VENOUS ANGIOPLASTY FOR AVF UNDER DUPLEX-SCAN

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DISCLOSURE OF INTEREST

• I do not have any potential conflict of interest for this talk...

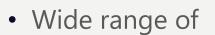
... except that I'm vascular physician and thus working with ultrasound every day, all day long

3 MOST FREQUENTLY ASKED QUESTIONS

1 - ARE YOU CRAZY ?





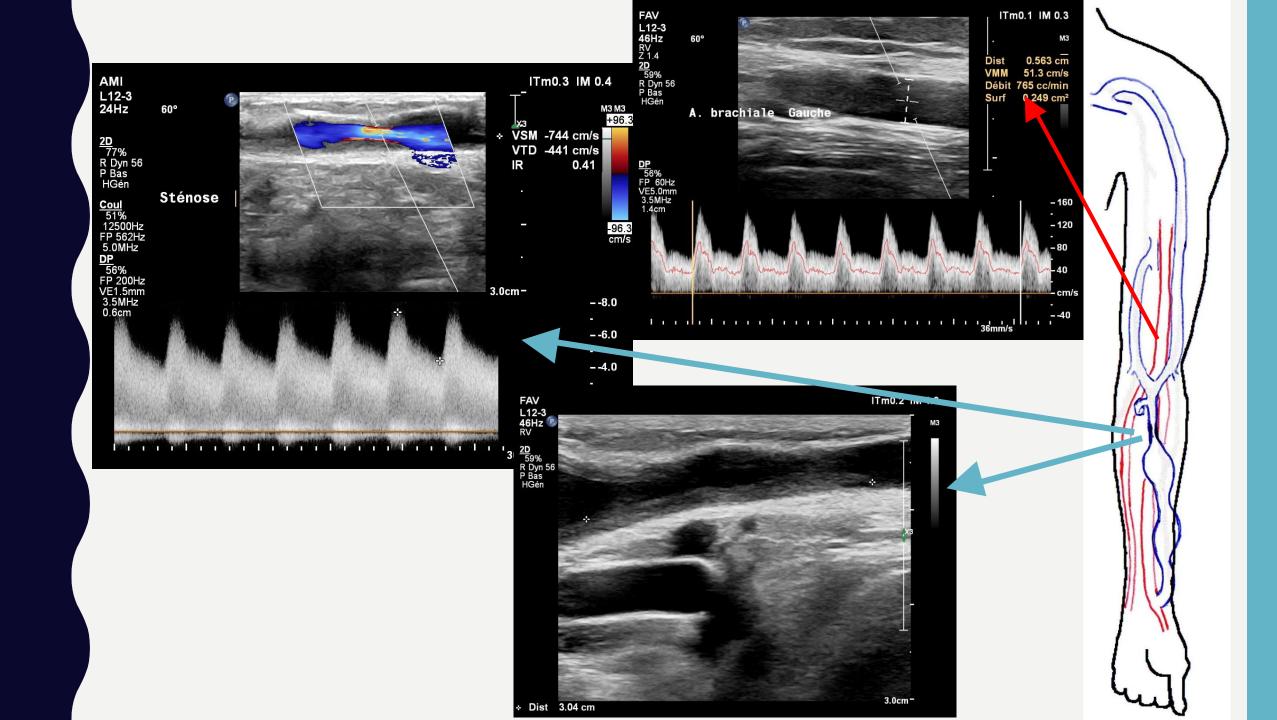


- Balloons (flexible/High pressure)
- Catheters
- Stents
- Emergency tools
 - Covered stents
 - Aspiration catheter
 - Coils
- X-Room

