VASCULAR INVESTIGATIONS

Abdulmajeed Altoijry, MD, MSc, FRCSC Assistant Professor & Consultant Vascular Surgeon King Saud University Medical City King Saud University

> Sensitive:

> Operator dependent:

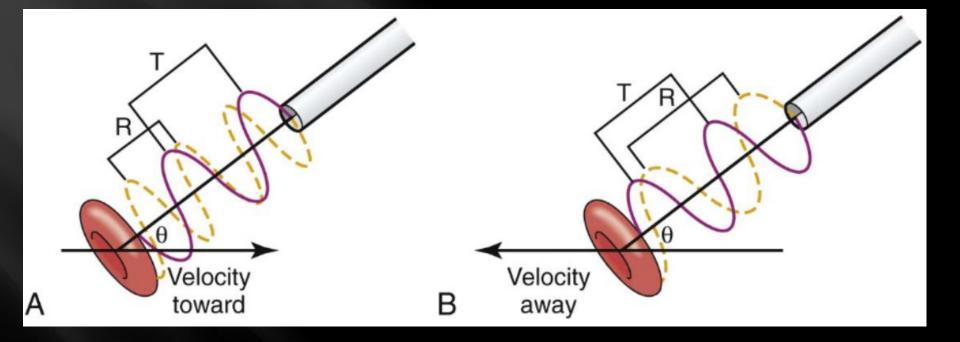
> Toxic:

➤ Therapeutic:

