

A. In Elasmobranchs

- In Stelliodon there are five pairs of aortic arches.
- Since no gill is developed in the mandibular region so that only five pairs of aortic arches persist in the adult.
- These are hyoid (II, III, IV, V and VI pairs).
- The first or the mandibular aortic arches have disappeared or represented by an efferent pseudobranchial artery.
- Hepatarchus = 7 pairs of aortic arches
- Each arch forms one afferent and two efferent arteries (by splitting) in each gill.
- The anterior continuation of the paired dorsal aorta gives rise to the internal carotid arteries supplying the brain and external carotid arteries supplying the jaws and the face.
- Selachians = 6 pairs of aortic arch
- I arch is lost.
- ~~Arteries + Venae cavae in.~~