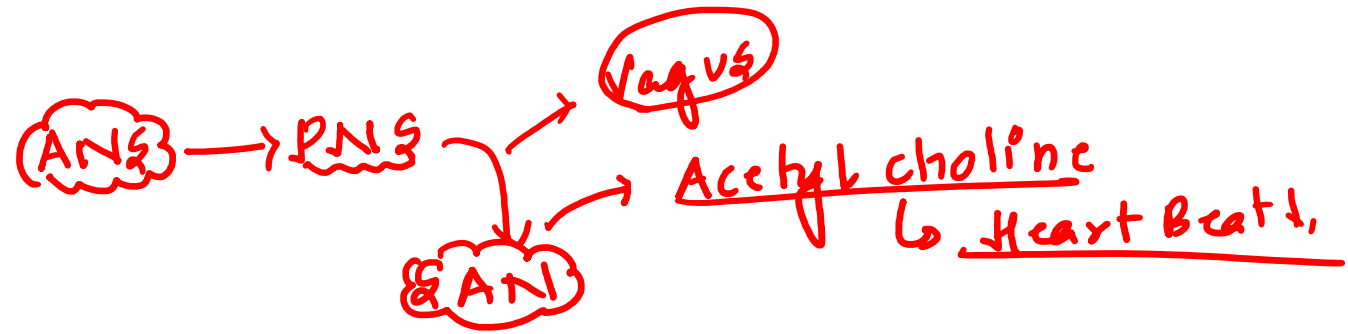


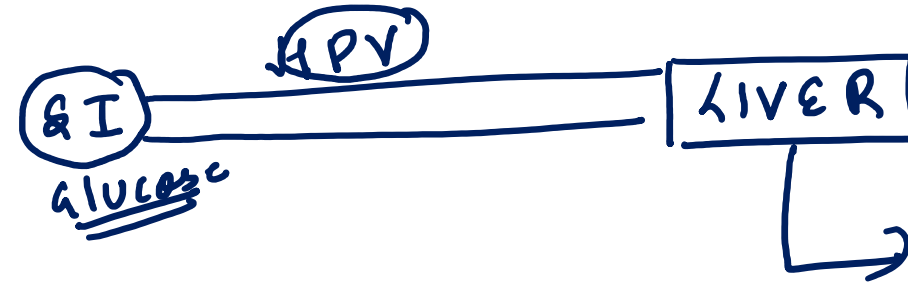
1. If parasympathetic nerve of the rabbit is cut then heart beat:

- (A) Unaffected      ~~(B) Decreases~~  
(C) Increases      (D) Stop



2. Glucose is carried from digestive tract to  
liver by:

- (A) Hepatic artery
- ~~(B) Hepatic portal vein~~
- (C) Pulmonary vein
- (D) None of the above



3. Pulmonary artery differs from pulmonary vein in having:

~~(A) Thick wall~~ ✓

(B) Thin wall ✗

(C) Valves ✗

~~(D) Both (B) and (C)~~ ✓

4. All veins have deoxygenated blood except:

(A) Renal vein

(B) Hepatic vein

(C) Hepatic portal vein

~~(D) Pulmonary veins~~ (oxygenated)

5. All arteries carry oxygenated blood except:

(A) Hepatic artery

(B) Renal artery

~~(C) Pulmonary artery~~ ( $CO_2$ )

(D) Cardiac artery

6. Fully digested food reaches to liver by:

- ~~(A) Hepatic portal vein~~
- (B) Hepatic artery
- (C) Hepatic vein
- (D) All the above

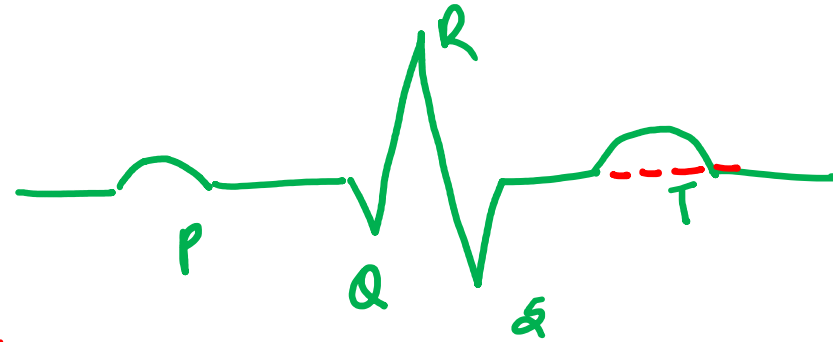


7. If the T-wave of an ECG is flat, it indicates:

- (A) Heart muscles are receiving insufficient oxygen
- (B) Enlargement of atria
- (C) Myocardial infarction
- (D) All of these

