

Sample Applied Exam – Vascular Surgery

Case 1

A 65-year-old woman is referred to you for an ulcer located on her medial malleolus. It has been refractory to local treatment for 4 months.

She has a history of coronary artery disease (CAD), type 2 diabetes, and a stroke 4 years ago (2009).

There is no history of DVT.

She is an active smoker at ½-pack per day.



Physical Examination:

- palpable femoral pulses
- no palpable distal pulses

Vascular laboratory results:

ABI is 0.55

Question 1

What is your approach?

MODEL ANSWER

- Quit smoking
- Compressive therapy
- Arterial imaging.
- Venous US to assess superf and deep incompetency as well as perforators
- Options are to address venous incompetency by performing supra-geniculate saphenectomy



- Should revasc prior to venous surgery.

GSV used as a conduit if suitable, both a and v treated simultaneously