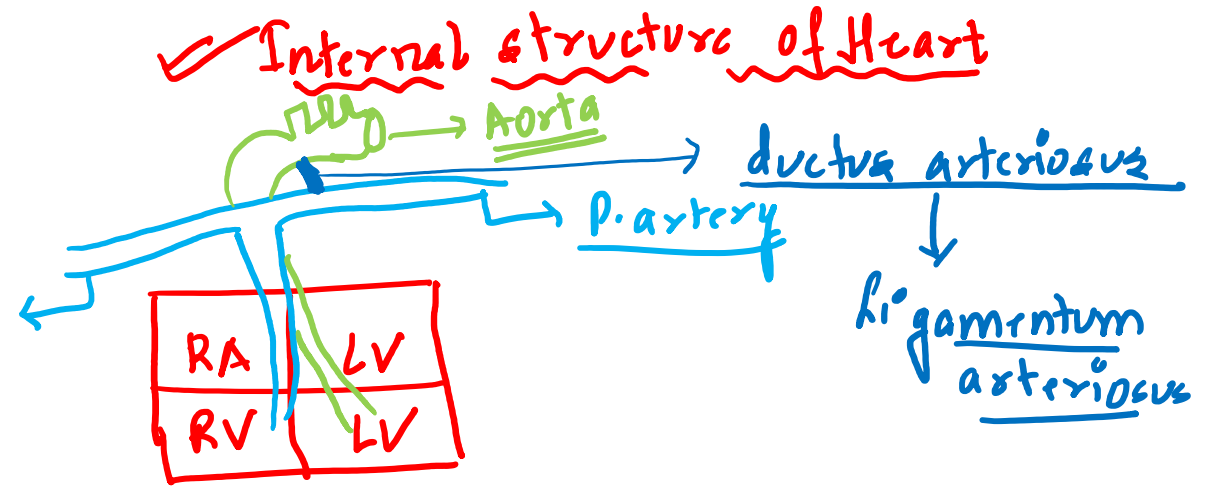
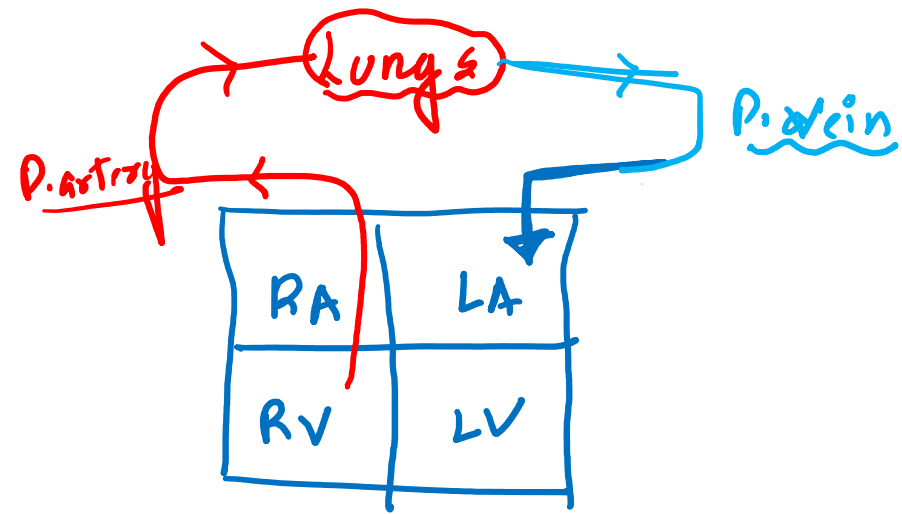


1. In mammalian embryo the pulmonary aorta artery communicates with carotico-systemic aorta by a narrow ductus arteriosus, in the adult this connection closes leaving:
- (A) Fossa - ovalis
  - (B) Carotico pulmonary aperture
  - ☒ (C) Ligamentum arteriosus
  - (D) None of these



2. To reach the left side of the heart the blood must pass through:

- (A) Sinus venosus      (B) Kidneys  
(C) Liver                ~~(D) Lungs~~



3. Characteristics of cardiac muscles are that they:

(A) Contract quickly and get fatigued

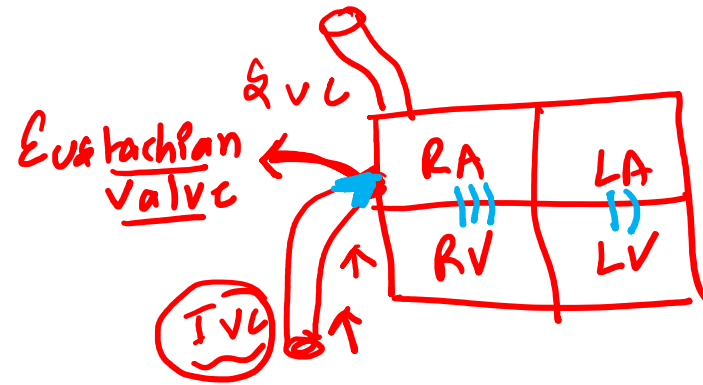
☒ (B) Contract quickly and do not get fatigued

(C) Contract slowly and get fatigued

(D) Contract slowly and do not get fatigued

4. Eustachian valve occurs in:

- (A) Connection between middle ear and Pharynx
- (B) Middle ear
- (C) Left ventricles of heart X
- (D) ~~Right auricle of heart~~ (IVC)