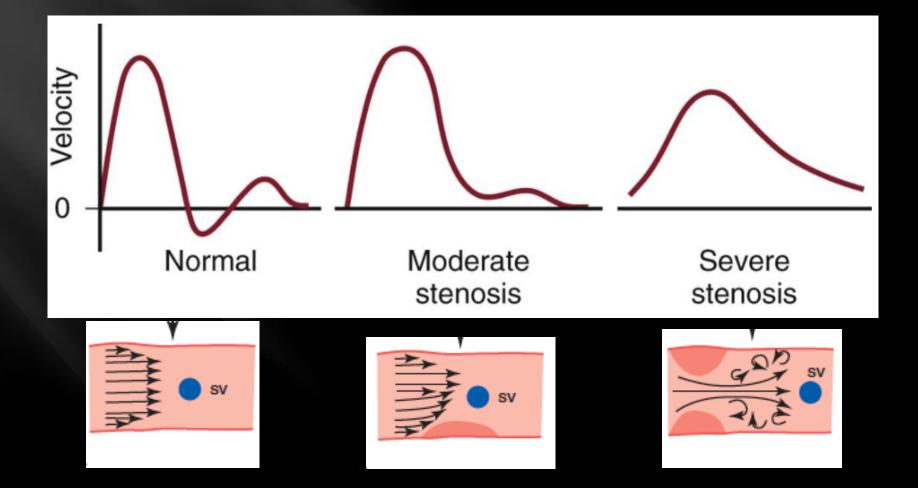
HANDHELD DOPPLER



HANDHELD DOPPLER



HANDHELD DOPPLER



ABI = ANKLE SBP(PT OR DP)/HIGHEST ARM SBP



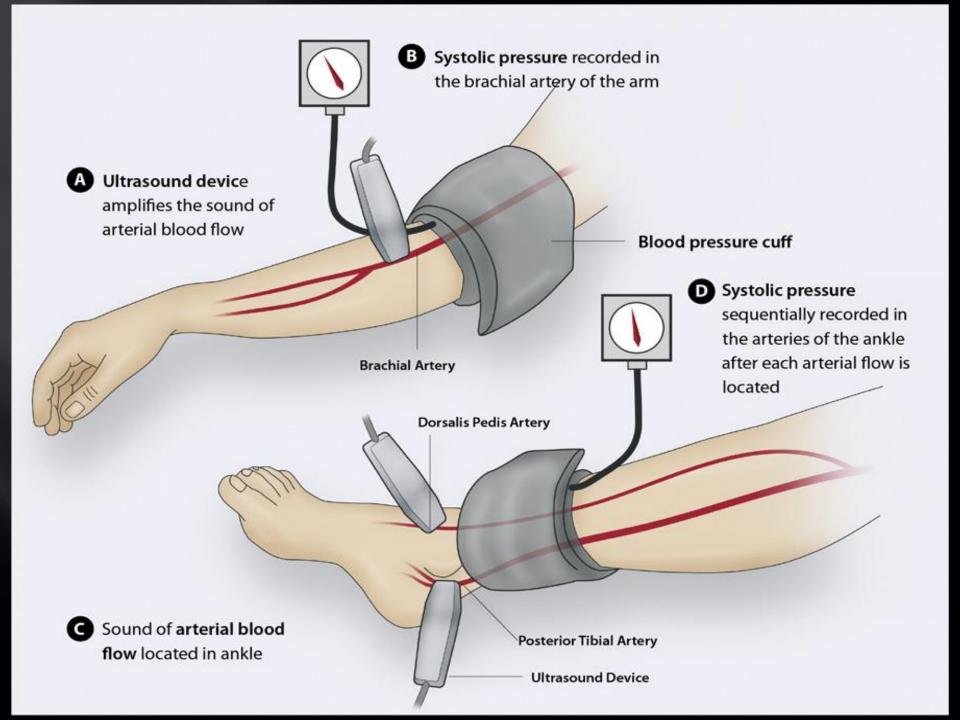


