

Dental Imaging Diagnostics LLC

Oral and Maxillofacial Radiology Services
www.didiagnostics.com



Patient Name: Lastname, Firstname
Referring Doctor: Dr. Sample – Sample Dental
Study: CBCT

DOB: 1990-01-01
Sex: M
Study Date: 2021-01-01

History:

Patient, a Caucasian female, was referred to me (endo) to evaluate number #22, 23, 24 when lesions were noted during routine FMX. All 3 teeth tested normal/vital. No medical conditions being treated. Patient reports 9 years ago number 19 was also found to have lesion on x-ray, endodontist said it tested normal to cold, gave OS referral. 19 was extracted and lesion biopsied. Biopsy report from 2012 states diagnosis was "sclerotic vital lamella bone with focal giant cell granuloma-like proliferation."

Indications:

Loud pop noise when drinking

Add-ons:

- ☐ Rush (24-hr TAT) ☐ STAT (3-hr TAT) ☐ Basic Airway Assessment ☐ Detailed Airway Assessment
☐ Detailed Implant Site Assessment ☐ Comparison Study ☒ Add Reference Studies ☐ Zoom Case Discussion

Impression:

- Low and mixed density lesions associated with periapical regions of 22, 23, 24 and 27 consistent with periapical cement osseous dysplasia (PCOD) which are benign fiber osseous lesions. Vital pulp testing affirms this diagnosis. Low-density lesions represent the early osteolytic stage of PCOD. PCOD is more commonly prevalent in females of African and Asian descent, however may be found in other demographics¹. If there are additional lesions associated with posterior teeth and multiple quadrants not captured in this study, the Florid cement osseous dysplasia subtype may be considered. No further imaging or treatment is required absent changes in clinical signs or symptoms.
- Region of 19 was not captured in this study cannot be assessed.

Study Details:

- Limited field of view CBCT of the anterior aspect of the mandible extending from 21-29.
- Artifact seen in the study, consistent with individual and pixel column defects. Calibration is advised to improve ring artifacts.
- Mandibular left canine periapical radiograph provided.
- Scan aligned to occlusal plane plane for review.

Dentoalveolar:

- Missing teeth: no missing teeth seen in within the confines of the volume.
- Multiple low and mixed density lesions associated with periapical regions of 22, 23, 24 and 27.
 - Lesions associated with 23, 24 and 26 are effacing the lingual cortical plate with no apparent perforation.
 - Lesions associated with 22, 23 and 24 are primarily low density.
 - Lesion associated 27 is mixed density and not fully captured in this study.
- Mild mandibular anterior dental crowding noted.

Cervical Spine:

- Osteoarthritic changes are seen including cervical facet arthropathy.

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Christopher D. Matesi, DDS
V O I D

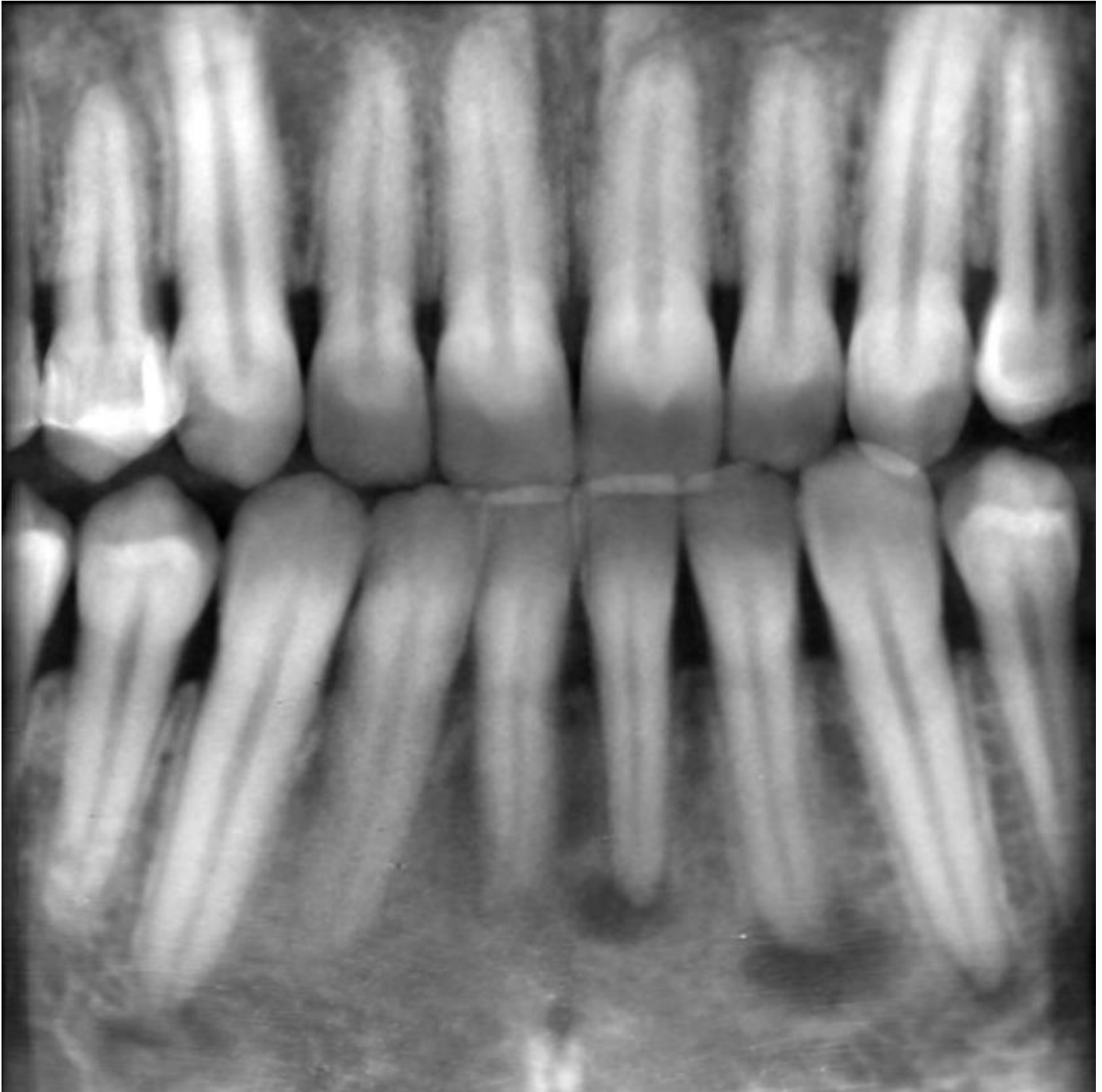
Signature: _____

Interpreted and signed by radiologist: Christopher D. Matesi, DDS

Verified Date: 5/21/2024



Screenshots: *Disclaimer: No measurements should be made from attached images. These images are only representative slices.*



Reformatted Panoramic



Arch views of PCOD lesions 22, 23, 24, 27.

¹Senia ES, Sarao MS. Periapical cemento-osseous dysplasia: a case report with twelve-year follow-up and review of literature. Int Endod J. 2015 Nov;48(11):1086-99. doi: 10.1111/iej.12417. Epub 2014 Dec 24. PMID: 25425097.