

Name of the patient: MR

Date:

Age: 26 yrs

Sex: MALE

Radiograph done: CBCT

Referred by: Dr

Sectional CBCT was taken 3D, images were reconstructed into axial, coronal, sagittal planes with XELIS software with 0.2 mm slice thickness

CBCT PROTOCOL

A: FOV: Sectional

B: MAXIMUM SLICES: 768

C: SLICE THICKNESS: 0.08 MM

D: PEAK VOLTAGE: 80 kVp

E: TUBE CURRENT: 10mA

F: SCAN TIME: 10 sec

G: RADIATION DOSE: 1022 mGy

Diagnostic objectives

ENDO SCAN 46

RADIOGRAPHIC FINDINGS

TOOTH NO 46

- Radiolucency present on the crown suggestive of restoration
- Four root canal orifices seen, mesiobuccal, mesiolingual, distobuccal and distolingual canals
- All canals are patent and wide.
- Approximately 9mm from the occlusal surface and 2mm from the furcation region, 8mm length linear Radiopacity seen in the mesiolingual canal extending beyond apical foramen suggestive of separated instrument.
- Another radio opacity of 1mm is seen extending beyond the apical foramen of distolingual canal
- Approximate root canal lengths from occlusal surface is 17mm
- Loss of lamina dura seen in the apical third portion of the roots.
- Ill-defined periapical radiolucency seen within the cancellous bone with thinning of the cortical plates

