

Quiz –cardiovascular surgery

Quiz: three-dimensional inspection of the internal vascular structure

Two given videos show models which are viewed in the virtual reality. They are three-dimensional reconstructions of the same vascular area.

In Video 1 (See videos at www.hvt-journal.com), normal anatomy is presented, while in Video 2 (See videos at www.hvt-journal.com) an abnormality is depicted.

Choose the correct answer for the anatomical description and diagnosis:

A. Common carotid artery bifurcation into the internal and external carotid arteries. The abnormality is an atherosclerotic plaque.

B. Bifurcation of the abdominal aorta into two common iliac arteries. The finding is the median sacral artery.

C. Pulmonary artery bifurcation into the right and left pulmonary arteries. The abnormality is the patent arterial duct.

D. Left main coronary artery bifurcation into the left anterior descending artery and circumflex artery. The diagnosis is trifurcation into the left anterior descending, prominent intermediate and left circumflex artery.

E. Renal artery bifurcation in the renal hilum. The diagnosis is renal artery thrombosis

Video 1. Normal vascular anatomy

Video 2. Vascular abnormality

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