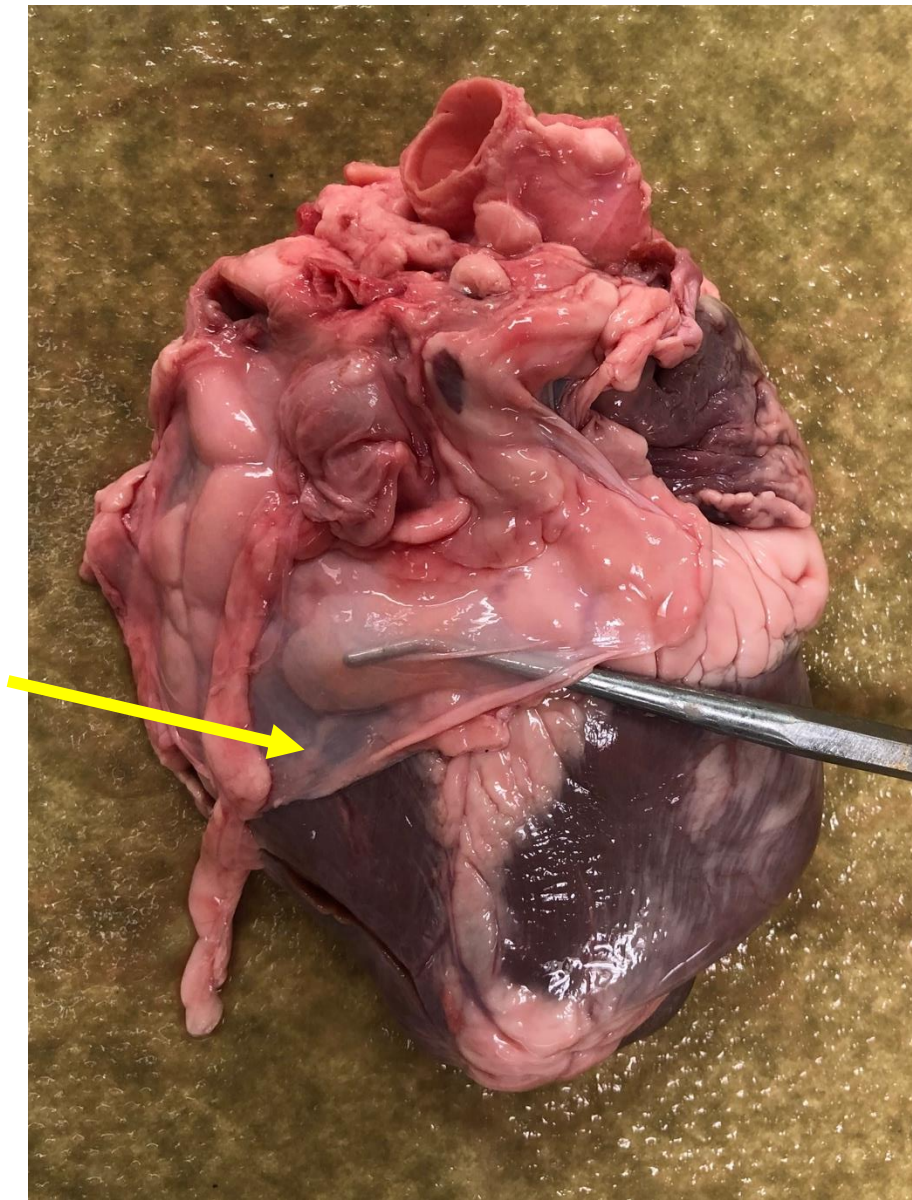
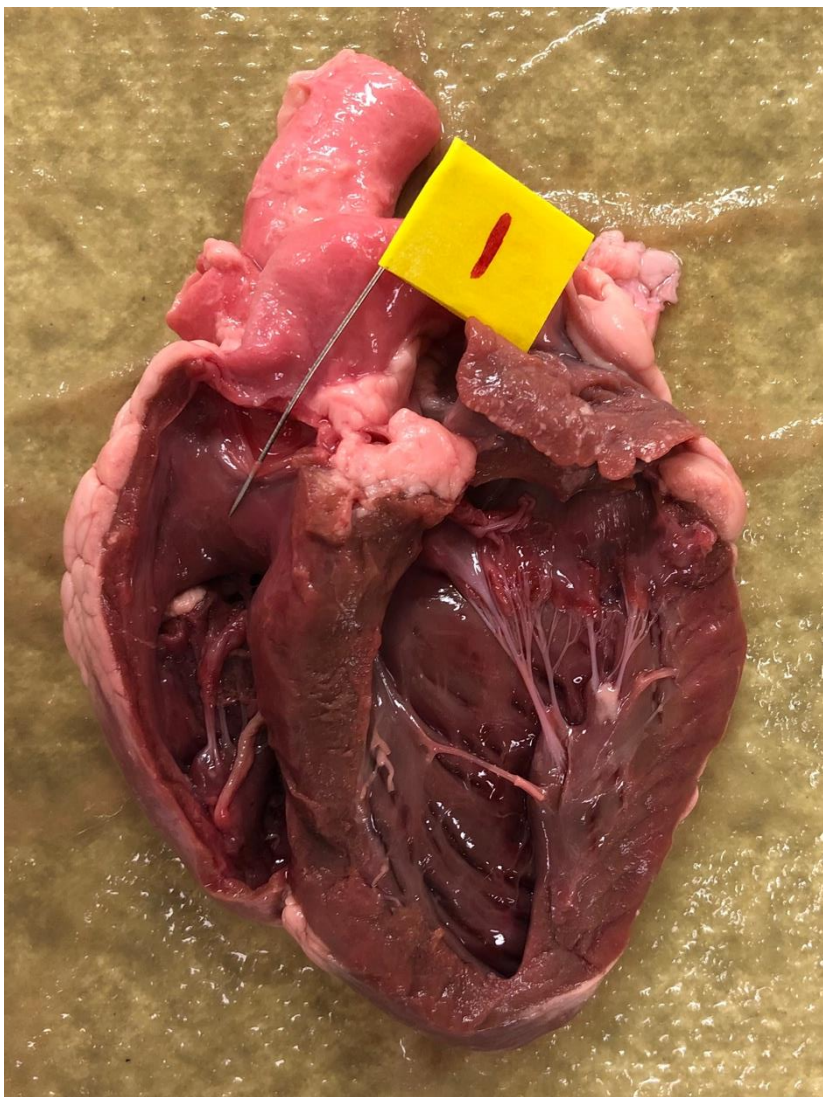