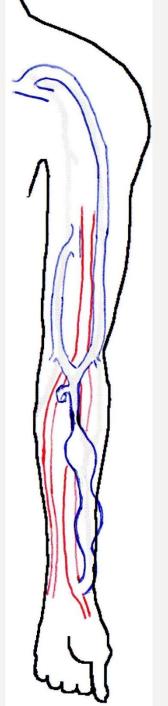


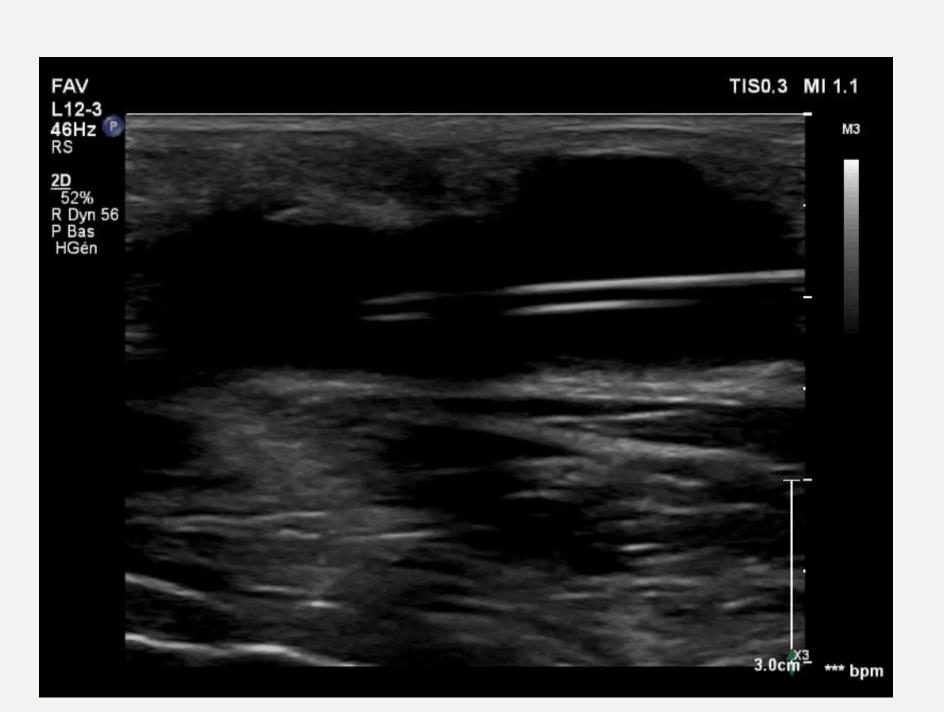


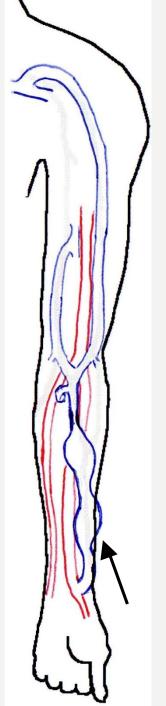
2 - WHAT DOES IT LOOK LIKE ?