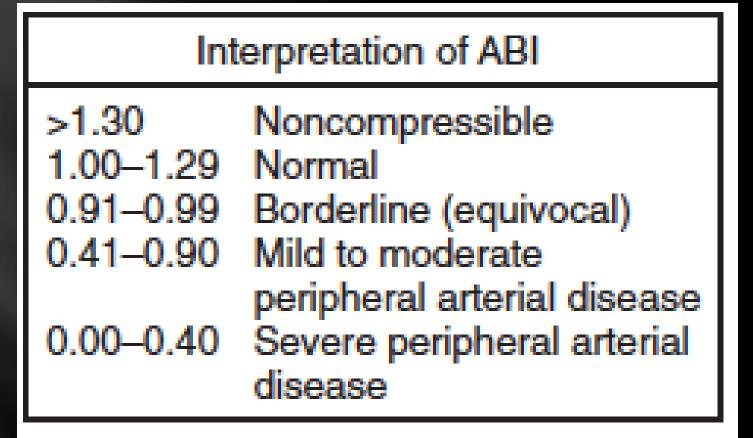






ANKLE BRACHIAL INDEX

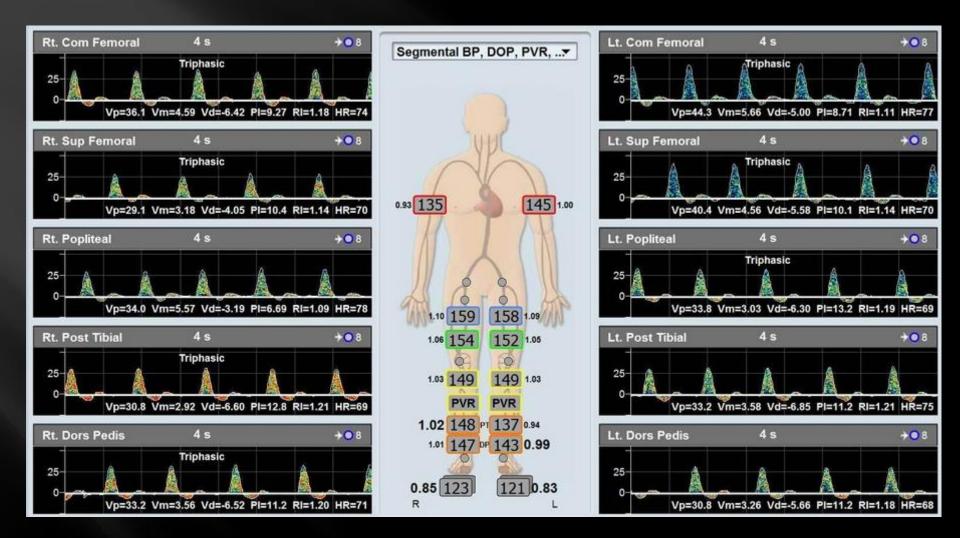




The ABI has limited use in evaluating calcified vessels that are not compressible as in Diabetics

