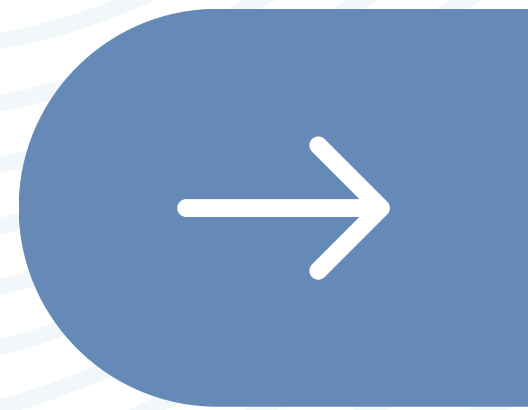


#DIBS BY NEXTILLO

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DERIVATIVES OF VARIOUS AORTIC ARCHES





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DERIVATIVES OF VARIOUS AORTIC ARCHES

The aortic arch is the section of the aorta between the ascending and descending aorta. The aortic arch has 3 major branches. brachiocephalic trunk, left common carotid artery, and the first branch of the aortic arch is the left subclavian artery.



AORTIC ARCHES

- ***The aortic arch or pharyngeal arch arteries are a series of 6 paired embryological vascular structures which give rise to the great arteries of neck and head.***
- ***The first and second arches disappear early.***
- ***A remnant of the 1st arch forms part of the maxillary artery, a branch of the external carotid artery.***
- ***The third aortic arch constitutes the commencement of the internal carotid artery, and is therefore named the carotid arch.***
- ***Arch 4 Also known as the systemic arch. The fourth right arch forms the most proximal segment of the right subclavian artery, as far as the origin of its internal thoracic branch.***
- ***The fifth arch either never forms or forms incompletely and then regresses.***
- ***The sixth left arch gives off the left pulmonary artery and forms the ductus arteriosus;***





ABNORMALITIES OF AORTIC ARCH

- ***Common Origin of Brachiocephalic Trunk and Left Common Carotid Artery***
- ***Aberrant Right Subclavian Artery (ARSA)***
- ***Anomalous Origin of Vertebral Artery***
- ***Patent Ductus Arteriosus***
- ***Abnormalities of the Arch of the Aorta- Coarctation of the Aorta, Interrupted Aortic Arch (IAA), Right-Sided Aortic Arch, Persistent Fifth Aortic Arch (PFAA), Cervical Aortic Arch.***



MCQ

QUESTION

Double aortic arch occurs due to?

- A. Non development of right 4th aortic arch***
- B. Non development of left 4th aortic arch***
- C. Persistent distal portion of right dorsal aorta***
- D. Non division of truncus arteriosus***

• Ans-C