

Case Study – series 1

This study relates to a 72-year-old female patient:

You are to consider the clinical information and images provided.

There are 6 questions.

Total marks - 22

Clinical History

- Patient:
- A pleasant small in stature 72-year-old female
- Past relevant history
 - Right lower limb angiogram,
 - Angioplasty, and
 - Superficial Femoral Artery (SFA) stent insertion +
 - Thrombolysis.
- Current presentation
 - Acute rest pain especially at night relieved by sitting or standing
 - There is no other history provided
 - This is also a 6-month post-operative follow-up
 - GP suggests exercise testing may be challenging

Patient pressures were performed

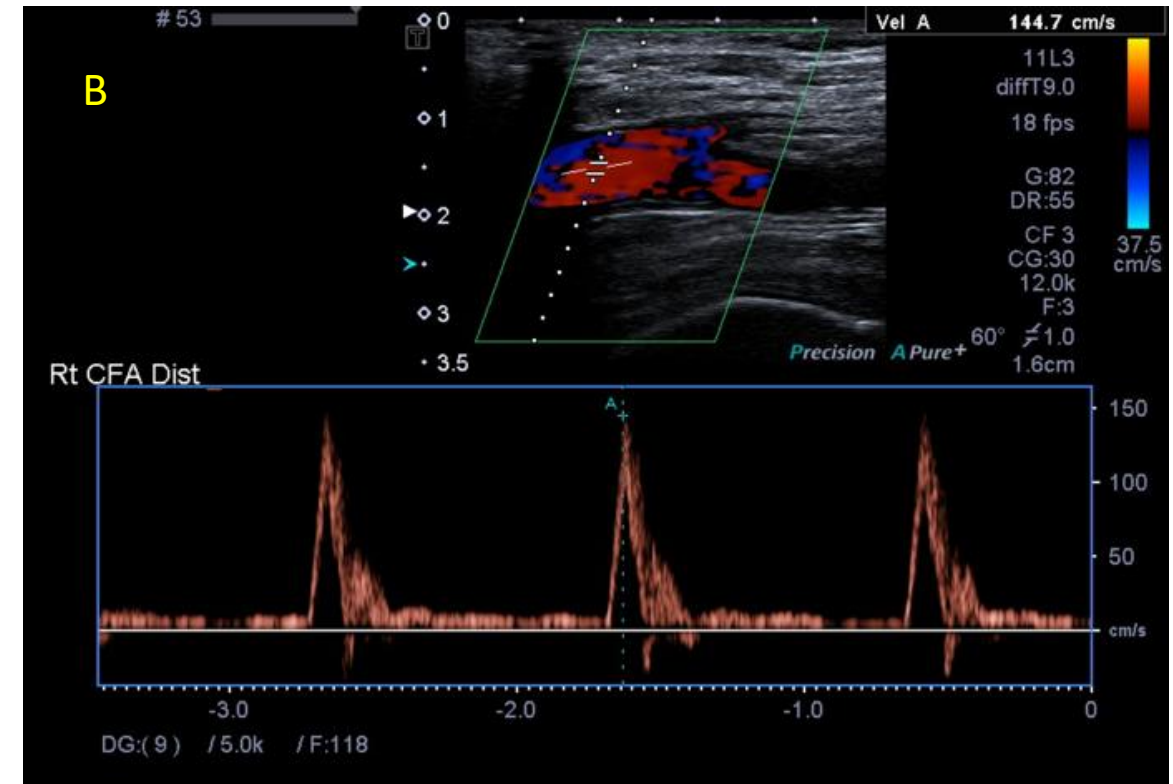
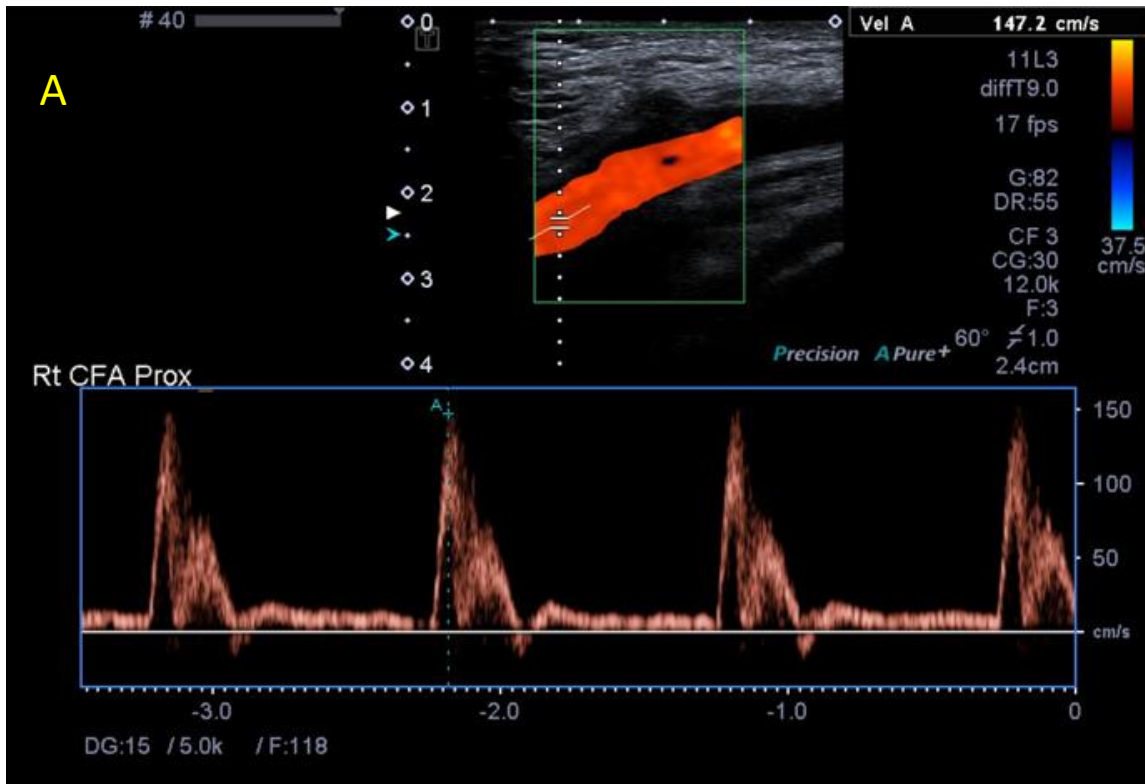
- Pressures (mmHg) are as follows:

Right Brachial BP	132	Left Brachial BP	138
Posterior Tib	inaudible	Posterior Tib	78
Dorsalis Pedis	inaudible	Dorsalis Pedis	74
Toe	No signal	Toe	46

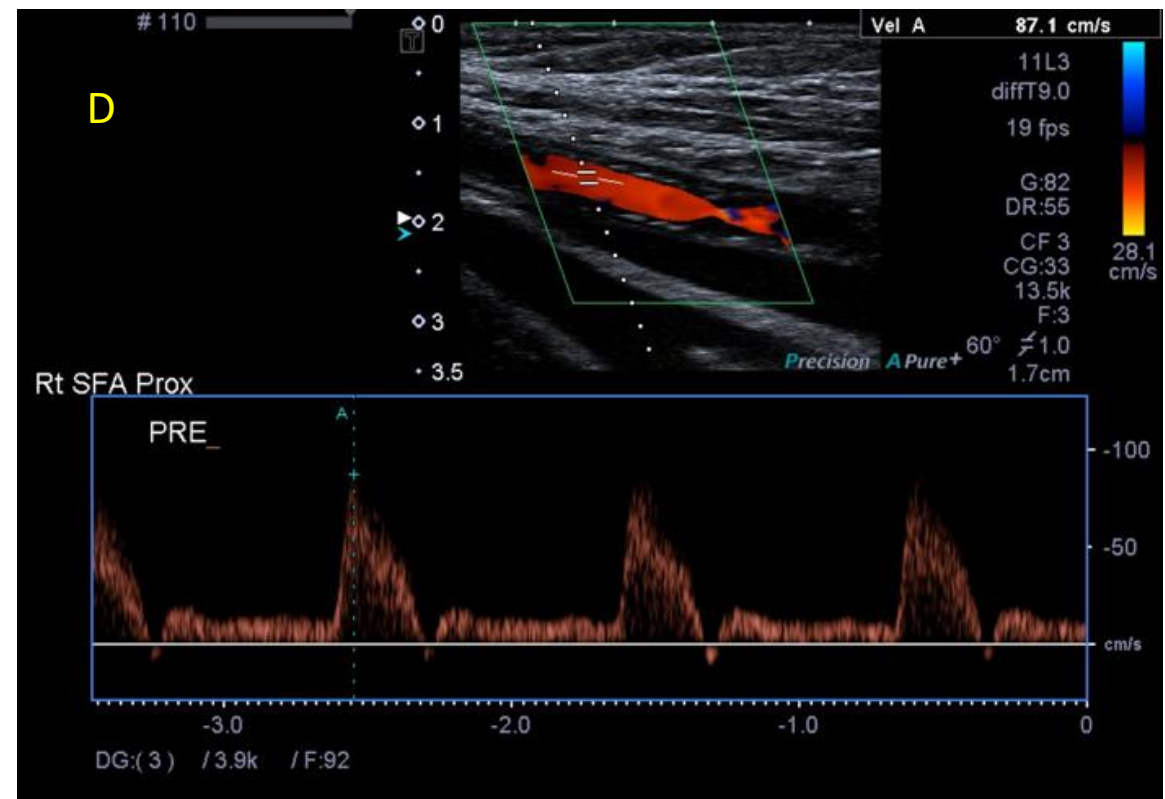
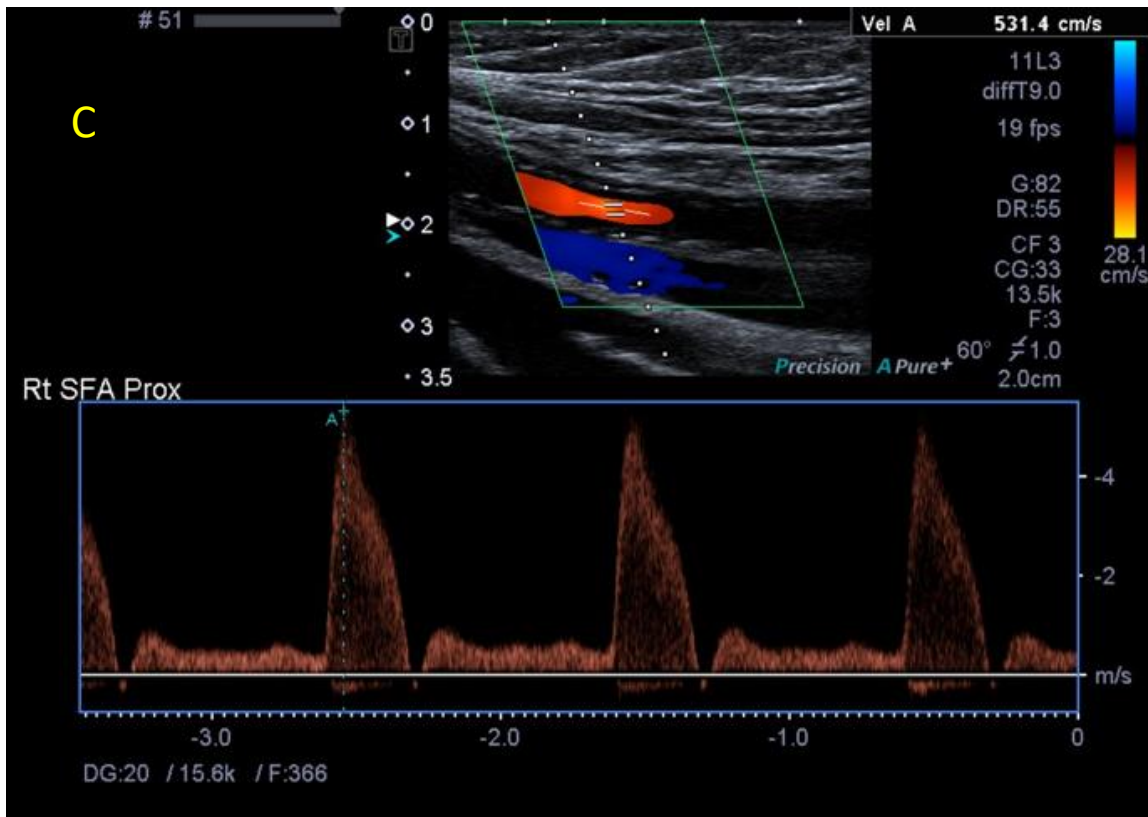
Images:

- The following sample of images (A- K) taken in this examination.
- Look closely at the spectral and Colour Doppler images
- They have been clearly labelled

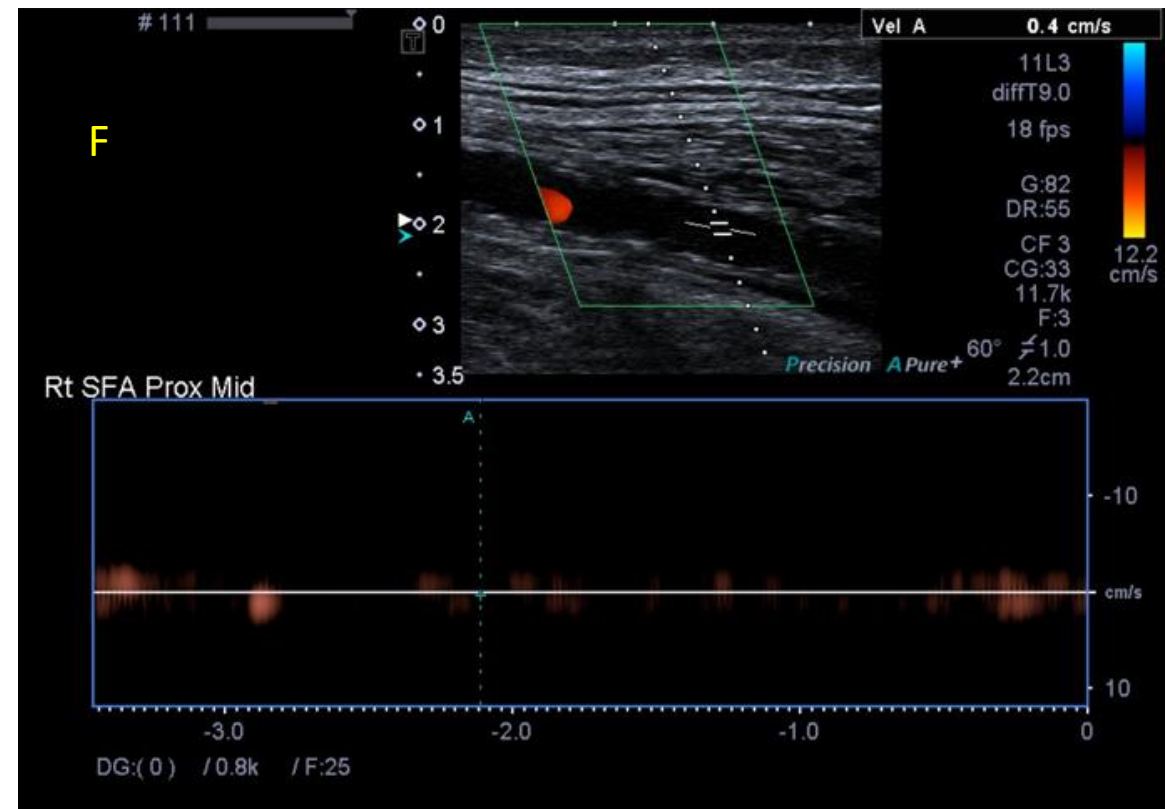
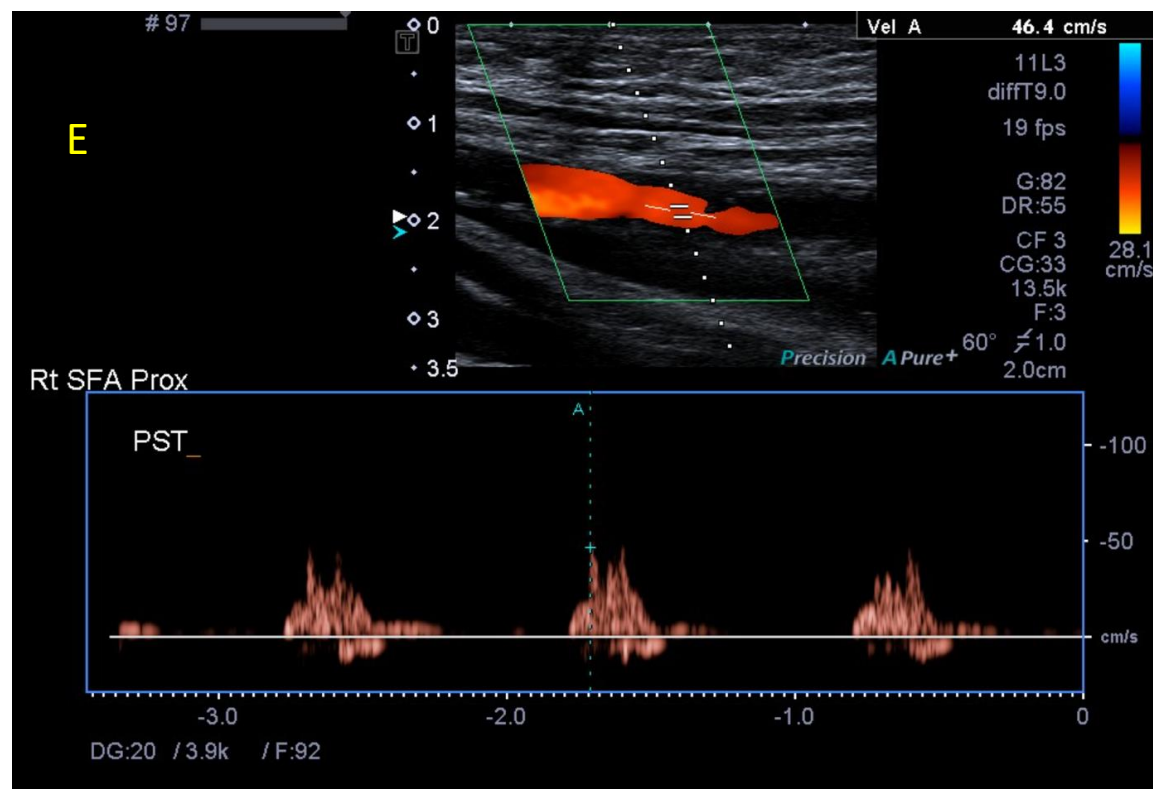
Images A & B