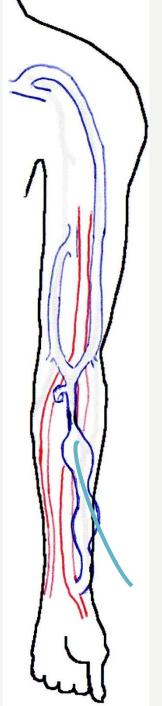


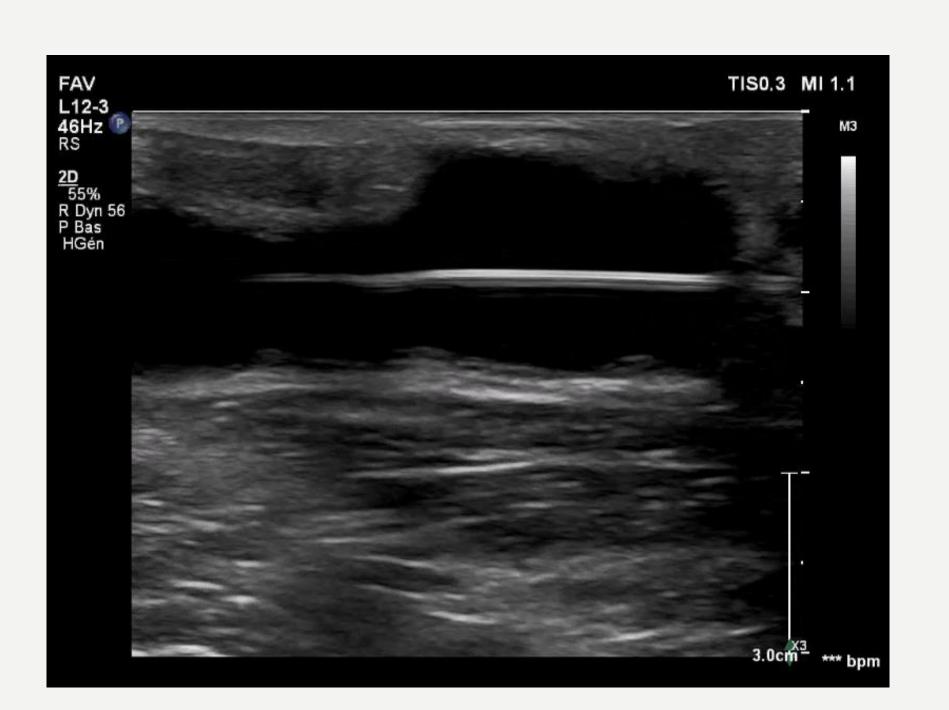


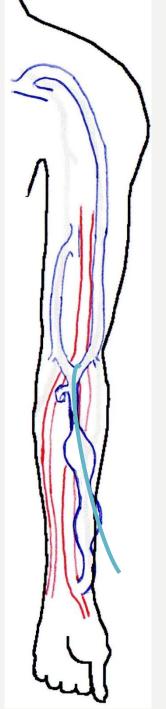




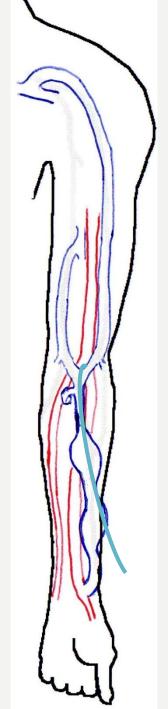




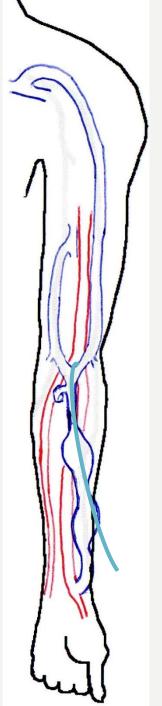