TOOTH NO 47

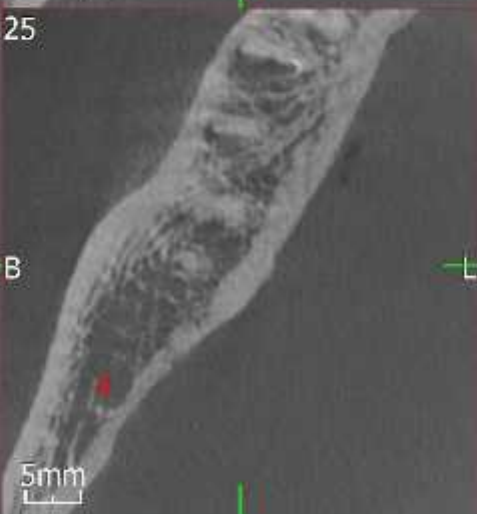
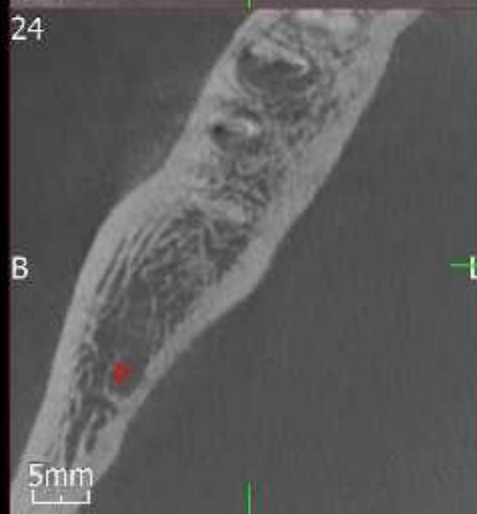
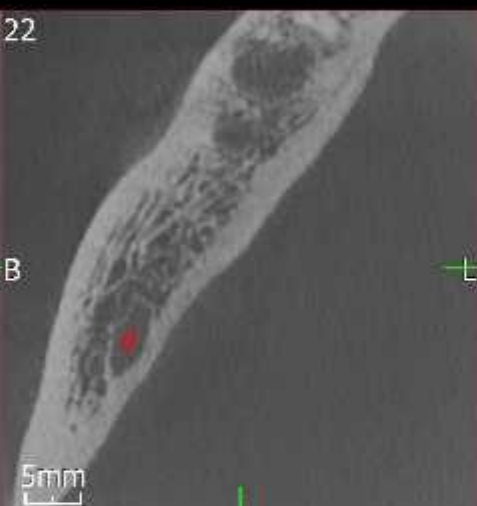
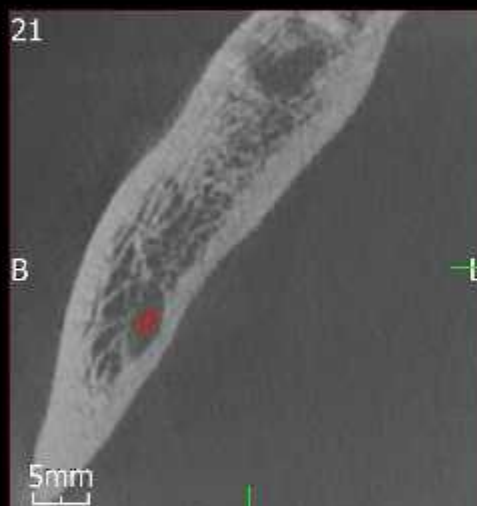
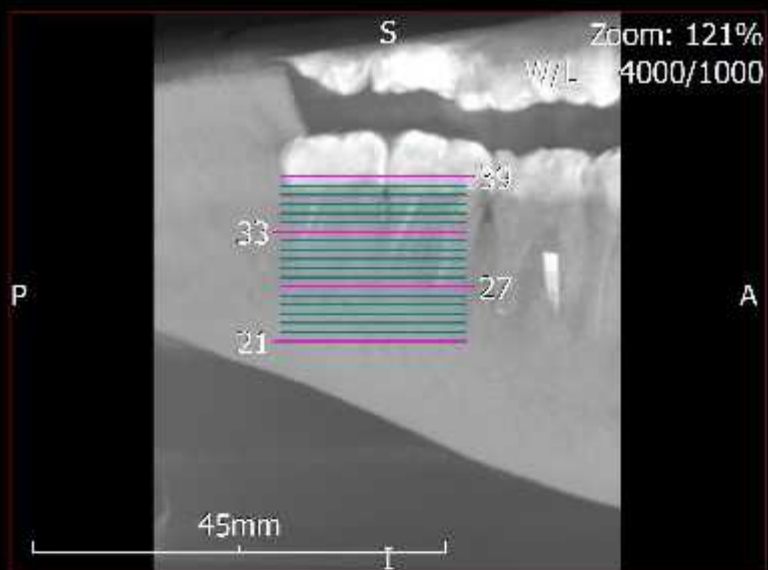
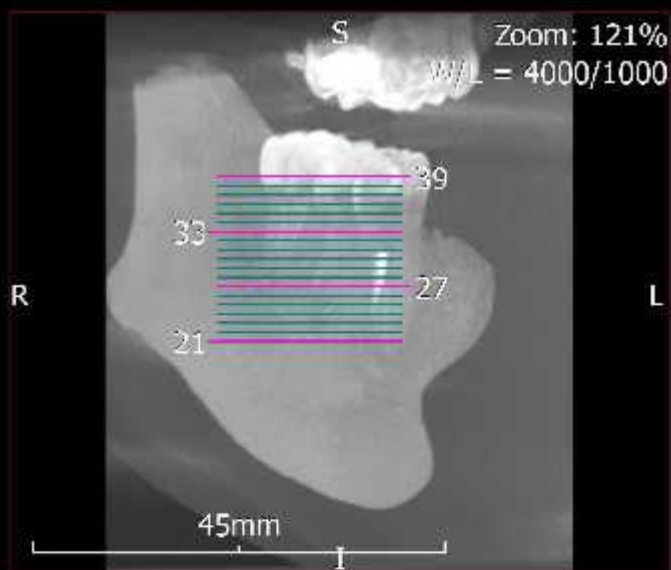
- Radiolucency present on the crown suggestive of caries and approximating with the pulp horns
- Three root canal orifices seen, mesiobuccal, mesiolingual and distal
- All canals are patent and wide.
- No radiographic evidence of any fracture seen
- Approximate root canal lengths of the canals from the occlusal surface is 20 mm.
- Loss of lamina dura seen in the apical third portion of the roots.

