

Assessments and assignments- Advanced Vascular Sonography

Due Date: 10th September 11pm

Part A: Assessment Plan

Overview:

Peripheral Arterial Disease (PAD) is a major reason patients present to your departments for investigation. One of the simplest initial investigations comes in the form of the Ankle Brachial Index (ABI).

This first assignment, you are to demonstrate your skills in obtaining an ABI which should form the first part of your PAD assessment plan.

Background:

Intermittent claudication is considered a classic symptom of peripheral arterial disease – we know that patients may present with calf pain on exertion that doesn't ease until the patient has rested for a period of time. The diagnosis of PAD is important for patient outcomes – and the role of the ABI assessment is a sensitive a specific non-invasive test that can assist in the diagnosis of PAD even with no symptoms.

The following chapter provides background to the role of the ABI study (**chapter 10**): This chapter can be found in the assignment folder

- Kramer, C. M. (2020). *Imaging in Peripheral Arterial Disease Clinical and Research Applications / edited by Christopher M. Kramer*. (1st ed. 2020.). Springer International Publishing: Imprint: Springer. <https://doi.org/10.1007/978-3-030-24596-2>

TASK:

You need to demonstrate you can perform an ABI study – consider a real patient presenting for an ABI study, and respond to the following components:

- Create a 7-minute presentation including
 - a. Evidence of you performing an ABI on a patient
 - b. Speaking clearly as to what and why you are doing
 - c. A reflection on the study,
 - including whether your study was normal or abnormal
 - Please include how this simple ABI study may be extended to assist with PAD detection.

Ideas of submission:

- Please use real patient conditions, but you can demonstrate your skills using a model.
- Why are you performing an ABI, what information do you expect to find.
- How do you present these findings

You could present this in one of the following methods

1. PowerPoint presentation
2. A PowerPoint presentation with embedded video of ABI examination
3. A PowerPoint presentation of key points + video of ABI examination

Reflection and referencing

- Must be included in the PowerPoint
- Your reflection must be within the “notes” section of the PowerPoint presentation

Formatting and other requirements

Before you begin: You should familiarise yourself with the following:

- Timing – this entire package must be no longer than 7 minutes
- **Academic Integrity** – Students should review the following link to ensure you understand responsibilities relating to academic integrity (note Rubric requirements)
<https://lo.unisa.edu.au/mod/book/view.php?id=252142>
- **Referencing** – You can use [IEEE Referencing](#)
- **Remember: if you use an automatic reference process, YOU must check your references prior to submission.**
- **Non-compliance with this referencing style will translate to a fail.**
- **Formatting:** Don't over crowd your presentation with words
- **Submission style:** - Video + PowerPoint OR PowerPoint only
- **Rubric:** Assignments will be marked according to the rubric below. The percentage weightings of each component of the assignment can also be found here. In keeping with all the courses in the postgraduate diploma of medical sonography, you will not be given a marks breakdown, but rather a HD, D, C, P1, P2 or F grade.

Part A: Assessment Plan Video and Reflection Marking Rubric RADY 5034

Part A submission	Does not meet standard Fail	Meets standard Pass
Submission Weighting 10%	- No evidence of a submission - Longer than 7 minutes	- Submission meets requirements
Student performs ABI Weighting 35%	- Submission fails to demonstrate ABI - Poor demonstration of an ABI study - Audio is unacceptable	- ABI performed with clear explanation - Clearly demonstrates self-performance
Extension of an ABI Weighting 10%	- No evidence of ABI extension - Incorrect extension	- Speaks to extension of physiological study
Reflection Weighting 35% This weighting will be ½ if there are no notes	- No evidence of a reflection - Poor understanding of ABI - fail to provide link between PAD and ABI study	- Considered presentation - Clear reflection on the purpose of the ABI study - Demonstration of link between ABI and PAD
Academic Integrity Weighting 5% - <i>If the student fails this category, they will be referred to an academic integrity officers.</i>	- There is no evidence or little evidence of citation of literature. - Literature if cited is limited in number and incomplete. - No evidence of paraphrasing. - Inconsistent referencing. - Workplace images used without a signed statement from supervisor.	- Literature cited and complete with a variety of relevant, unique peer reviewed and scholarly resources. - Appropriate referencing style as advised. - Sources are integrated exceptionally well in the content to cover a comprehensive and succinct analysis of key concepts.
Grammar and mechanics Weighting 5%	Multiple typographic, grammatical and punctuation errors throughout reflection.	- Presentation flows smoothly - There are no typographic, grammatical and punctuation errors throughout reflection.