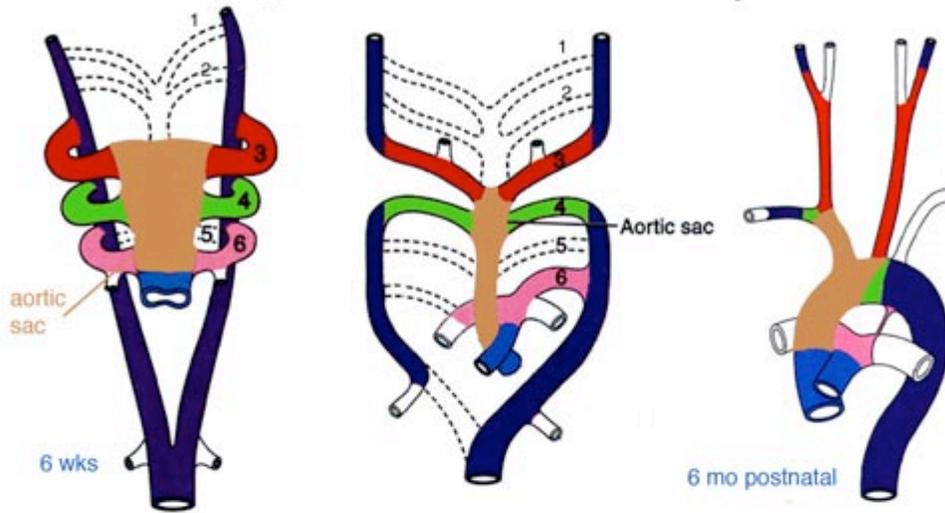


Changes in the aortic arch pattern



1st arch mostly disappears
maxillary a.
(part of external carotid a.?)

2nd arch mostly disappears
stapedial a.
(hyoid a.?)

3rd arch:
common carotid a.
part of internal carotid a.
internal and external carotid aa. sprout from 3rd arch

Aortic Sac (AS):
proximal part of aortic arch
brachiocephalic a.

4th arch on right:
proximal segment of right subclavian a. (rest of subclavian a. from 7th intersegmental a. and R dorsal aorta)

4th arch on left:
arch of aorta (from left common carotid a. to left subclavian a. only)

5th arch fails to form

6th arch on right:
right pulmonary artery
distal segment regresses

6th arch on left:
left pulmonary artery
distal segment persists as ductus arteriosus

truncus arteriosus:
contributes to ascending aorta
and pulmonary artery