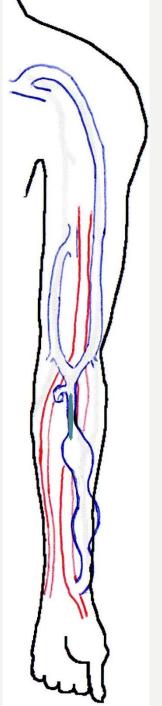


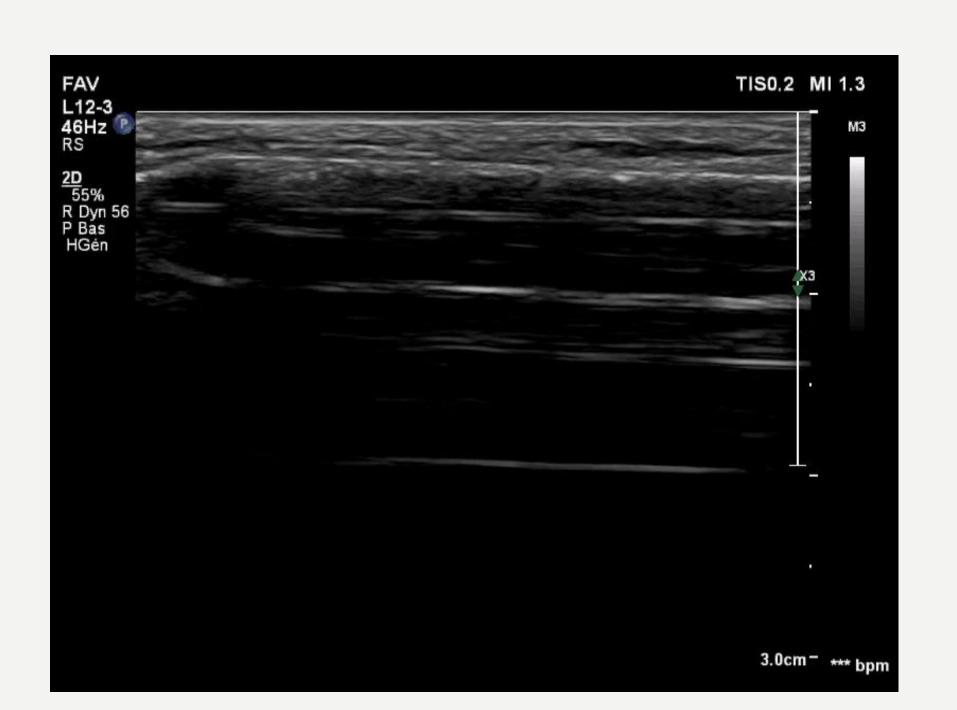


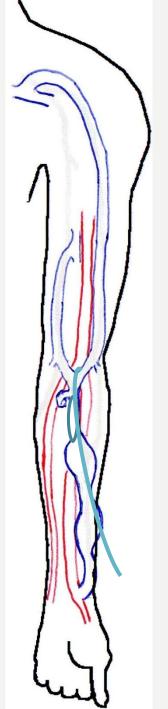




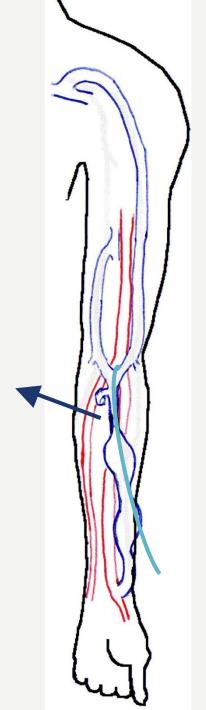




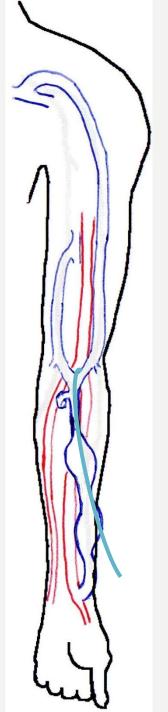


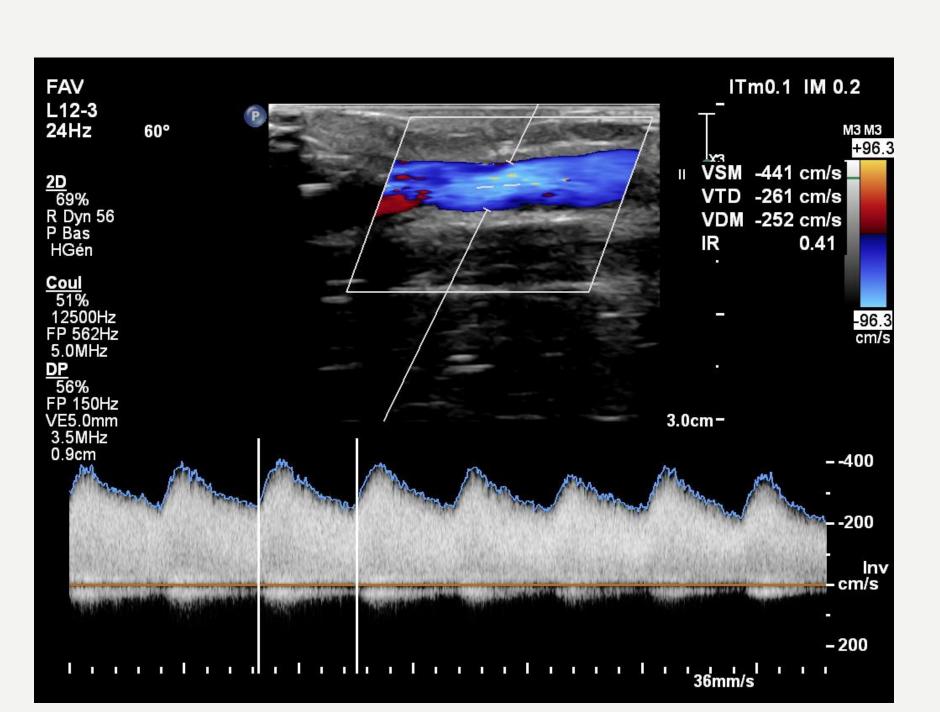