SEGMENTAL PRESSURE





Sensitive:

\triangleright Operator dependent: $\checkmark \checkmark \checkmark$

 \checkmark

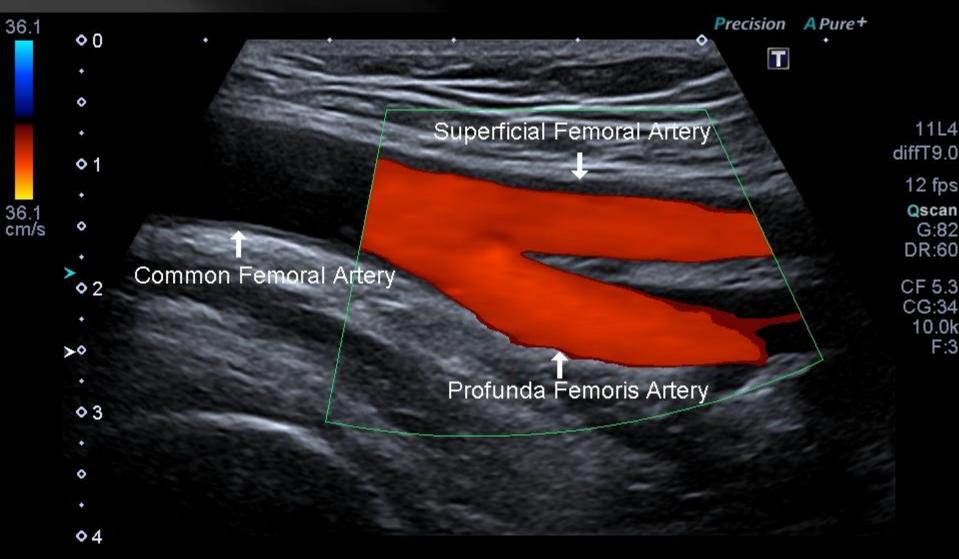
≻ Toxic: ×

> Therapeutic: ×

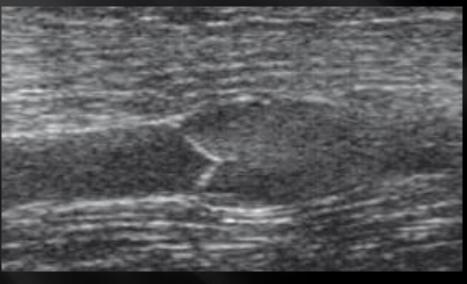
B - mode + Color Doppler

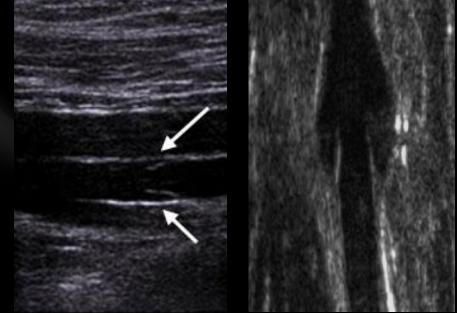


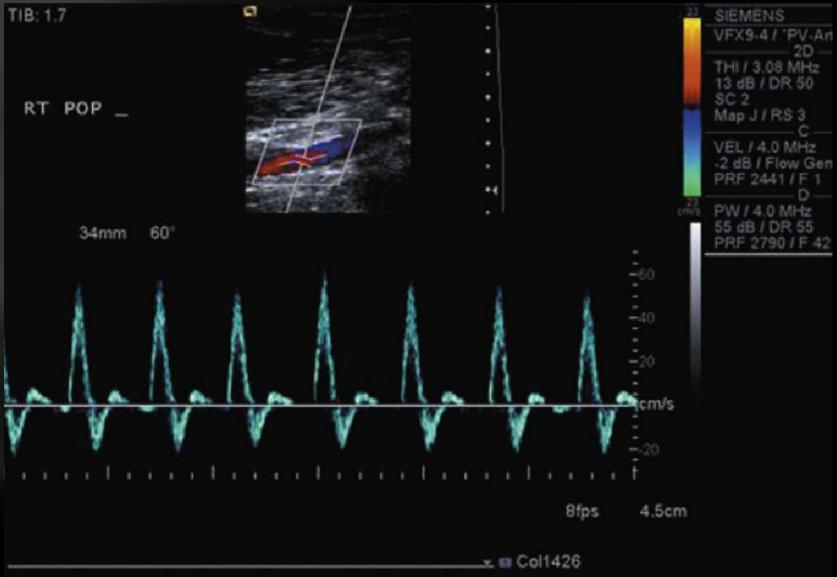


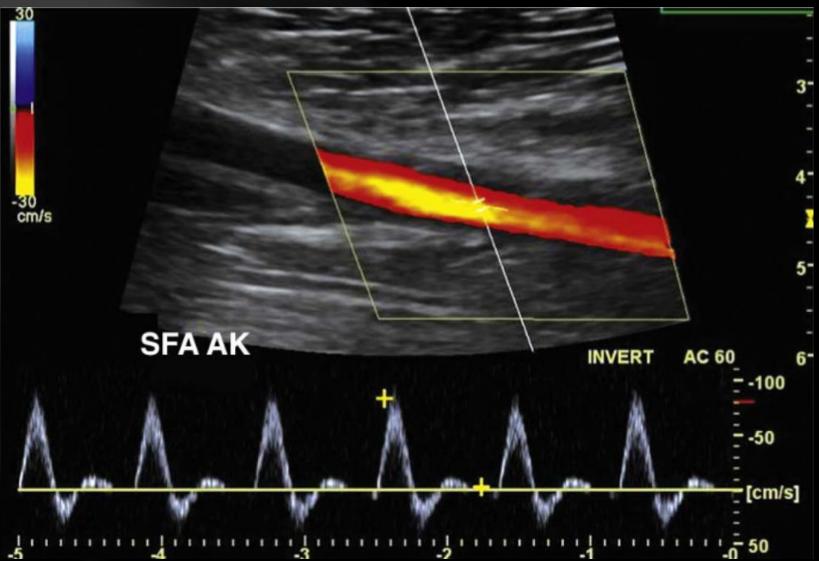


