

**Maxillary lateral
incisors**



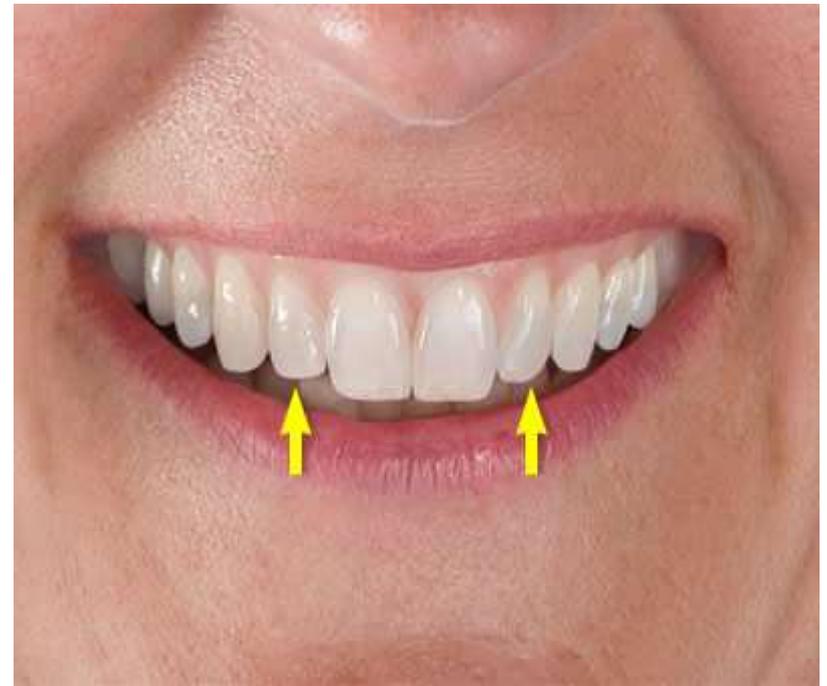
Maxillary lateral incisor

Characteristics of the maxillary lateral incisors:

The maxillary lateral incisor is the second tooth from the median line and it resembles the maxillary central incisor in the form, anatomy and the function but, smaller in all dimensions than the central incisors

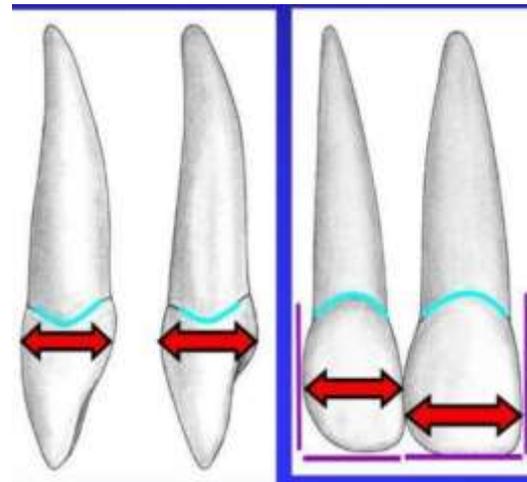
Function of lateral incisors

1. Shearing or Cutting food ,
2. Speech and support for lips



Labial aspect :