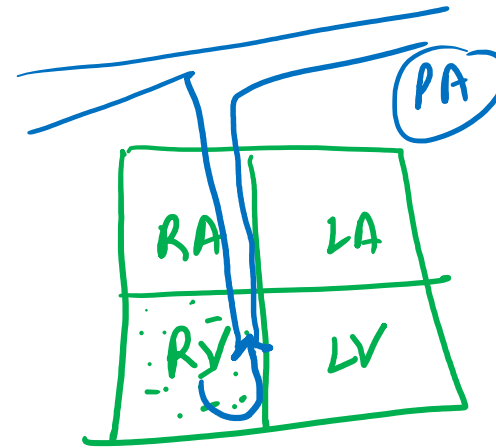


5. In heart of Human bicuspid valve is situated in:

- (A) Right auricle and pulmonary aorta
- (B) Post caval and auricle
- ☒ (C) Left auricle and left ventricle
- (D) Right auricle and right ventricle

6. When the right ventricle contracts the blood is pump into:

- (A) Superior vena cava
- (B) Dorsal aorta
- ☒ (C) Pulmonary aorta
- (D) Pulmonary veins



7. The wall of Human heart is thick due to presence of:

(A) Inner layer endocardium

☒ (B) Middle layer myocardium (95%)

(C) Outer most layer pericardium

(D) Outer layer epicardium

Cardiac Muscle

8. The Pulmonary artery arises from:

- (A) Left ventricle
- ☒ (B) Right ventricle
- (C) Left auricle
- (D) Right auricle





9. Three chambered heart is found in:

(A) Fish (2)

☒ (B) Frog (3)

(C) Rabbit (4)

(D) Man (4)

10. Heart of fishes:

- (A) Two chambered
- (B) Venous heart
- ~~(C)~~ Both A and B
- (D) None of the above

2 chambered, venous heart  
↳ 2 O<sub>2</sub>

11. Circulation in Human is:

- (A) Single and open
- (B) Double and open
- (C) ☒ Double and close
- (D) Single and closed

12. Open type of vascular system is predominant in:

(A) Fishes

~~(B)~~ Arthropods (Cockroach)

(C) Amphibians

(D) Earthworm

ANTHE

13. Which animal has most mixing of oxygenated and deoxygenated blood in the ventricles?

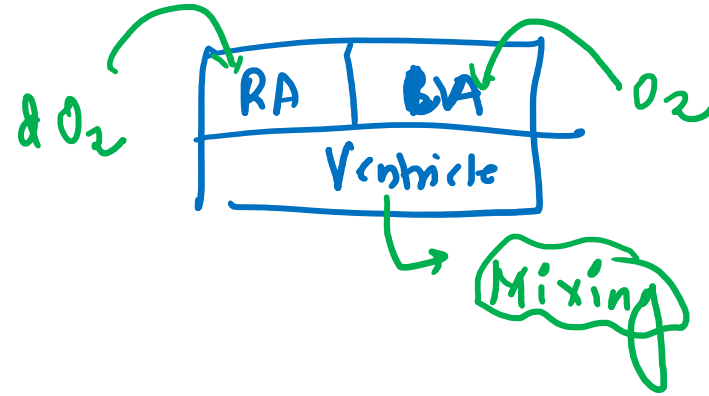
(A) Scoliodon

(B) Rabbit

(C) Frog (Amphibian) → 2 chamber

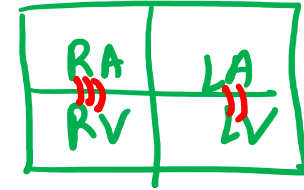
(D) None of these

MIXED / incomplete



14. Tricuspid valve is found in between:

- (A) Sinus venosus and right atrium
- ✓ (B) Right atrium and right ventricle
- (C) Left ventricle and left atrium
- (D) Ventricle and aorta



15. Heart of Man is:

- (A) ~~Myogenic~~
- (B) Neurogenic
- (C) Cardiogenic
- (D) Digenic

Self excitatory

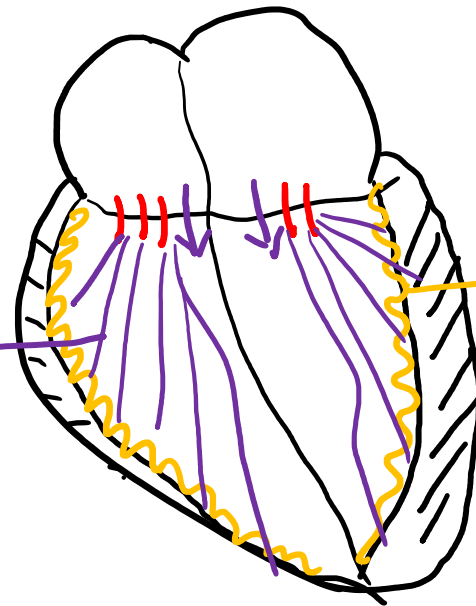
Cockroach

SAN

16. Chordae tendinae are found in:

- (A) Ventricles of brain
- ~~(B) Ventricles of heart~~
- (C) Atria of heart
- (D) Connection between bone

Chordae-tendinae



Papillary Muscle





17. Which has the thickest walls:

- (A) Right auricle
- (B) Left auricle
- (C) Right ventricles
- ~~(D) Left ventricle~~

18. Single heart circuit occurs in:

- ~~(A)~~ Fishes                      (B) Frog  
(C) Reptiles                    (D) Man

19. Which of these has a closed type of circulatory system:

(A) Cockroach

~~(B) Fish~~

(C) Mollusca

(D) Scorpion

↓  
Non cephalopod

↳ Arthropods

Ⓐ Ⓗ Ⓣ ⓗ Ⓔ

20. Heart of frog differs from that of rabbit by presence of:

- (A) ~~Sinus venosus~~ (B) Four chambers  
(C) Mitral valve (D) Two aorta

