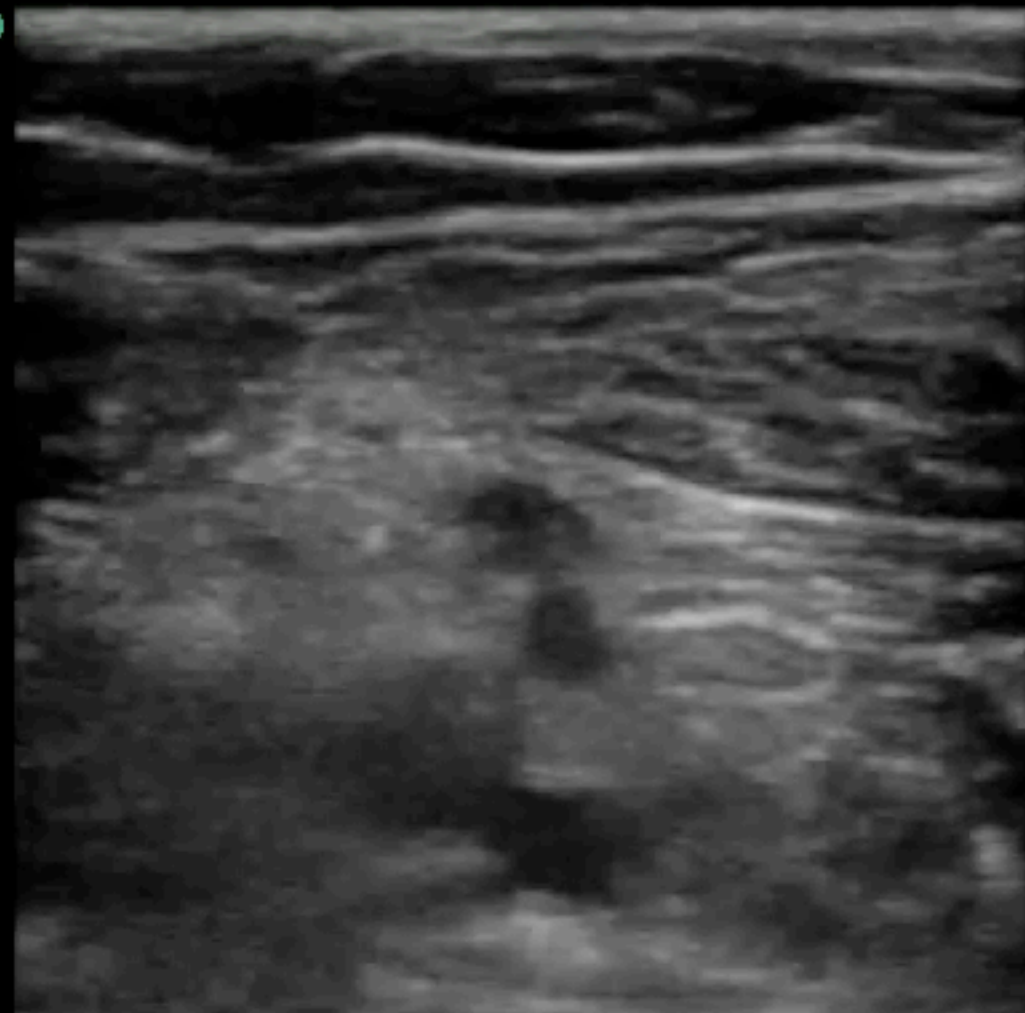
2D: G: 50
DR: 0
MB




Image Review

2012. 

2012Jun20 00:45

Gen
S MB



- Vas
L38


70%
MI
1.3
TIS
0.3

A 
B 

3.8

Take Home Points

- Femoral Area
 - CFV-CFA
 - CFV-Saph
 - CFV- Arterial Bifurcation
 - SFV (Prox/Mid/Distal)
- Pop on Top (Superior to Pop Fossa)
 - Try to compress in 2 areas before the trifurcation

Thank You

