

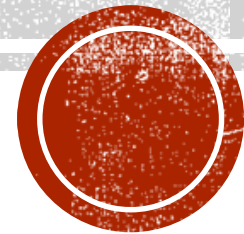
MAXILLARY LATERAL INCISOR

DENTAL ANATOMY

LEC. 4

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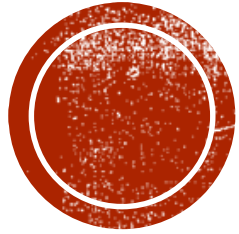
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Because the maxillary lateral incisor supplements the central incisor in function , the maxillary lateral incisor resembles the central incisor in form but it is generally smaller in all dimension except the length of the root.

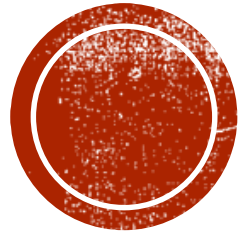




PRINCIPAL IDENTIFYING FEATURES OF MAXILLARY LATERAL INCISOR:-

- **1-The crown is more rounded, shorter & narrower mesio- distally than the maxillary central incisor.**
- **2-The mesio-incisal angle and the disto-incisal angle are more rounded.**
- **3- It has a single root with a tapered, distally curved and pointed apex.**
- **4-The lingual fossa is more concave than that of maxillary central incisor.**





THE LABIAL ASPECT:



1- The crown is shorter and narrower than that of the maxillary central incisor, but the root is as long as or longer than that of the maxillary central incisor.

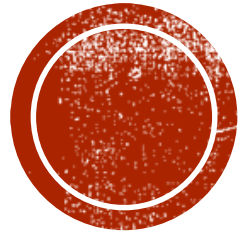
2- The labial surface of the crown is more convex than that of the maxillary central incisor.

3- The mesial outline resembles that of the maxillary central incisor with more rounded mesio-incisal angle with the crest of curvature (contact point) located between the middle and incisal thirds.

4- The distal outline is more rounded with crest of curvature (contact point) at the center of middle third.

5- The root tapers evenly and curves distally at the apex and ends in a pointed apex.





THE LINGUAL ASPECT

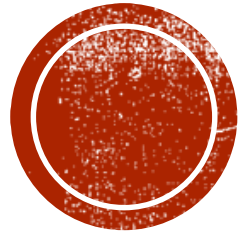


1- The mesial and distal marginal ridges and the lingual portion of the incisal ridge are well marked with a more concaved lingual fossa.

2- The cingulum is prominent.

3- It is not uncommon to find a deep developmental groove at the side of the cingulum usually on the distal side which may extend up on the root.





THE MESIAL ASPECT

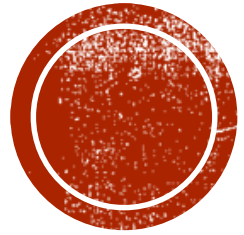


1-The crown is narrower labio-lingually than the maxillary central incisor.

2-The curvature of the cervical line is less than that of the maxillary central incisor.

3-The root appears as a tapered cone and a line bisecting the root bisect the incisal ridge.





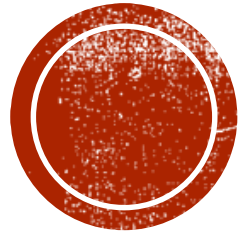
DISTAL ASPECT



1-The curvature of cervical line distally is less than that of mesially.

2- It is common to find a developmental groove on the crown extending to the root.





INCISAL ASPECT



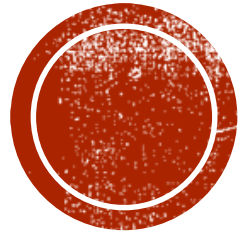
1- The incisal aspect resembles that of the maxillary central incisor but:

A-The cingulum and incisal ridge may be large.

B-The labio- lingual to mesio- distal measurement may be larger therefore it resembles a small canine.

2- All maxillary lateral incisors exhibit more convexity labially and lingually from the incisal aspect than maxillary central incisor





VARIATION FROM THE TYPICAL FORM (ANOMALIES):



- Maxillary lateral incisors vary in form more than any other tooth in the mouth except the third molar.

1- Peg-shape lateral incisor with a thin root and a small conical crown.

2- The maxillary lateral incisor may be congenitally missing.

3- Large developmental groove on the palatal aspect extending to the root (palatogingival groove, palatoradicular groove).



Have a
good day!

ANY QUESTION??

My Friends

Google

will answer it..



**AHMAD
ALJOBORY**

