



## Apical Periodontal Cyst

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### Clinical Image

A 30 year old patient presented with pain in lower anterior tooth since month back. She had a history of trauma to tooth 25 and root canal treatment done five years back. One examination the crown of tooth 25 was discolored and incisal edge was fractured. Cold test was done with endo-ice and teeth 24, 25 and 26 were found to be non vital. The alveolar mucosa in relation to teeth 23, 24, 25 and 26 was red and expansion of the area could be felt on palpation. On evaluation of Intra-oral periapical radiograph, a well defined periapical lesion with a distinct radio-opaque margin could be seen. The medical history was non contributory. Root canal treatment was initiated in the teeth 24, 25, 26 and calcium hydroxide intracanal medicament was placed for 1 week. After one week the calcium hydroxide medicament was removed from the canal and full thickness mucoperiosteal flap was raised in relation to teeth 23, 24, 25, 26, 27. The buccal cortical plate was missing due to lesion. A cystic lesion was present which was carefully enucleated. Root canal treatment was completed and the root end cavities prepared were sealed by grey MTA. The area was sutured. After one week the sutures were removed and the patient was asymptomatic.



Figure:

### OPEN ACCESS

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