HEART ATTACK

Myocardial ischemia



8. All the four chambers of heart are in a relaxed state during:

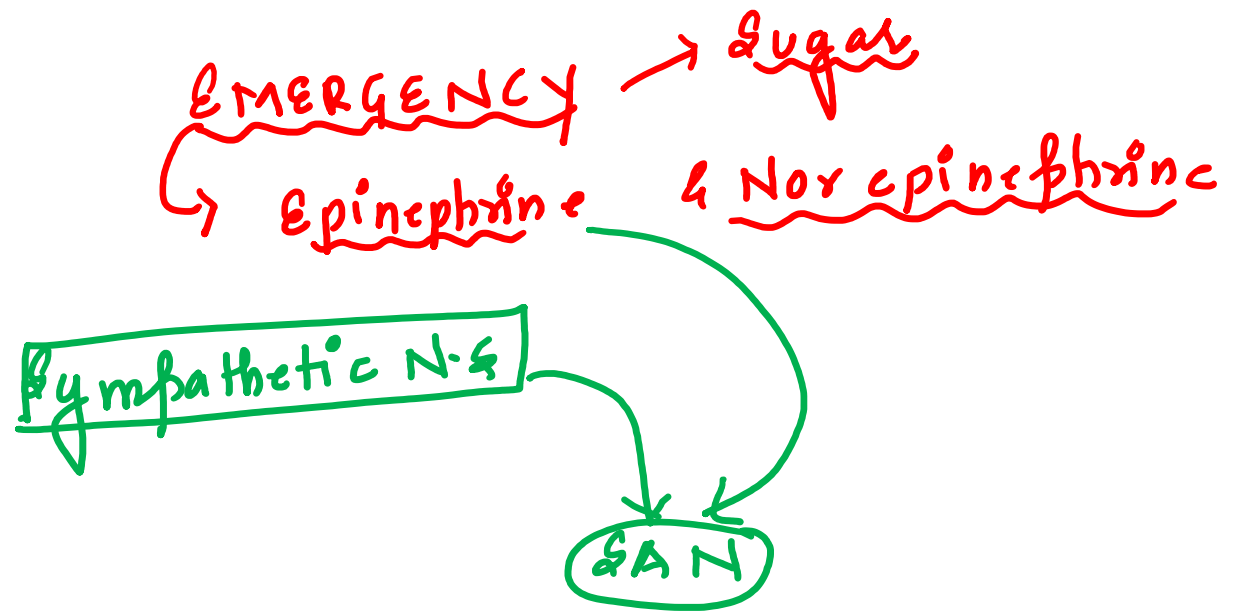
- (A) Atrial systole
- (B) Ventricular systole
- (C) Ventricular diastole
- ~~(D) Joint diastole~~

*Passive filling*



9. Rise in heart beat, increase in the cardiac output, blood pressure and blood sugar occurs during emergency, by the hormone:

- (A) Aldosterone
- (B) Antidiuretic hormone
- ☒ (C) Epinephrine
- (D) Oxytocin



10. Given below is the ECG of a normal human. Which of its components is correctly interpreted below?



- (A) Peak P and Peak R together – Systolic and diastolic blood pressure X
- (B) Peak P – Initiation of left atrial contraction only X
- ~~(C)~~ Complex QRS – One complete pulse
- ~~(D)~~ Peak T – Initiation of total cardiac contraction

Both atria

11. Which of the following wave in ECG represents depolarization of the atria?

- ~~(A)~~ P-wave      (B) Q-wave  
(C) QRS wave      (D) T-wave



A hand-drawn diagram of an ECG wave. A red line represents the wave, starting with a small upward hump, followed by a sharp downward dip, and then a larger upward hump. A red arrow points from the first hump to the text "Atrial depolarisation". Another red arrow points from the peak of the second hump to the text "ATRIAL-SYSTOLE".

Atrial depolarisation      ATRIAL-SYSTOLE

12. Which of the following wave in ECG marks the end of ventricular systole?

- (A) P-wave                      (B) Q-wave  
(C) QRS wave                (D) ~~T-wave~~

~~★~~ end of T wave

13. Which of the following system returns the blood from intestine and breaks into portal system of capillaries in the liver?

- (A) Renal portal system
- ~~(B)~~ Hepatic portal system
- (C) Lymphatic system
- (D) Systemic circulation



14. \_\_\_\_\_ supply/supplies oxygenated blood to heart musculature.

- ~~(A) Coronary arteries~~
- (B) Carotid artery
- (C) Hepatic artery
- (D) Coronary sinus