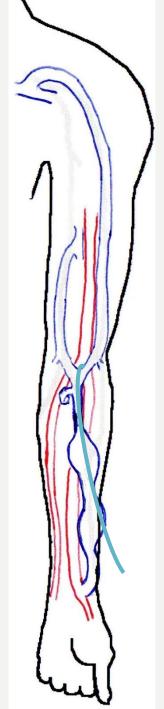




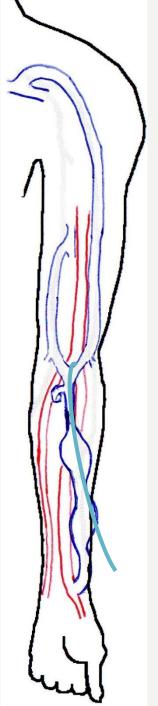




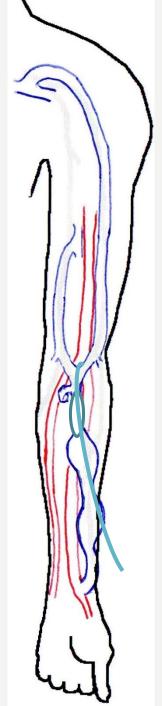




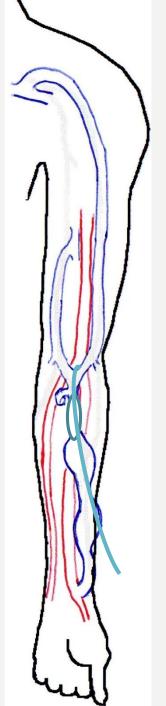




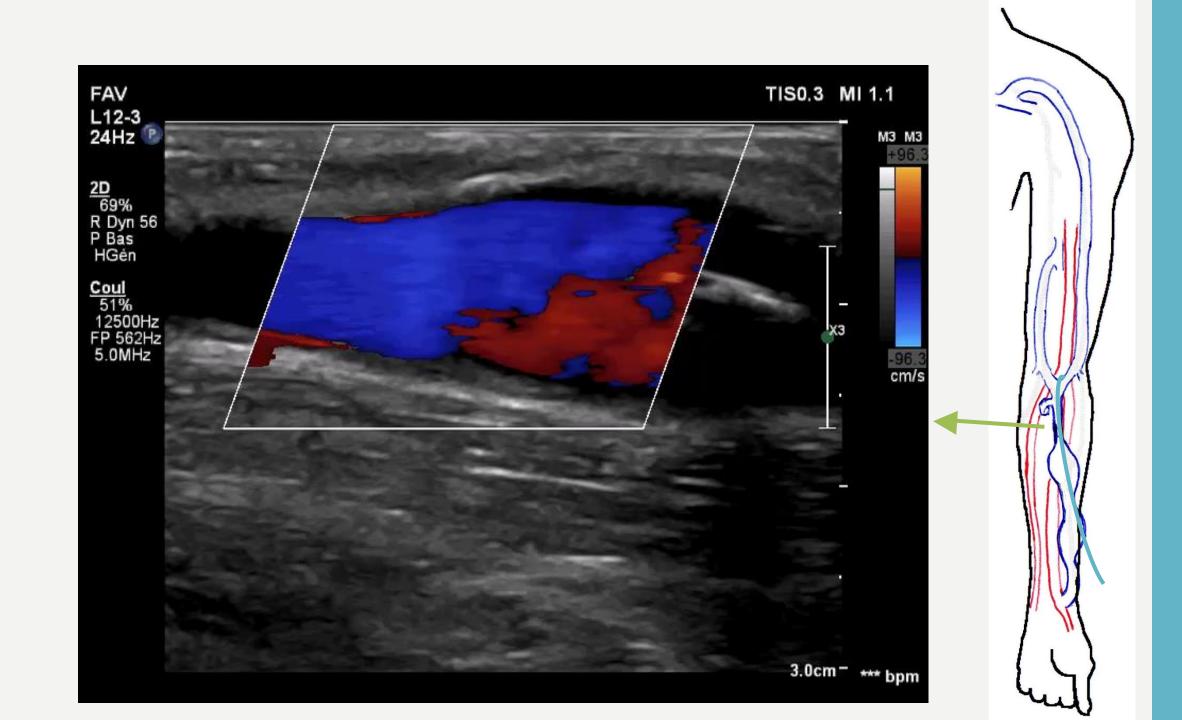


