

Urogenital: Case 2

Prompt

In the image, what is the location indicated by the blue arrow and what anomaly does the yellow arrow point to?



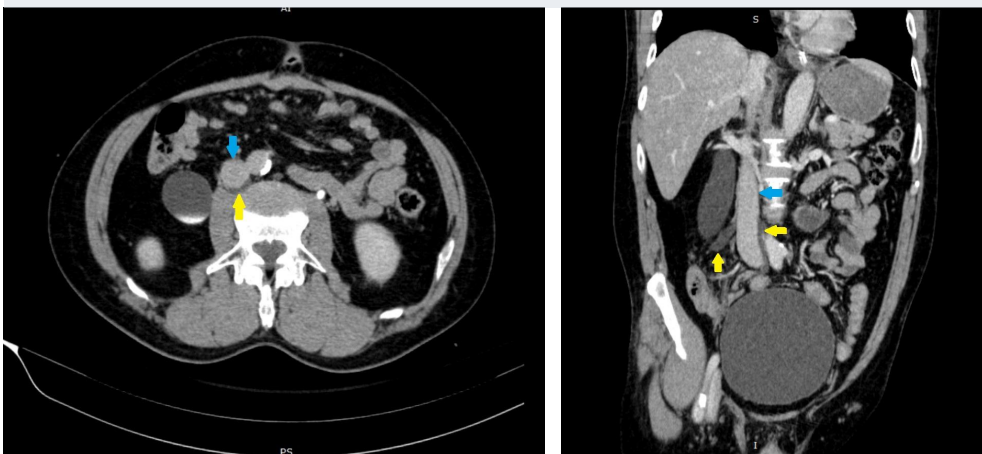
GPT-4V

The location indicated by the blue arrow seems to point to the aorta, which is the main and largest artery in the body, carrying blood away from the heart.

The yellow arrow seems to point to the anterior aspect of a vertebral body, specifically the lumbar spine region. Based on the image alone, it is challenging to provide a specific diagnosis. However, the region appears to have an abnormal density compared to the surrounding structures. It could represent a variety of pathological processes, such as a vertebral body fracture, lytic lesion, or an infectious process among others.

Prompt

Now consider these two images together and answer my question above again.



GPT-4V

The blue arrows in both axial and sagittal images seem to point towards the inferior vena cava (IVC), which is the large vein that carries de-oxygenated blood from the lower body back to the heart.

The yellow arrows in both the axial and sagittal views appear to point to an anterior vertebral body compression fracture, likely in the lumbar spine. The vertebral body looks compressed anteriorly compared to its neighboring vertebrae.

Reference answer

Yellow arrows show the abnormal course of the right ureter passing behind the inferior vena cava (IVC) and emerging between the IVC and aorta. Blue arrows point to the IVC.