MRAD 302 Specialized Imaging 2 Reflection #3 – forms part of quiz #3 (5%)

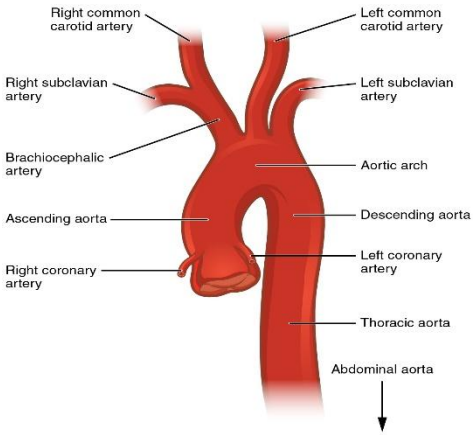
Reflection: The Major Blood Vessels of the Aortic Arch

Reflections are designed to encourage you to think critically about your experiences, apply theoretical knowledge to practical situations, and develop your professional identity as a medical imaging technologist.

Topic: The Major Blood Vessels of the Aortic Arch

1. List the major blood vessels of the aortic arch and provide a sketch/diagram demonstrating these vessels?

   The major blood vessels or the aortic arch include, A- Aortic arch, B- Brachiocephalic artery, C- left Common carotid artery, and the left Subclavian artery.



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2. Why is the LAO position beneficial during thoracic angiography? Consider the visualization of the aortic arch and its branches (blood vessels)?

   LAO positioning is beneficial during a thoracic angiography because it provides an optimal angle to see the aortic arch and the branches with minimal superimposition of the thoracic structures. Aortic arch curves from the right to the left, the oblique angle separates the aortic arch and its major branches (branches—such as the brachiocephalic artery (innominate artery), left common carotid artery, and left subclavian artery, allowing them to be seen distinctly rather than overlapping. LAO helps in detecting any stenosis, aneurysms, or other vascular abnormalities more clearly.

Word count: 200-250 words

Reflective Writing Rubric

Criteria	1 Point	2 Points	3 Points
Critical Reflection	Basic understanding of topic	Some reflection, with basic analysis	Deep reflection with thoughtful analysis
Application to Practice	Limited connection to medical imaging practice	Clear connections to medical imaging practice	Insightful application to medical imaging practice
Writing Quality	Basic writing with some clarity issues	Clear writing with minor errors	Well-written, clear, and concise