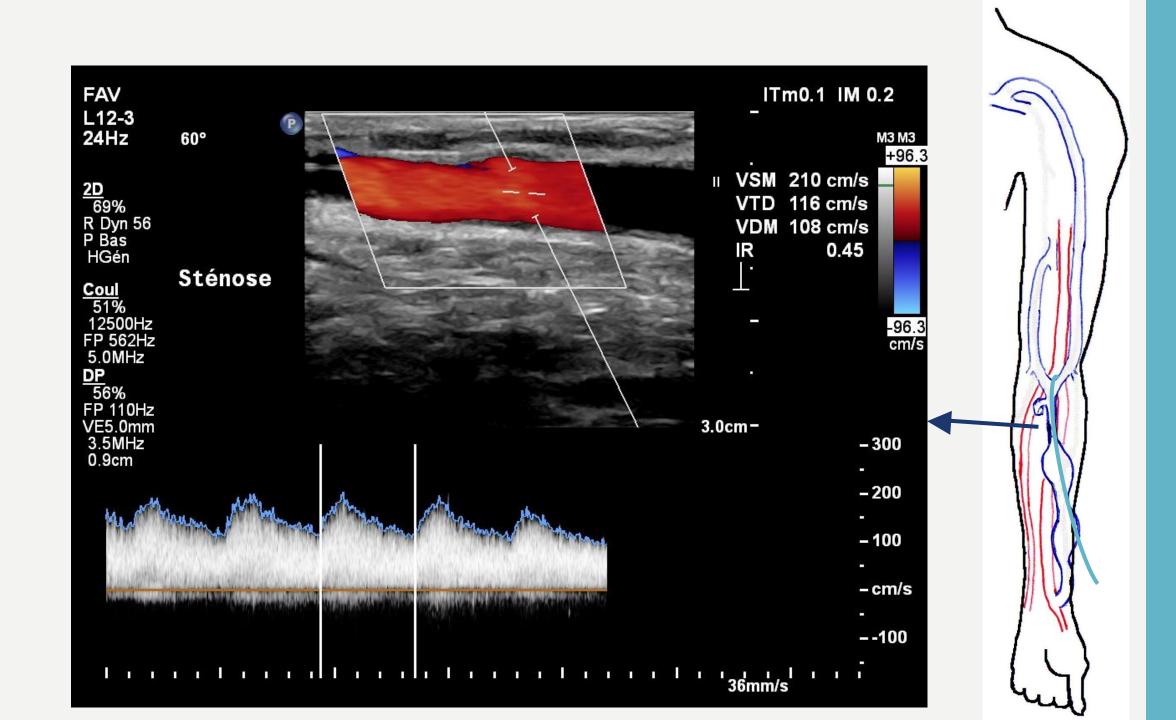


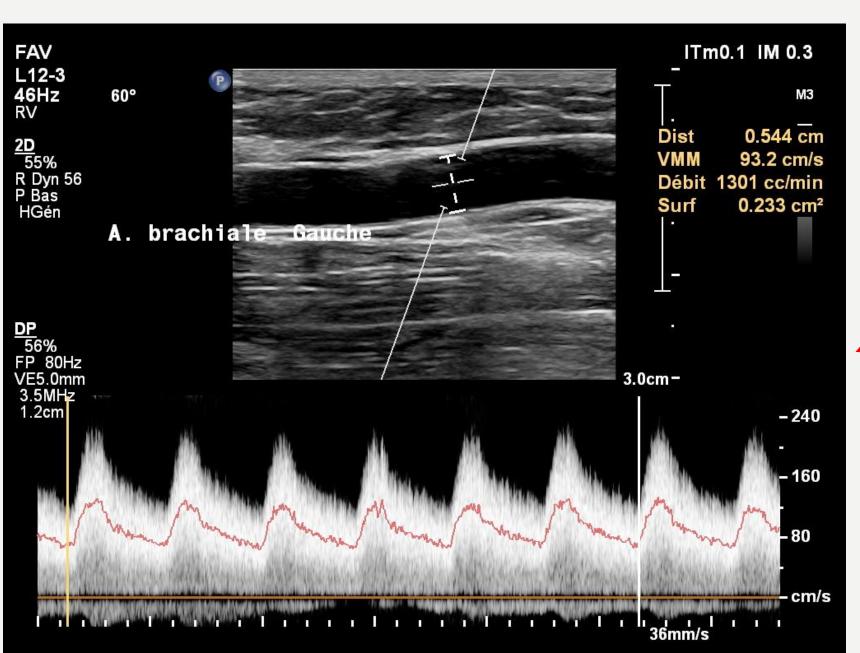


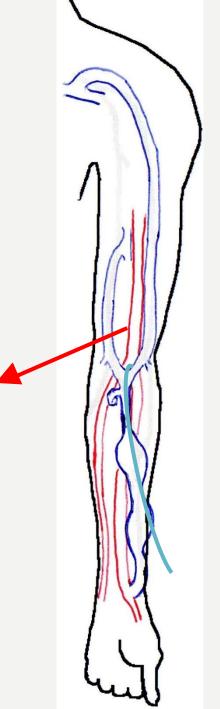






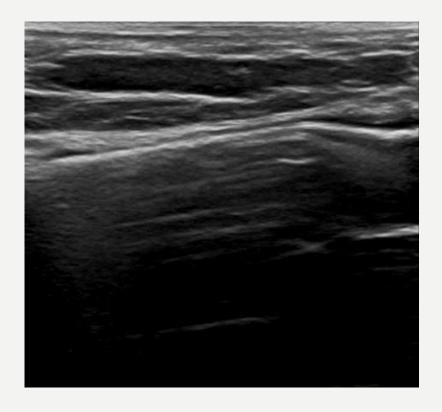






HOURGLASS SIGN





3 - AND WHAT ABOUT COMPLICATIONS ?