**Quiz Section Test 1-AC**  
**Answers are given in red.**



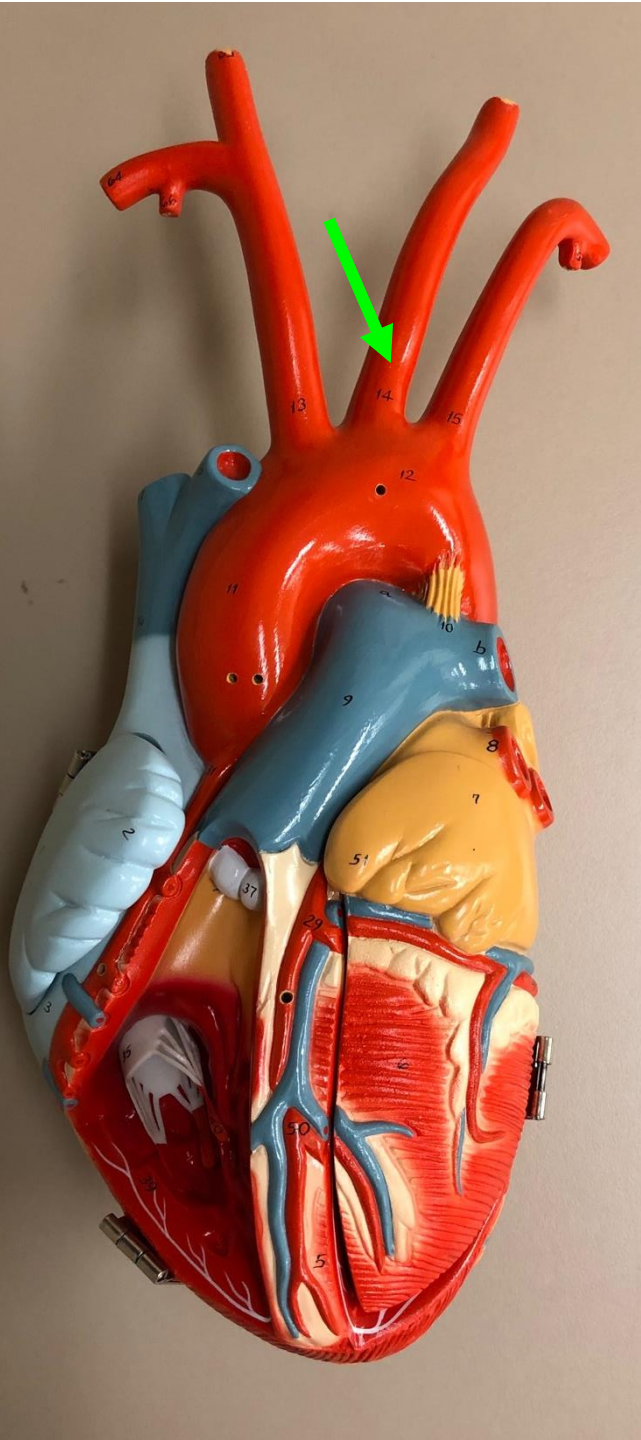
1. Name the membrane indicated by the yellow arrow.