RADIOGRAPHIC IMPRESSION

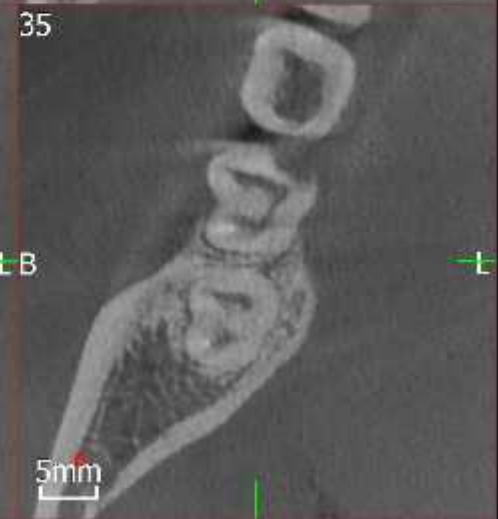
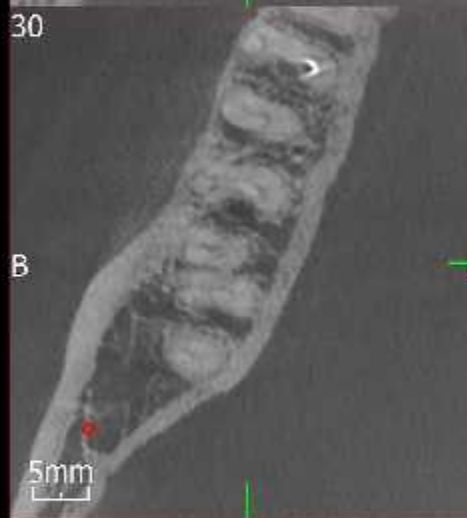
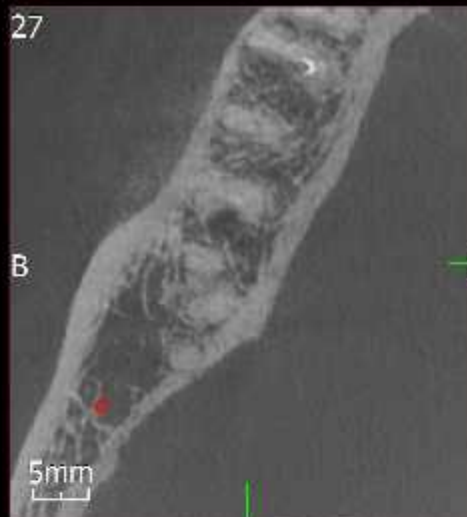
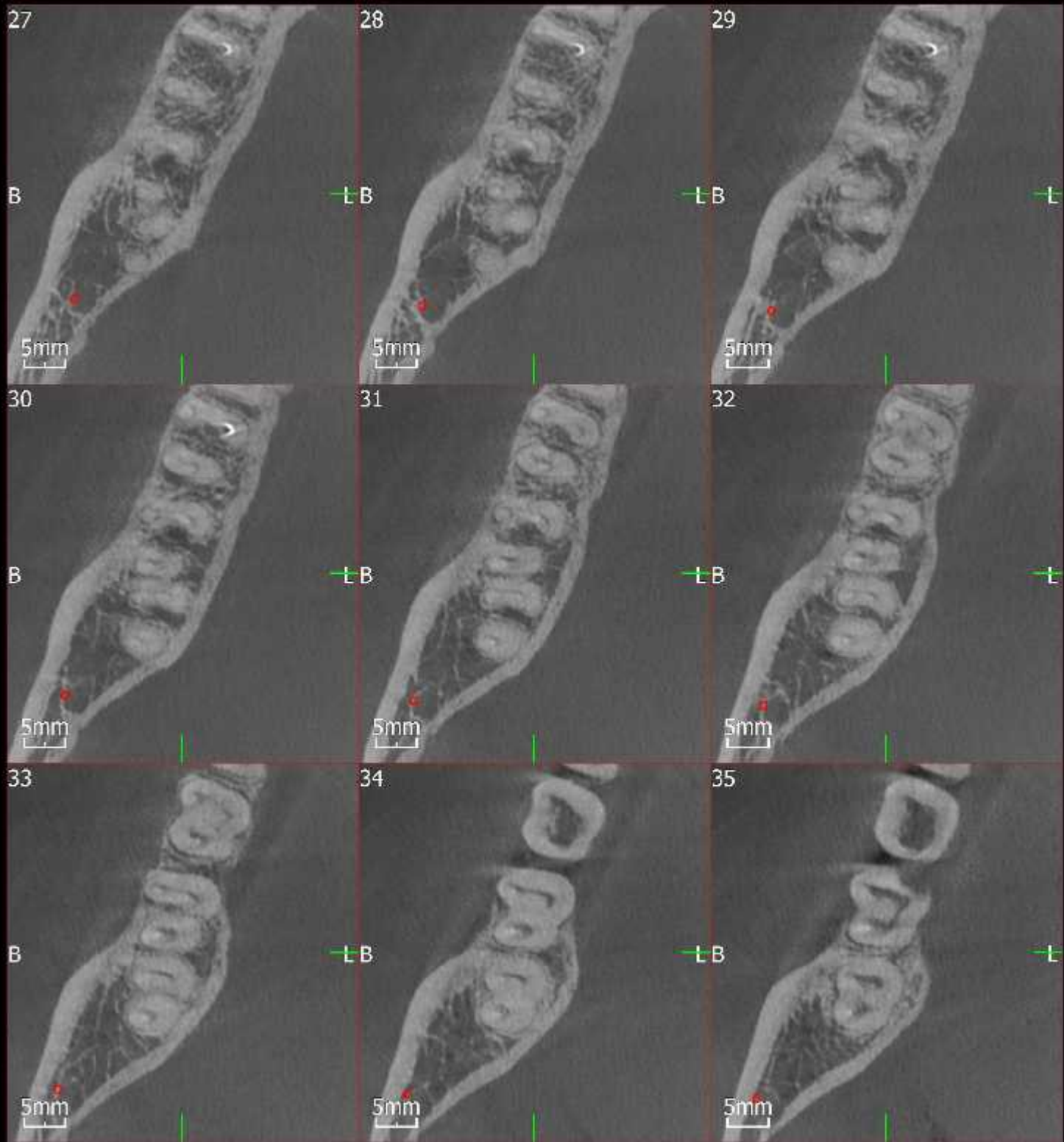
- **CHRONIC PERIAPICAL ABSCESS 46**
- **APICAL PERIODONTITIS 47**