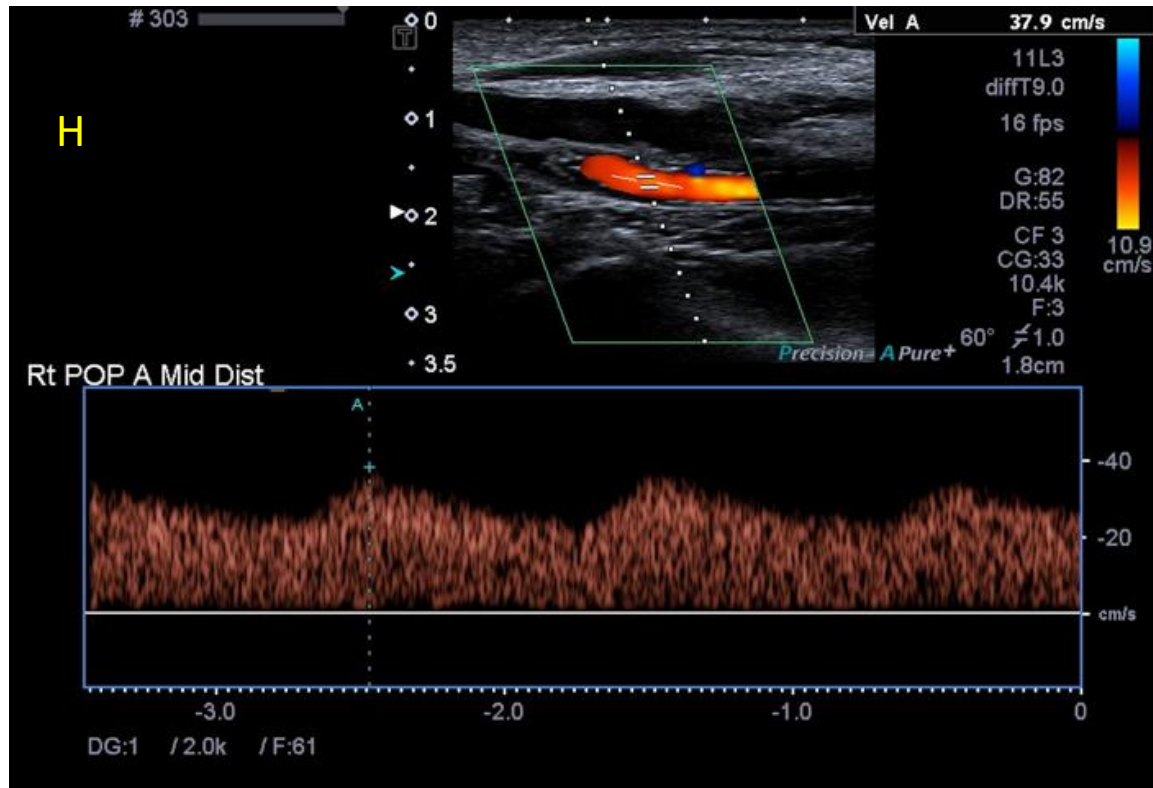
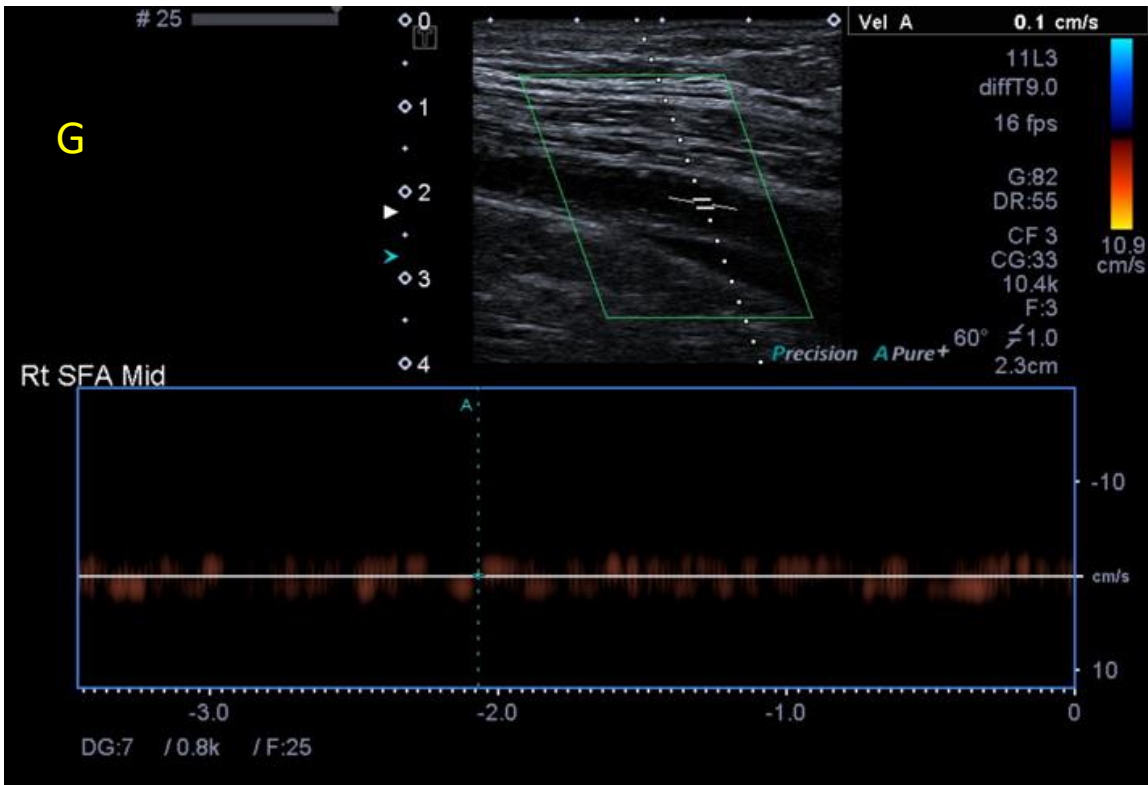
Images C & D