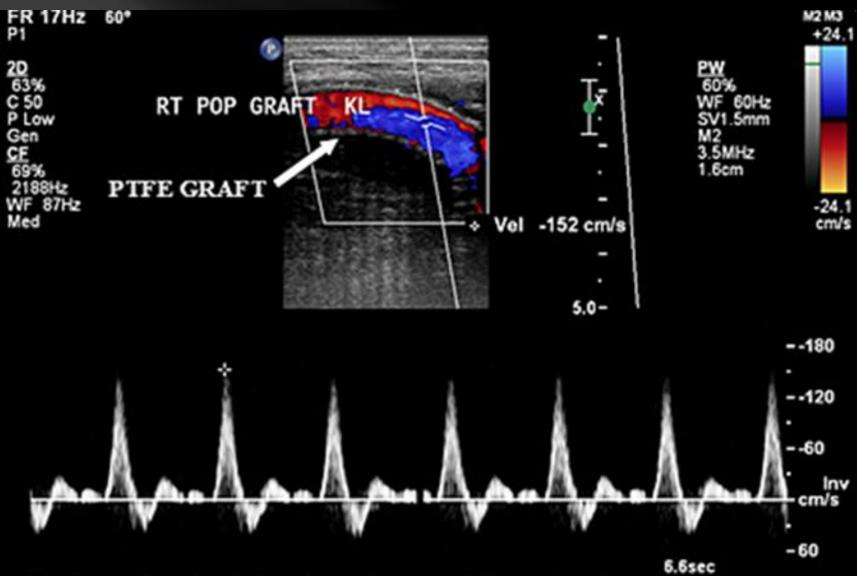
Proximal Thigh











\succ Sensitive: $\checkmark \checkmark \checkmark \checkmark$

\triangleright Operator dependent: $\checkmark \checkmark \checkmark$

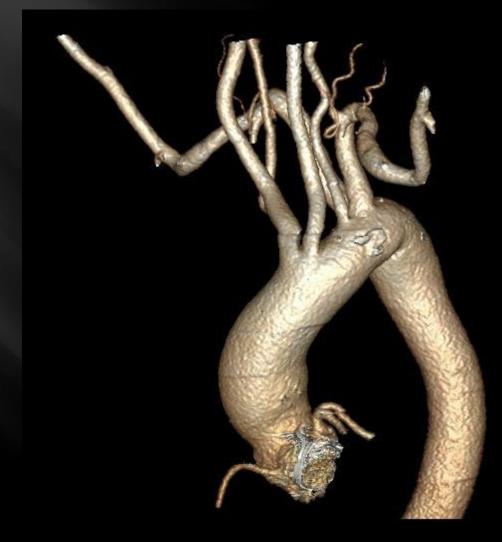
≻Toxic: ×

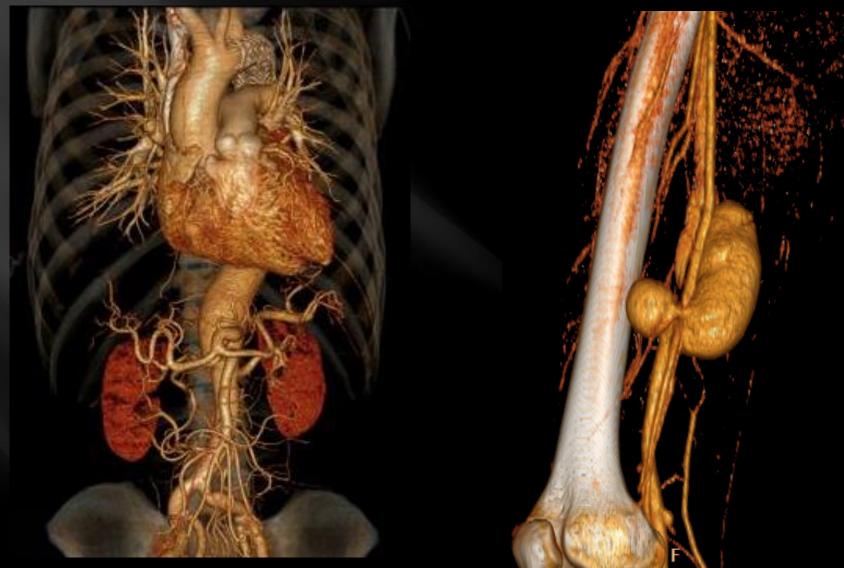
> Therapeutic: ×













\succ Sensitive: $\checkmark \checkmark \checkmark \checkmark \checkmark \checkmark$