ConeBeamers
Dental Teleradiology Experts

Dr Prashant P. Jaju
BDS, MDS,
Oral Maxillofacial Radiologist
Professor & Guide
Editor in Chief: CBCT magazine
Certified CBCT Trainer



AXIAL IMAGES OF TOOTH NO 46



36

B

5mm

37

LB

5mm

38

LB

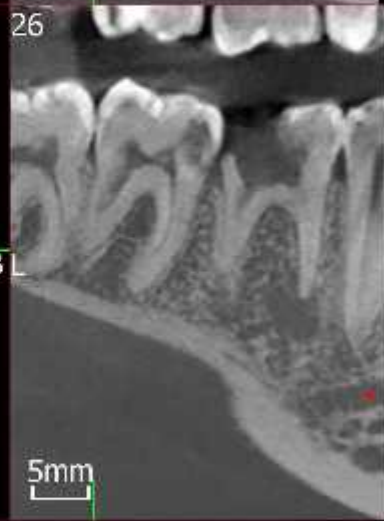
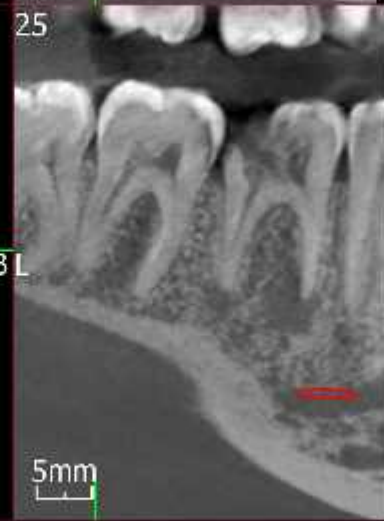
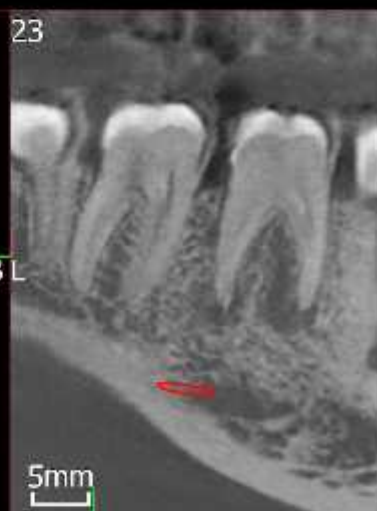
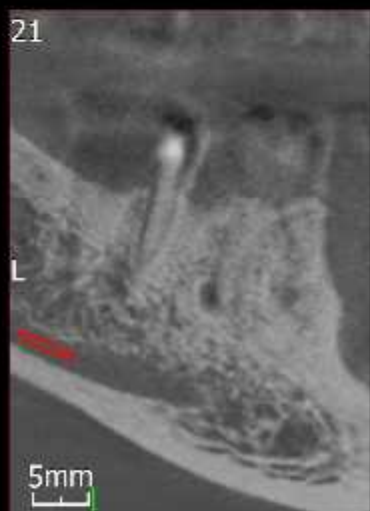
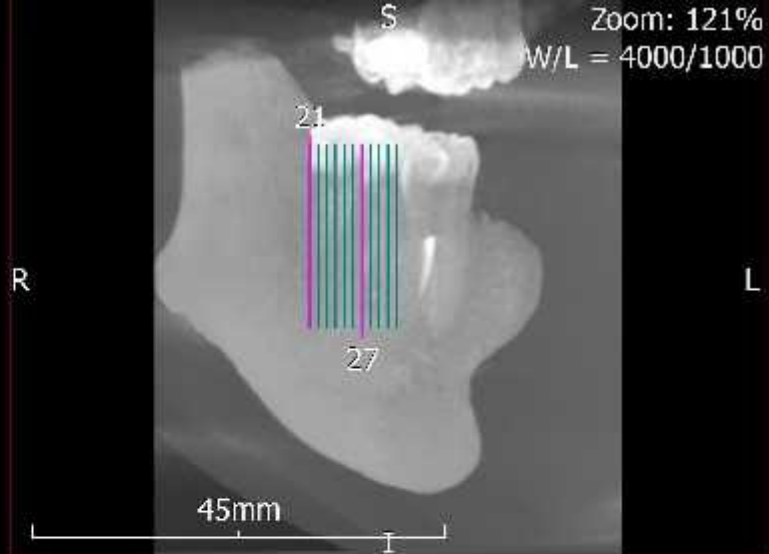
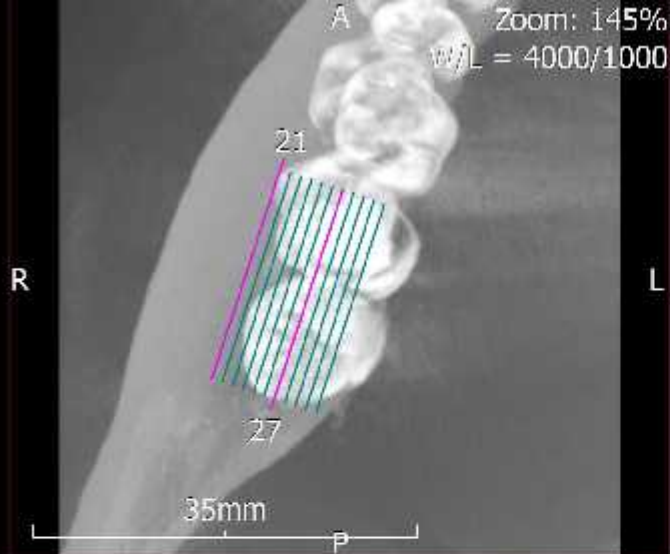
5mm