RUPTURE: WALL HEMATOMA

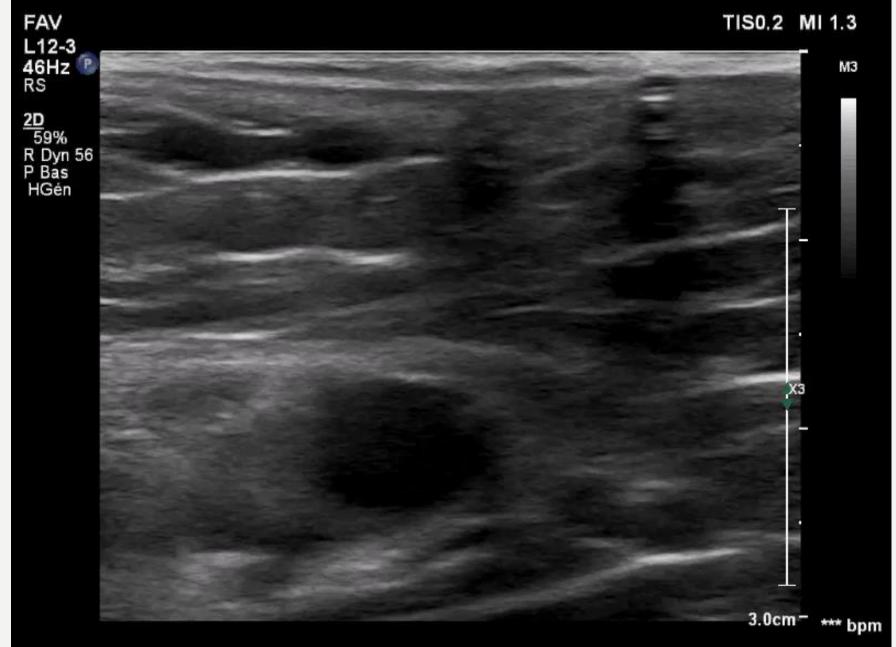




THE ICEBERG



THE ICEBERG



RUPTURE: HEMATOMA

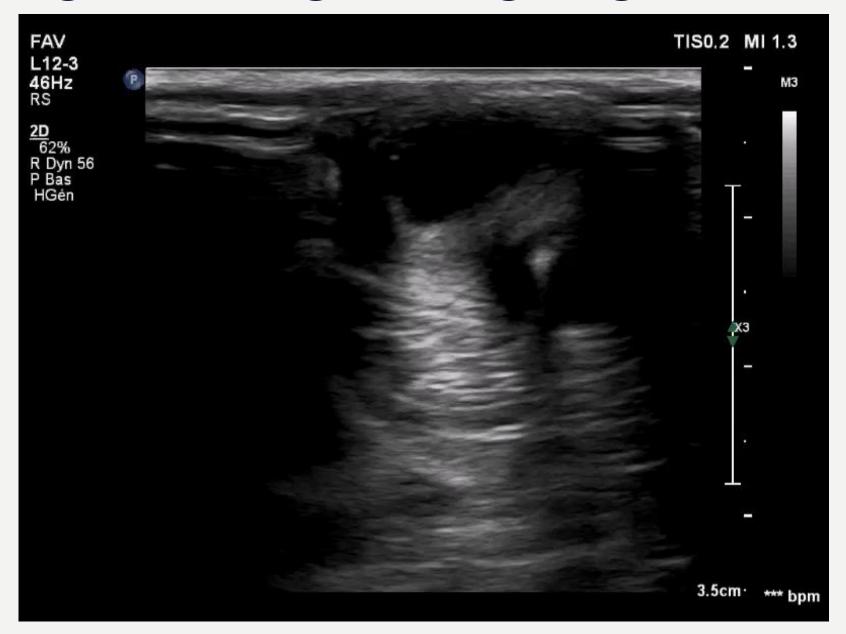
Tip of the iceberg

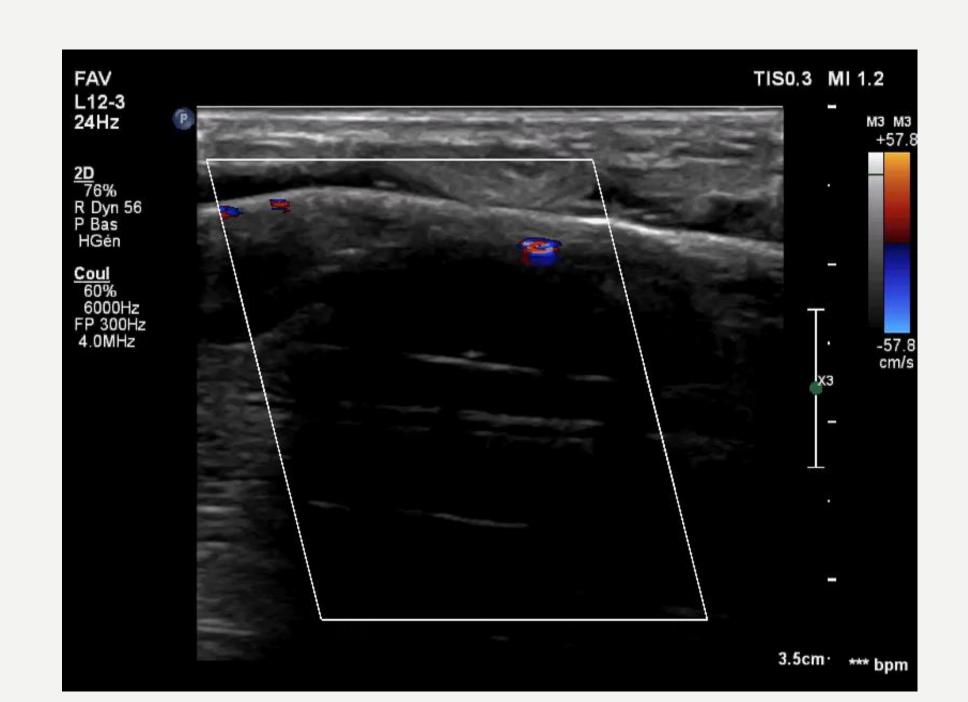
Submerged part

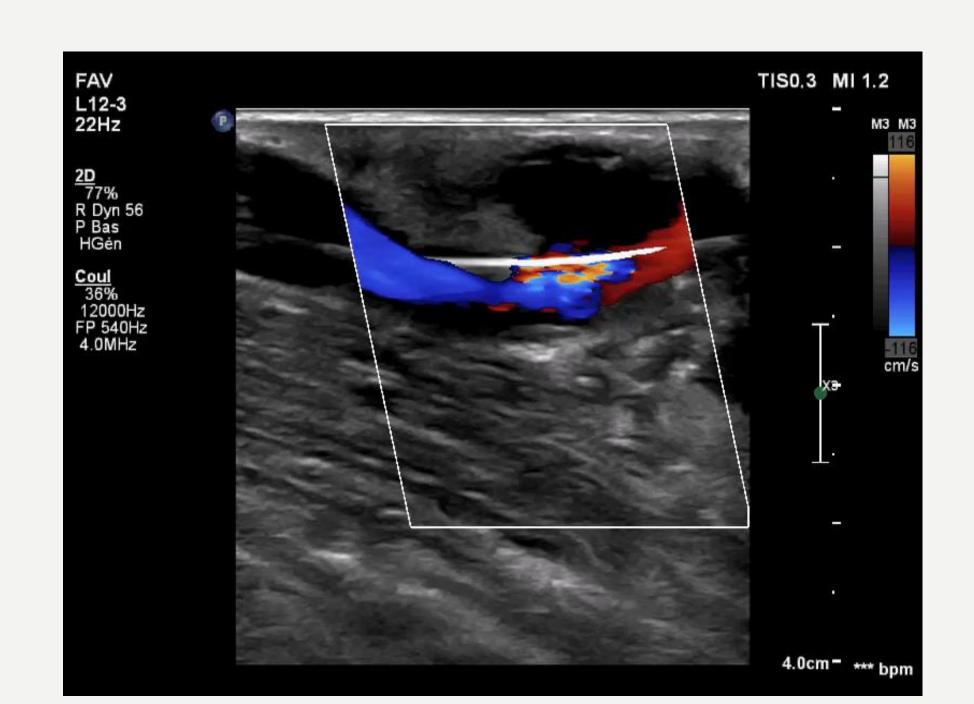




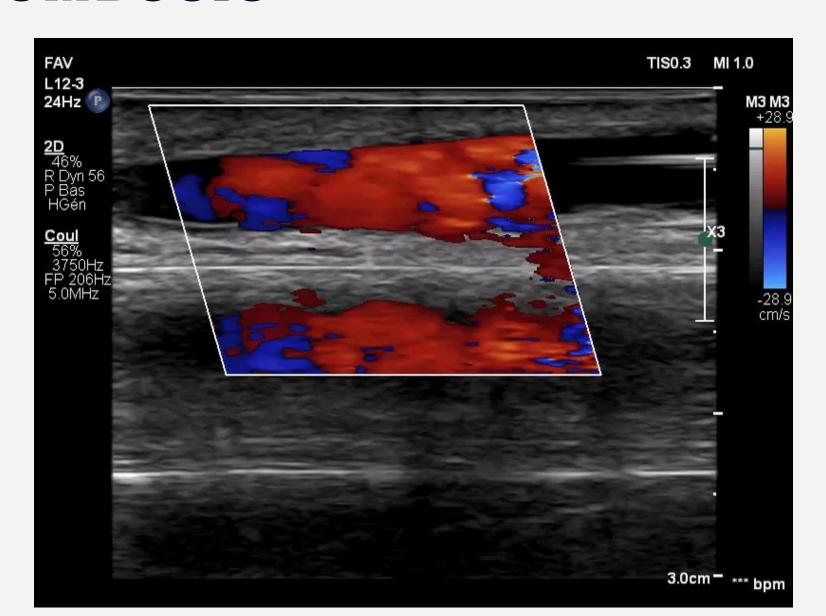
RUPTURE: FALSE ANEURYSM







THROMBOSIS





TAKE HOME MESSAGE

Duplex-scan is safe imaging to treat AVF as well as to diagnose and treat angioplasty's complications

Ultrasound guidance:

You can do it: all the venous side, stenting

You can't do it : proximal deep vein obstruction

You can do it but it might be much more difficult to manage complications : cephalic arch, radial artery