**pericardium**



2. Which of the following is the structure pierced by the pin?

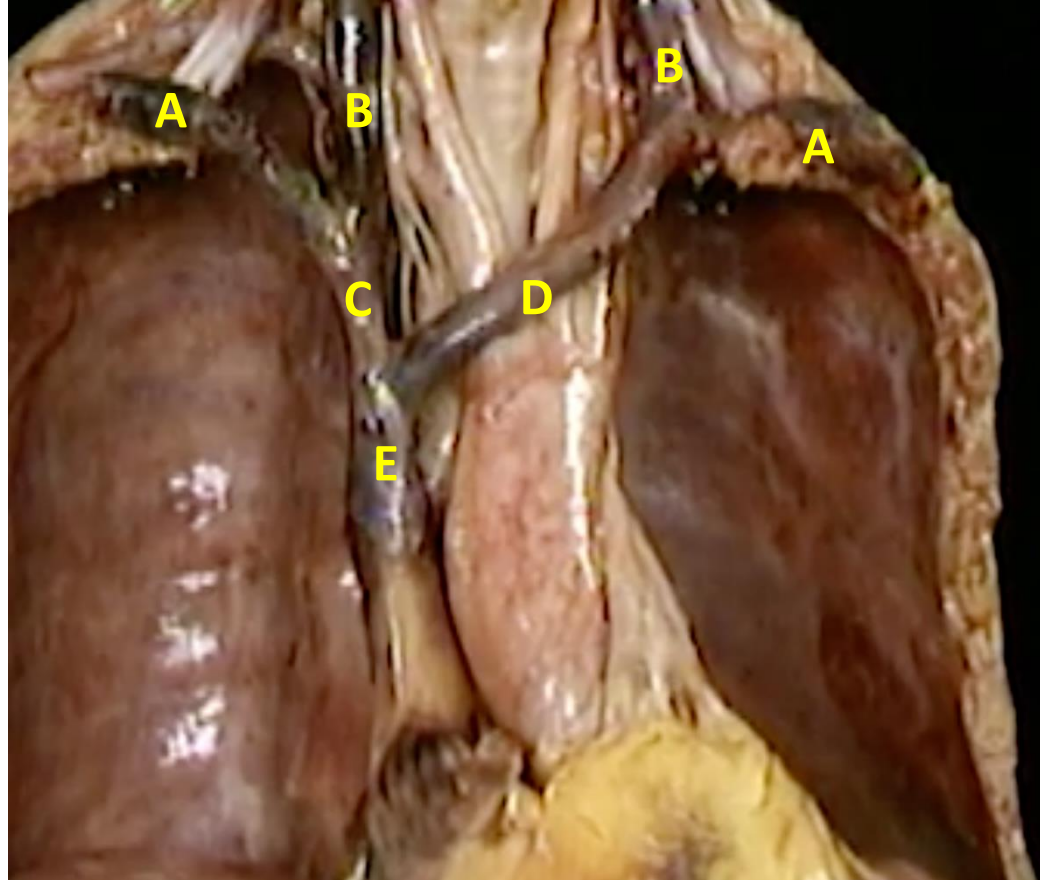
- a. left AV valve
- b. pulmonary valve**
- c. papillary muscle
- d. chordae tendineae
- e. aortic valve



3. Name the vessel indicated by the green arrow. Be sure to specify left or right and whether the vessel is an artery or a vein.

**left common carotid artery**





4. Which of the following is the vessel indicated by the letter B?
- a. brachiocephalic vein
  - b. left common carotid artery
  - c. **internal jugular vein**
  - d. subclavian vein
  - e. subclavian artery

**5. Name the vessel that delivers blood directly to the common iliac artery.**

**descending abdominal aorta**

6. Which of the following valve disorders would cause a systolic murmur? (The mitral valve is the left AV valve).

- a. aortic insufficiency
- b. mitral stenosis
- c. mitral insufficiency

7. The systolic pressure is 138 mmHg and the diastolic pressure is 96 mmHg. Calculate the mean arterial pressure.

$$\begin{aligned}\text{MAP} &= \text{DP} + 1/3 (\text{SP} - \text{DP}) \\ &= 96 + 1/3 (138 - 96) \\ &= 110 \text{ mmHg}\end{aligned}$$





8. Name the connective tissue fiber that stains black in the above micrograph of the aorta.

**elastin**

9. Which of the following lipoproteins is NOT synthesized in the liver?

- a. VLDL
- b. LDL
- c. HDL
- d. chylomicron

**10. Treatment with a statin**

- a. stimulates HMG-CoA reductase and increases LDL receptors
- b. stimulates HMG-CoA reductase and decreases LDL receptors
- c. inhibits HMG-CoA reductase and increases LDL receptors
- d. inhibits HMG-CoA reductase and decreases LDL receptors