

(B) In Anurans (Tail less amphibians)

In anuran amphibians only three pairs of aortic arches persist.

III, IV, VI aortic arches are retained only.

I, II and V pairs of aortic arches disappear.

The 3rd aortic arch along with a part of the ventral aorta becomes the carotid arch.

The IV aortic arch with its lateral dorsal aorta forms the systemic arch.

A break in the continuity of the lateral dorsal aortae between 3rd and 4th aortic arch (ductus caroticus) occurs by the disappearance of this part.

The ductus Botalli which connect the sixth arch with the lateral dorsal aorta also disappears.

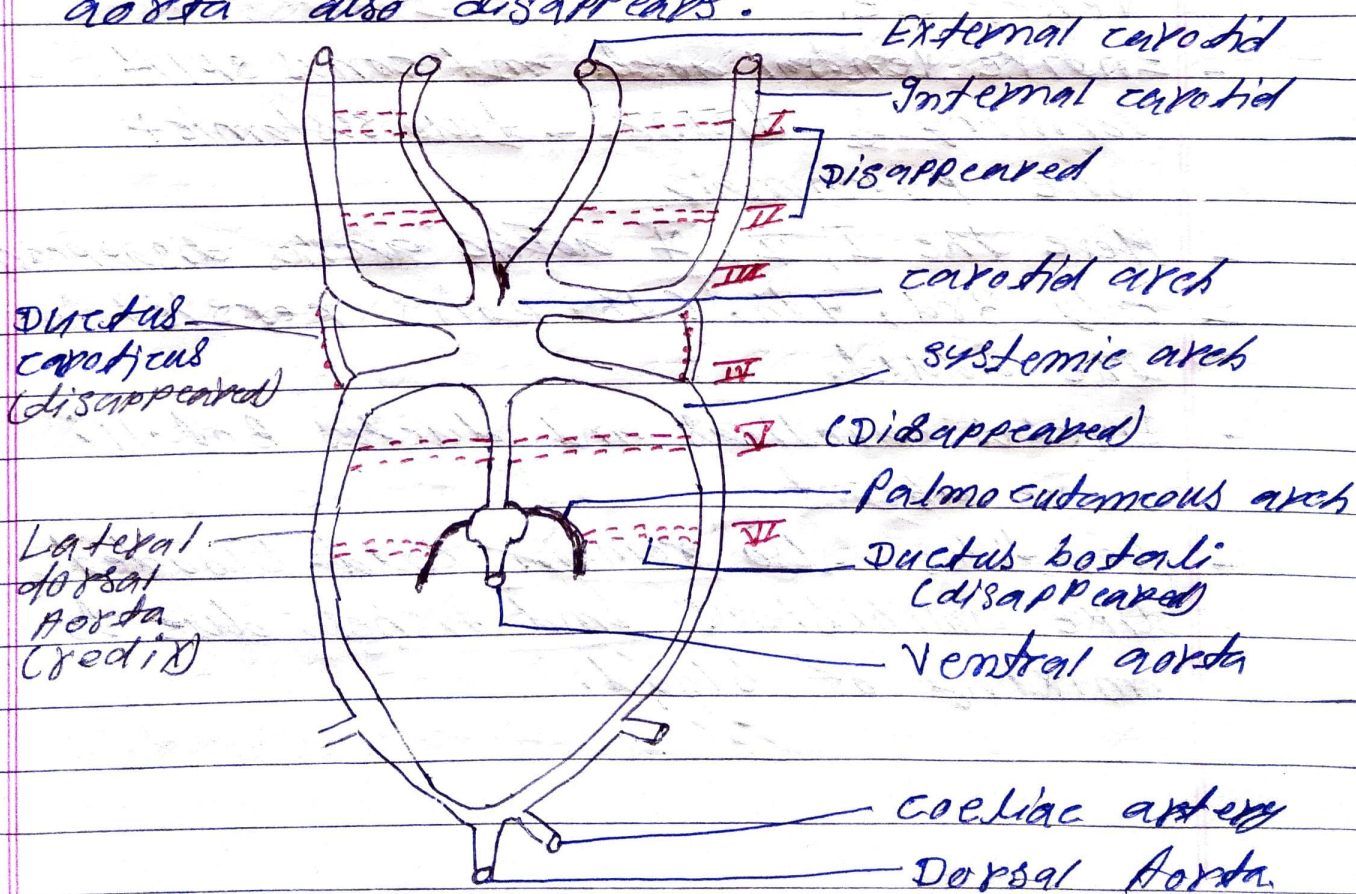


Fig: Aortic arches in anuran Amphibia