

Dept. of Radiology & Imaging

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Dr. Vijaya Prasad	Dr. Zaibee Ahmed MD	Dr. Ameenbi Shaik DMRD	Dr. D. Lakshmi Sirisha DNB	Dr. S. Suresh Babu DMRD
Dr. Nikita S. DNB	Dr. N.V. Santosh MDS	Dr. Sadhana MD		

CBCT REPORT

Name: Mrs. P. Lakshmi

May 30, 2025

Id. No: F / 52 Years / 202213565

Ref by: Dr. L. Chandra Sekhar BDS, MDS, FAGE

Imaging procedure: CBCT of limited maxilla scan was done using CS 9300 machine

Volume of scan: 5 x 5 with 75 µ resolution

Area of interest: 23, 24, 25

Clinical information: Implants planning.

Imaging protocol: Axial, Coronal, Sagittal and Panoramic recon images were filmed.

Radiographic findings:

- Severe scattered artifacts due to presence of large intra-radicular metallic post in both roots noted i.r.t 24.
- Missing teeth with no residual root remnants seen i.r.t 11, 21.
- Root canal treated tooth noted i.r.t 24.
- Suggestion for presence of tiny periapical hypodense lesion involving periapical region of 24, 25 measuring approximately 3.4x5x6 mm in size causing mild sinus floor displacement – suggestive of periapical cyst.

Bone measurements:

Region	Bone height (mm)	Bone width (mm)	Bone density	Clinical significance
24 (crest to sinus floor)	10.2	9.1	Type III & IV	No or minimal dense bone seen between root and sinus floor

Cont...

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25	13.5	9.7	Type III & IV	No or minimal dense bone seen between root and sinus floor
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- ✓ (Note: Bone width is measured from outer cortical plates in bucco-lingually. Hence for selection of implant width minimum 1 mm should be excluded from estimated given width.
- ✓ Height is considered from estimated width to respective land mark / secondary cortices of same region. Kindly correlate measurement values with corresponding images.
- ✓ Bone density classified according to Lekholm and Zarb classification 1985).
 - Minimal mucosal thickening changes in left maxillary sinus floor noted.
 - Continuous coronal prosthesis noted from 11 21 22 23 noted.
 - Deep coronal restorations noted i.r.t 26.
 - Incisive canal is normal in course and calibre.
 - Included sections of maxillary bone shows normal osseous morphology. No lytic / sclerotic abnormalities noted.

Impression:

- Severe scattered artifacts due to presence of large intra-radicular metallic post in both roots i.r.t 24
- Missing teeth with no residual root remnants i.r.t 11, 21
- Root canal treated tooth i.r.t 24

Cont...

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- Suggestion for presence of tiny periapical hypodense lesion involving periapical region of 24, 25 causing mild sinus floor displacement – suggestive of periapical cyst
- Minimal mucosal thickening changes in left maxillary sinus floor
- Continuous coronal prosthesis 11 21 22 23
- Deep coronal restorations i.r.t 26
- Advice clinical correlation / further work up / follow up.
- Any suggestions.

N.V. Santhosh
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SVP 15:29