> Operator dependent: >

> Therapeutic: ×

MR ANGIOGRAM



MR ANGIOGRAM

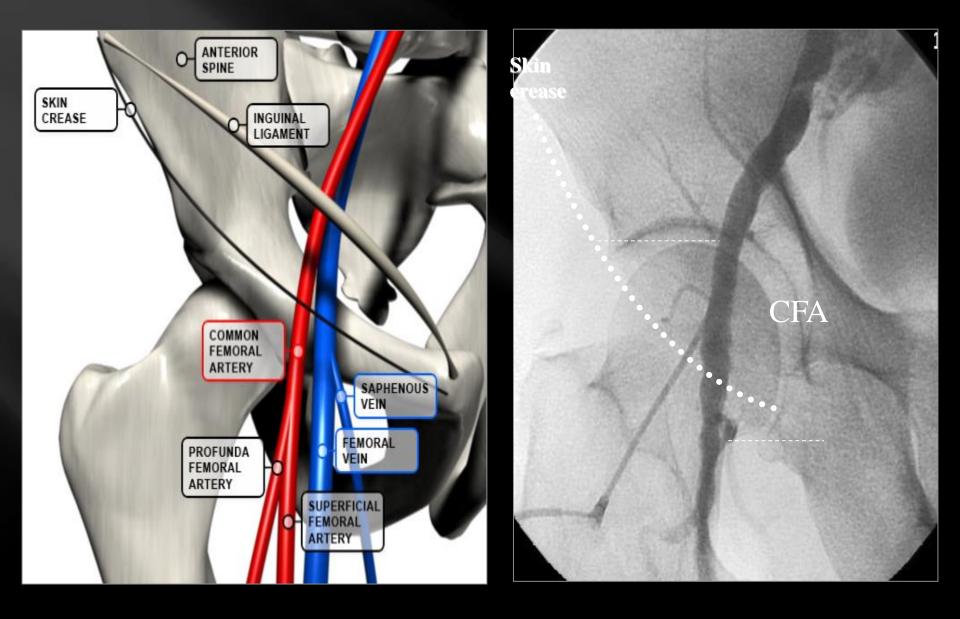


> Operator dependent: >

> Therapeutic: ×



Femoral Artery





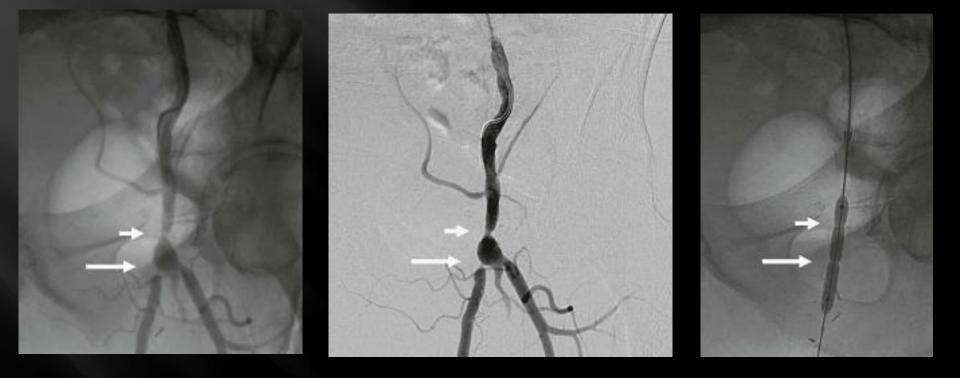


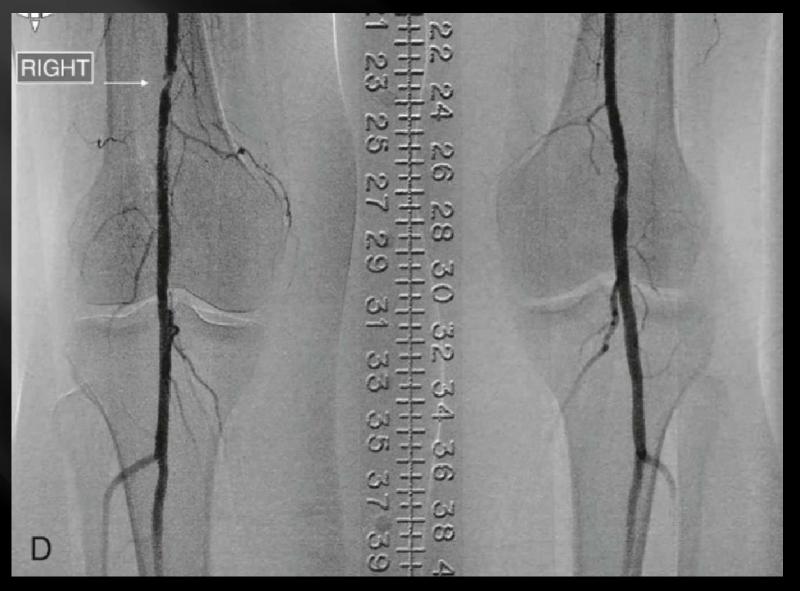


