

Patient:
Date of Images:
Referring Dr.:
Date of Report:

Age: 66

Sex: F

The examination consists of a periapical radiograph of the mandibular right molar area, a true occlusal radiograph of the mandible, and an iCAT[®] cone-beam computed tomographic examination extending from the roof of the frontal sinus to the inferior border of the mandible. Axial and reconstructed sagittal and coronal sections are reviewed.

There is a well-defined, variably-corticated, low-attenuation/radiolucent area situated in the right posterior mandible and ramus. The abnormality extends from the root apices of the mandibular right second molar distally and superiorly, into the ramus of the mandible to near the base of the sigmoid notch. The posterior border of the ramus as well as a small amount of adjacent bone has been spared as has the inferior cortex of the body. Given the size of the entity, there is relatively little buccal/lingual or medial/lateral expansion of the mandibular body or ramus. The entity appears to have at two curvilinear internal septations within the ramus. Portion of the anterior and medial cortices/borders of the ramus have been lost adjacent to the upper one-third of the entity, and this suggests possible cell seeding of the mass into the masseteric space, medial to the ramus. There has also been posterior displacement of the mandibular canal in the ramus, and inferior displacement in the body. No external resorption of teeth is seen. The appearance is consistent with a keratocystic odontogenic tumour. Given the degree of bone expansion, the possibility of an ameloblastoma is less likely.

The borders of the depicted paranasal sinuses are intact. There is maxillary sinus mucosal thickening.

The generalized bone pattern and jaw morphology are within the range of normal.

Interpretation:

1. Keratocystic odontogenic tumour, right posterior mandibular body and ramus.
2. Maxillary sinusitis.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ernest W.N. Lam', followed by a period.

Ernest W.N. Lam, D.M.D., F.R.C.D.(C)
Oral and Maxillofacial Radiologist