

CARDIOVASCULAR X-RAYS – QUESTIONS

Most of these are “show & tell” and FYI, but I do test over CV-6 & 10

CV-1A & B – Normal vs. enlarged heart

Compare the enlarged heart outline in A to a normal heart in B.

Observe the dome of the diaphragm in each.

CV-2 – Cardiac Bypass surgery

Note the wires holding sternum together. Smaller wires mark sites of blood vessel closures & muscle sutures.

CV-3 – Pacemaker

Note pacemaker, inserted subcutaneously.

Note wires to heart – one to atrium & one to ventricle.

Compare this pacemaker to the removed pacemaker in the bag beside the radiograph box.

CV-4 Arteriogram

This is an arteriogram of the inferior abdominal aorta, taken after injecting contrast medium into a systemic artery.

Note normal appearance of aorta and common iliac arteries. Also note duplicated L. Renal artery, which occurs in about 25% of the population.

CV-5 – Another arteriogram

Observe narrowing (stenosis) of aorta and common iliac arteries due to plaque deposits.

CV-6 – Yet another arteriogram – give the most specific answer possible.

- A. ID vessel
- B. ID vessel
- C. Note plaque formation. ID these vessels.
- D. ID vessel & note its absence on the left.

CV-7 Coronary arteriogram

Observe narrowing of L. coronary artery.

CV-8 Sequential R. coronary arteriogram

- A. Catheter in position to inject dye.
- B. Begin dye injection.
- C. Note further perfusion of dye.
- D. Observe branches of R. coronary artery and atherosclerotic stenosis. A stent will be placed here to maintain patency.

CV-9 Arteriogram → Rule #2!

This patient at a Lawton doctor exhibited the same lack of a 3rd branch off the aortic arch as shown in your text, Fig. 1.4. Note the L. subclavian a. arising from the L. common carotid rather than separately from the aortic arch.

CV-10 Cerebral arteriogram

- A. ID vessel
- B. Note path of internal carotid artery through the carotid canal

CARDIOVASCULAR X-RAYS -- ANSWERS

CV-6 – Arteriogram

- A. abdominal aorta
- B. common iliac arteries
- C. external iliac arteries
- D. R. internal iliac artery

CV-10 – Cerebral arteriogram

- A. common carotid artery