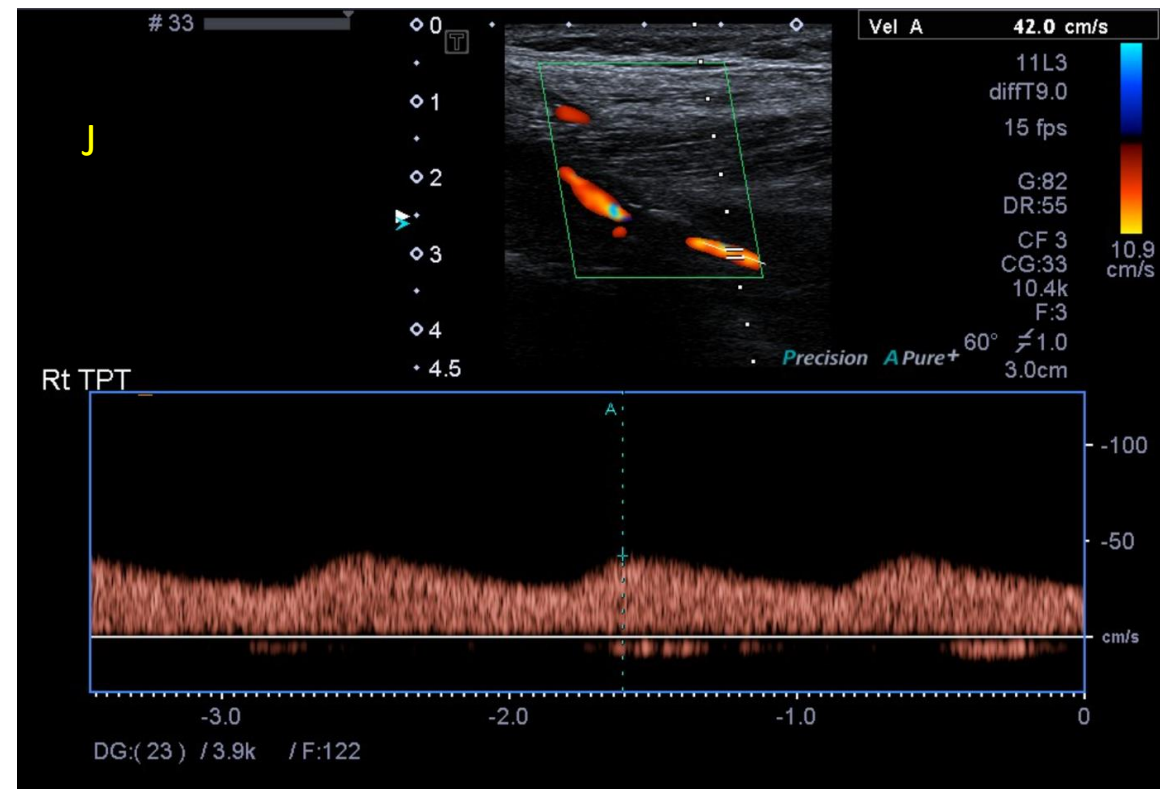
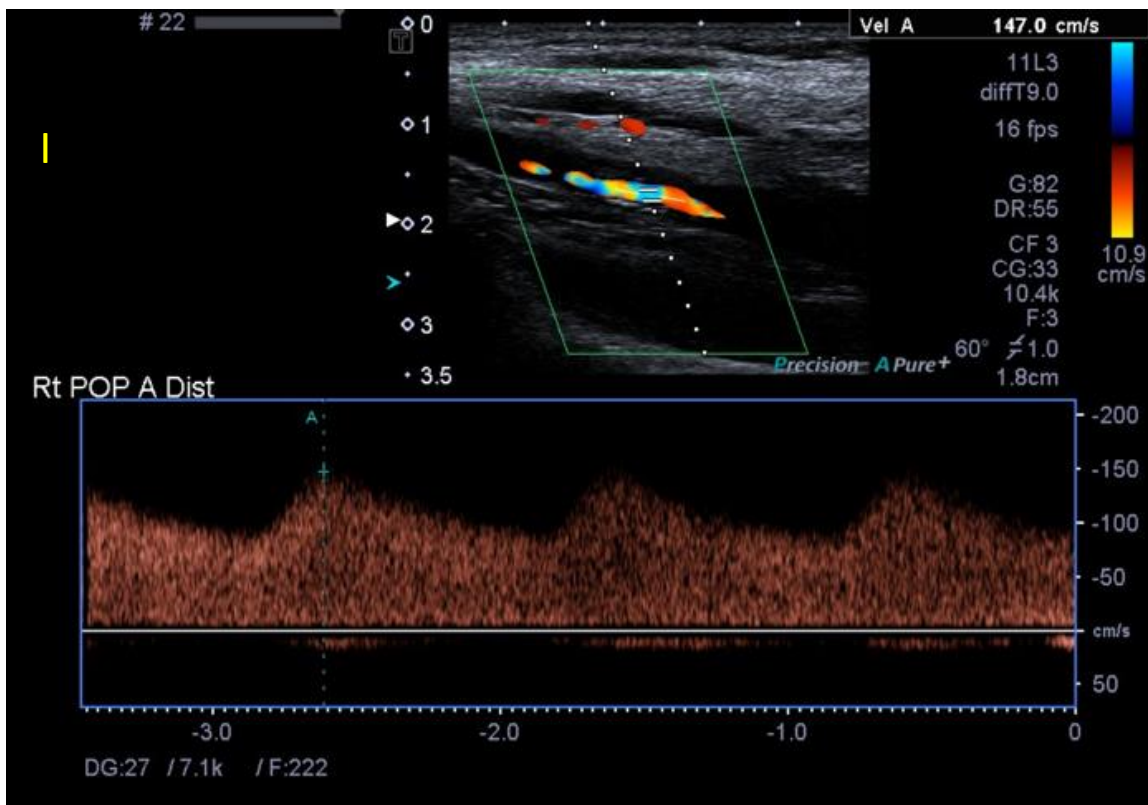
Images E & F



Images G & H



Images I & J



Questions:

1. Considering your patients history, provide an overview of the most likely pathological process that has occurred prior to intervention. What issues would your client have had physically? [5]
2. Is the information about resting pain relevant? If yes why, if no why? [2]
3. Provide an overview of the information detailed from the patient's arterial pressure study. [2]
4. Consider the waveforms in the following images and describe using consensus document information: Indicate in your answer if they are normal or abnormal flows. [8]
 - a) Image A
 - b) Image E
 - c) Image H
 - d) Image J
5. With the images provided, **complete the arterial worksheet-** and provide an overview of the sonographic findings. [4]
6. Would your patient benefit from an exercise study? If so how, if not why not [1]