Aorta →  
Coronary artery

15. Cardiac activity is regulated by:

(A) Sympathetic nervous system ✓

(B) Parasympathetic nervous system ✓

(C) Adrenaline

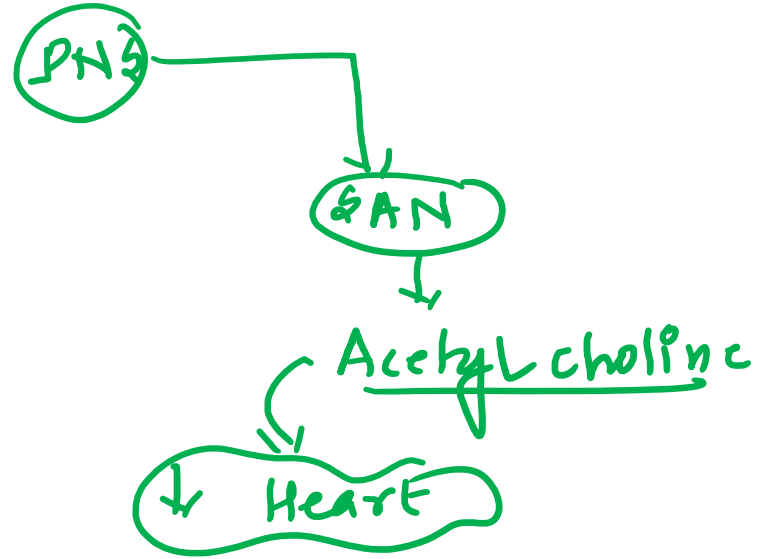
~~(D) All of these~~

ANS

16. Acetyl Choline causes:

- ~~(A) Bradycardia~~ (B) Tachycardia  
(C) Both (D) None

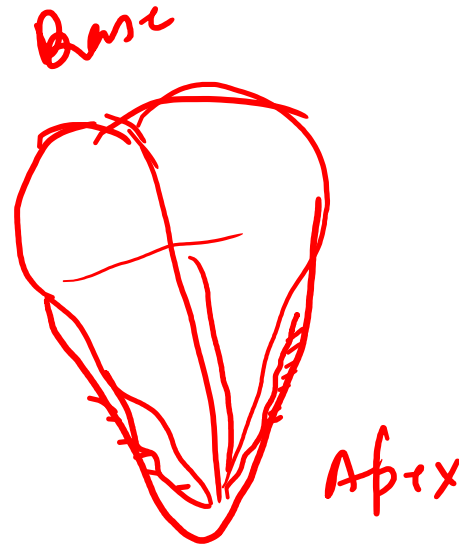
→ ↑ Heart Rate





17. Purkinje fibres arise from:

- ~~(A) Apex of ventricles~~
- (B) Middle of ventricles
- (C) Anterior part of atria
- (D) Posterior part of atria



18. Erythroblastosis foetalis occurs when a factor from mother passes into the foetus through the placenta, it is:

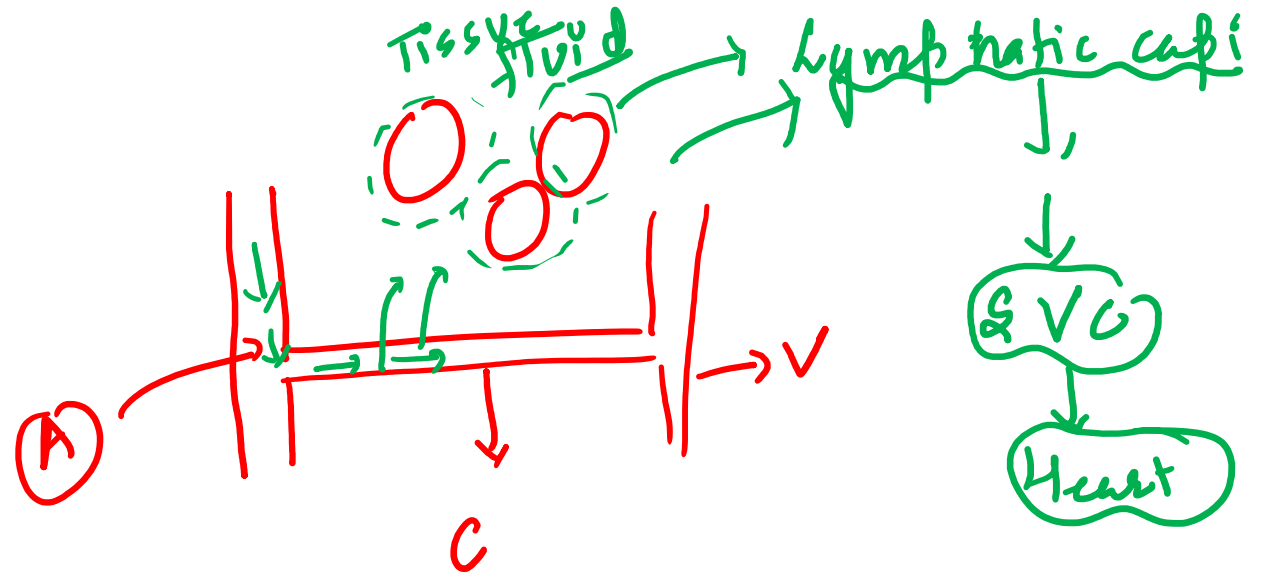
- (A) Rh antigen
- ~~(B) Rh antibodies~~
- (C) Agglutinins
- (D) ABO antibodies

1st delivery  
Anti Rh

2nd pregnancy

19. Lymph:

- (A) Transports oxygen to brain ✗
- (B) Transports CO<sub>2</sub> to lungs ✗
- (C) Returns interstitial fluid back to heart
- (D) Contain RBC's, leucocyte, and more protein as compared to blood



20. What does the Depolarization of Ventricles initiate?

- (A) Atrial diastole
- (B) Atrial systole
- ~~(C) Ventricular systole~~
- (D) Joint diastole