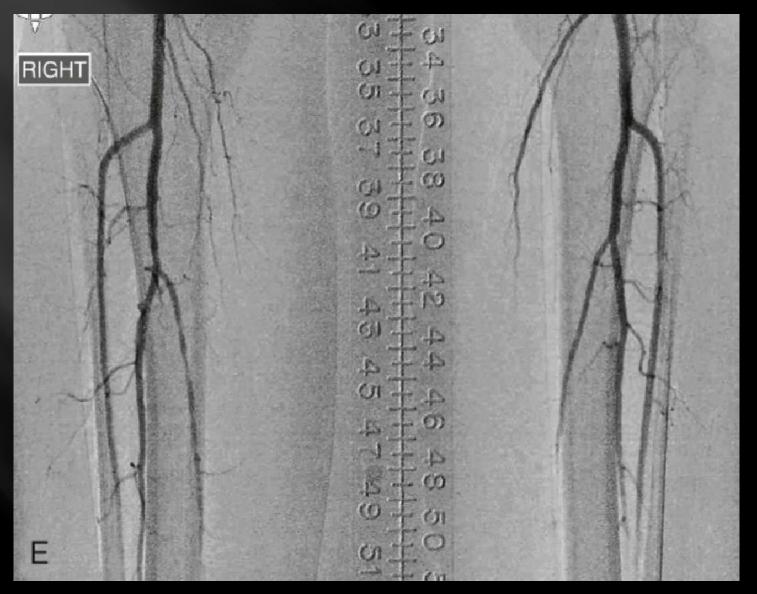


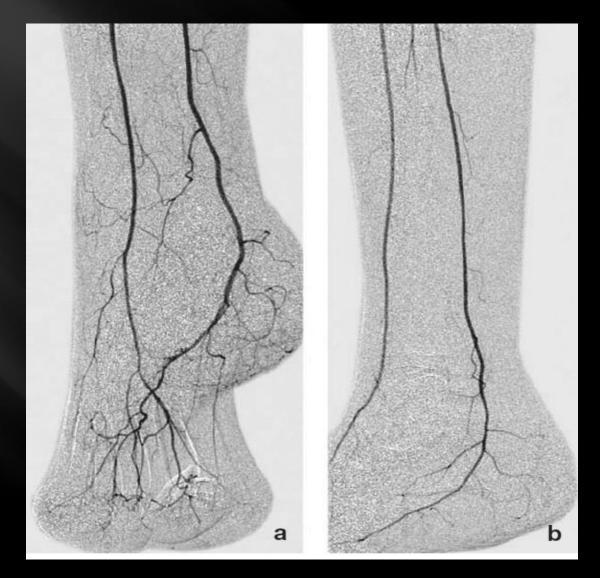


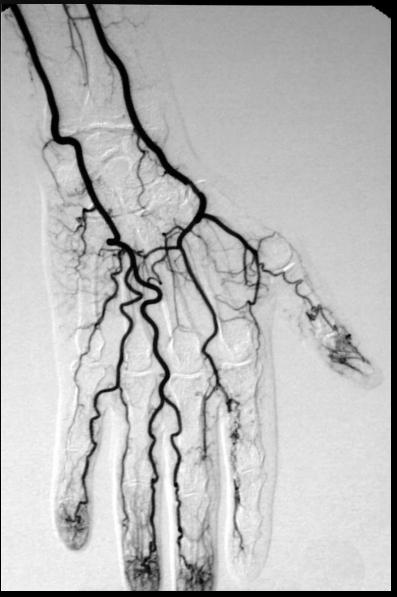














\succ Sensitive: $\checkmark \checkmark \checkmark \checkmark \checkmark \checkmark$

> Operator dependent: >

▷ Therapeutic: √ √ √

THANK YOU