39

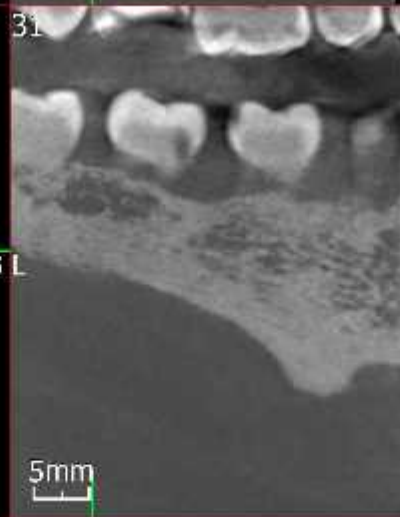
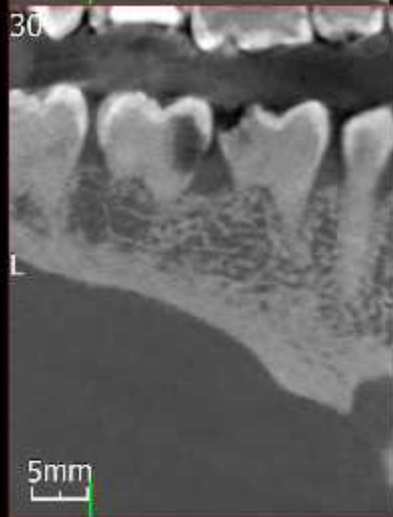
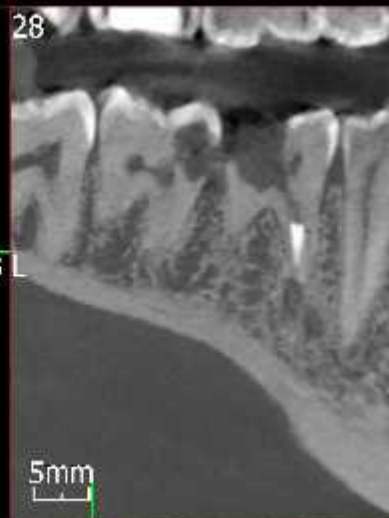
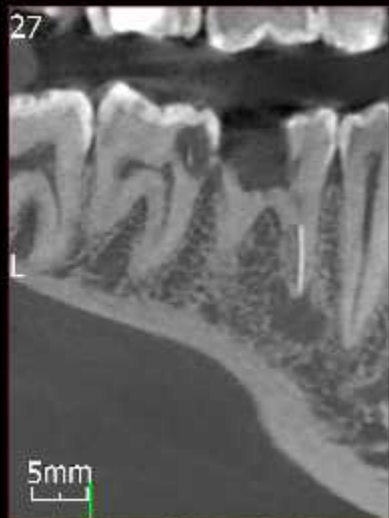
B

