Head and Neck: Case 5

Prompt

Please give a radiology report of this patient.



GPT-4V

I'm not a radiologist, but based on the images you provided, they appear to be angiograms or similar medical images that visualize blood vessels. In an angiogram, a contrast dye is injected into the blood vessels and then X-ray images are taken to visualize the flow of the dye through the vessels. General observations:

- 1. There seem to be areas of dense concentrations, possibly indicating a cluster of vessels or abnormalities.
- 2. There are certain sections where the vessels appear to be more dilated or tortuous.

However, without proper clinical context and a trained radiologist's review, it's impossible to make a definitive diagnosis. If these are actual medical images, it's crucial to have them evaluated by a medical professional in a clinical setting.

Prompt

Patient reports fullness in his right cheek. Note a progressively enlarging and painful right-sided buccal mass. Please give a radiology report of this patient based on the given images.

GPT-4V

I am not a radiologist, but based on the provided images, they appear to be angiograms of blood vessels. The images seem to show some sort of vascular anomaly or abnormality, which could be the cause of the patient's symptoms. Here's a general description:

Preliminary Observations (please consult a radiologist for a detailed analysis):

- 1. There's an area of complex vascular structures with increased density, suggesting an arteriovenous malformation or another type of vascular malformation.
- 2. The tangle of blood vessels appears to be highly concentrated and intertwined, possibly indicating nidus formation.
- 3. There are some enlarged feeding arteries leading to the area of abnormality.
- 4. The venous drainage appears to be prominent, suggesting high flow.

Impression:

The images suggest a vascular anomaly, possibly an arteriovenous malformation, in the right buccal region. This could be the cause of the patient's symptoms of fullness and pain.

Recommendation:

The patient should be evaluated by an interventional radiologist or vascular surgeon for a detailed assessment and possible treatment options. It would also be crucial to obtain a formal radiology report from a certified radiologist to confirm these findings and determine the best course of action.

Reference answer

The angiogram demonstrates a large tumor blush on the right side with predominant supply from the external carotid artery, particularly from the maxillary artery and the middle meningeal artery.