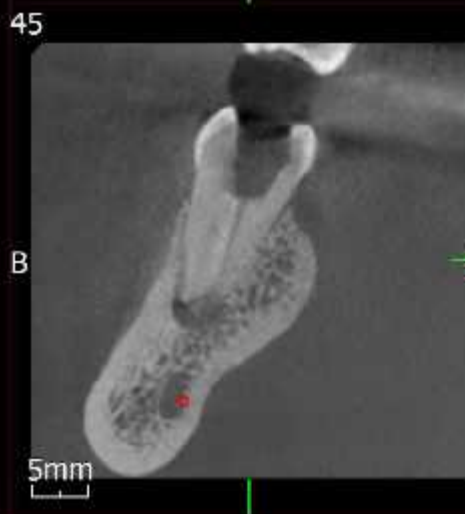
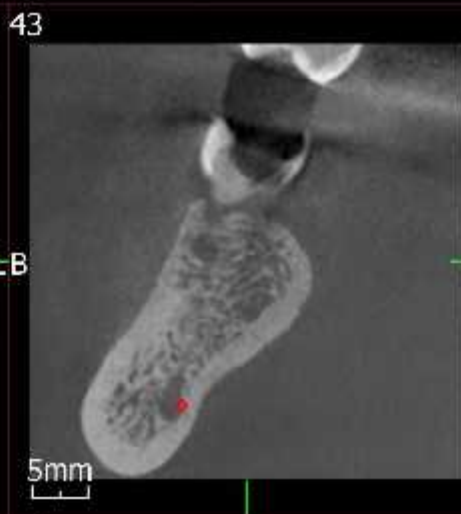
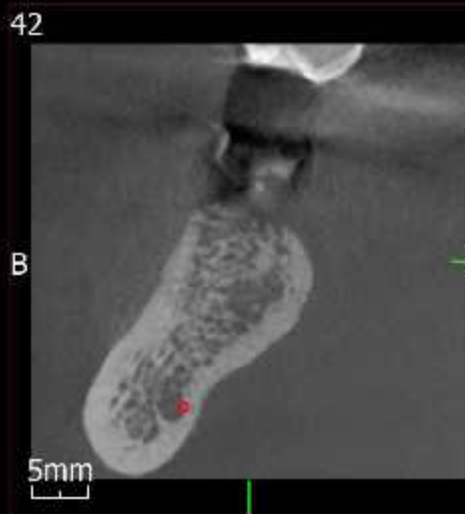
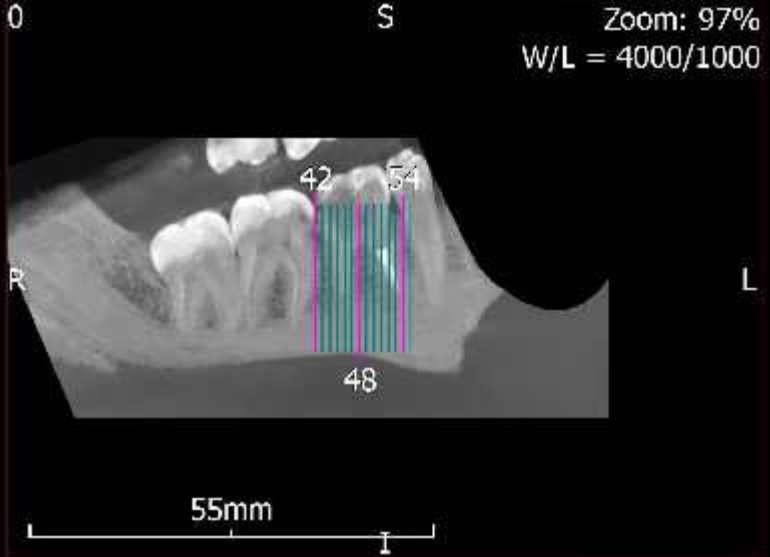
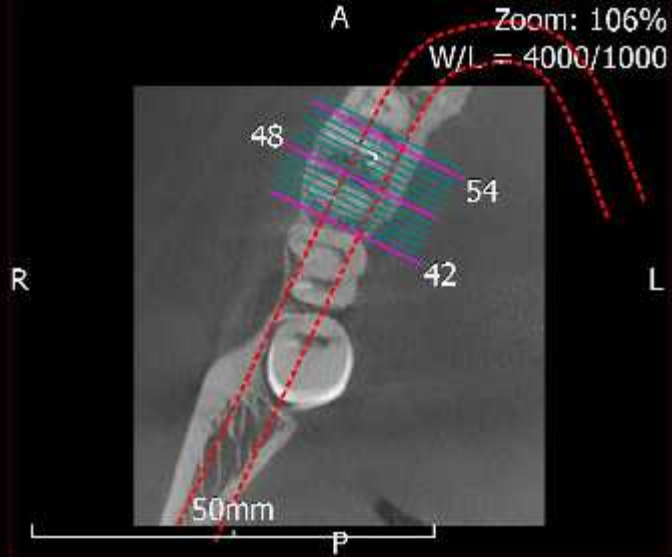
5mm





SAGITTAL IMAGES OF TOOTH NO 46





CPR IMAGES OF TOOTH NO 46

48



49



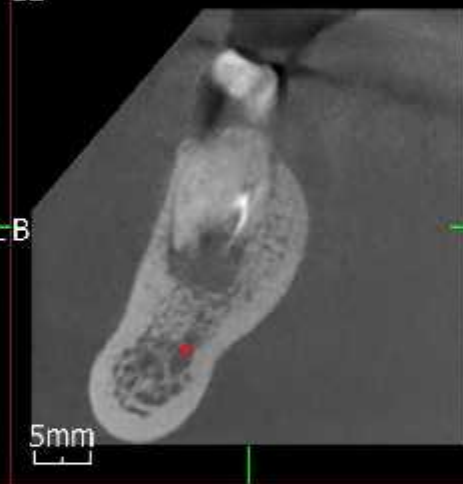
50



51



52



53



54



55