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

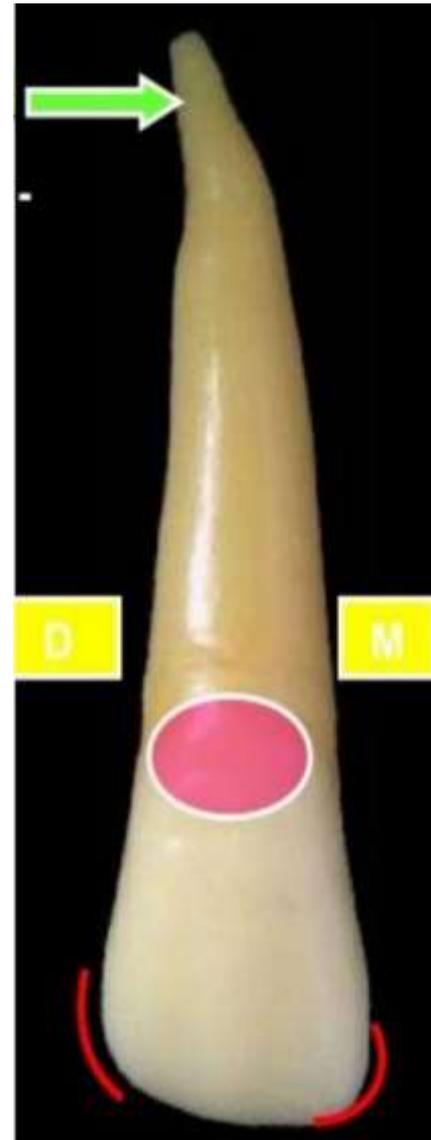


2. The labial surface of the crown is more convex than that of the maxillary central incisor.

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 .

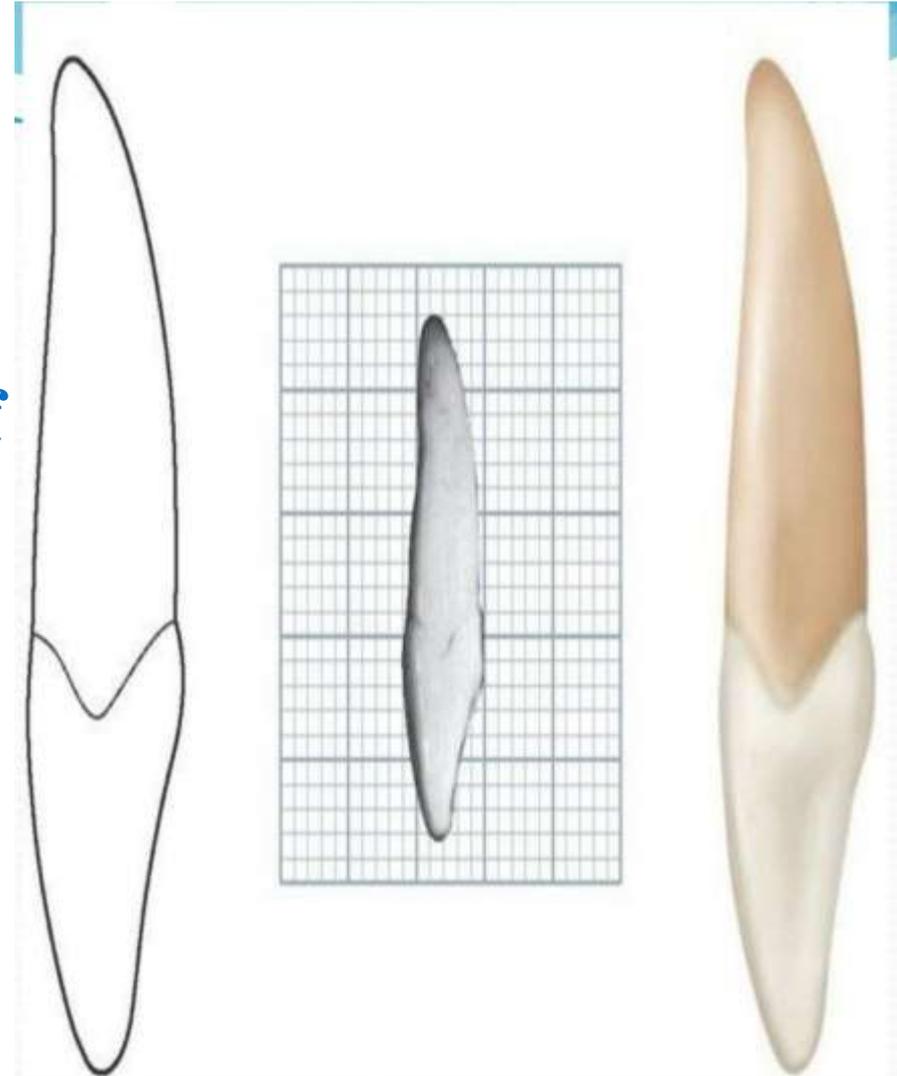
4. The distal outline is more rounded ,with the crest of curvature (contact point)at the center of the middle third.

5. The root tapers evenly ,and curves distally at the apex.



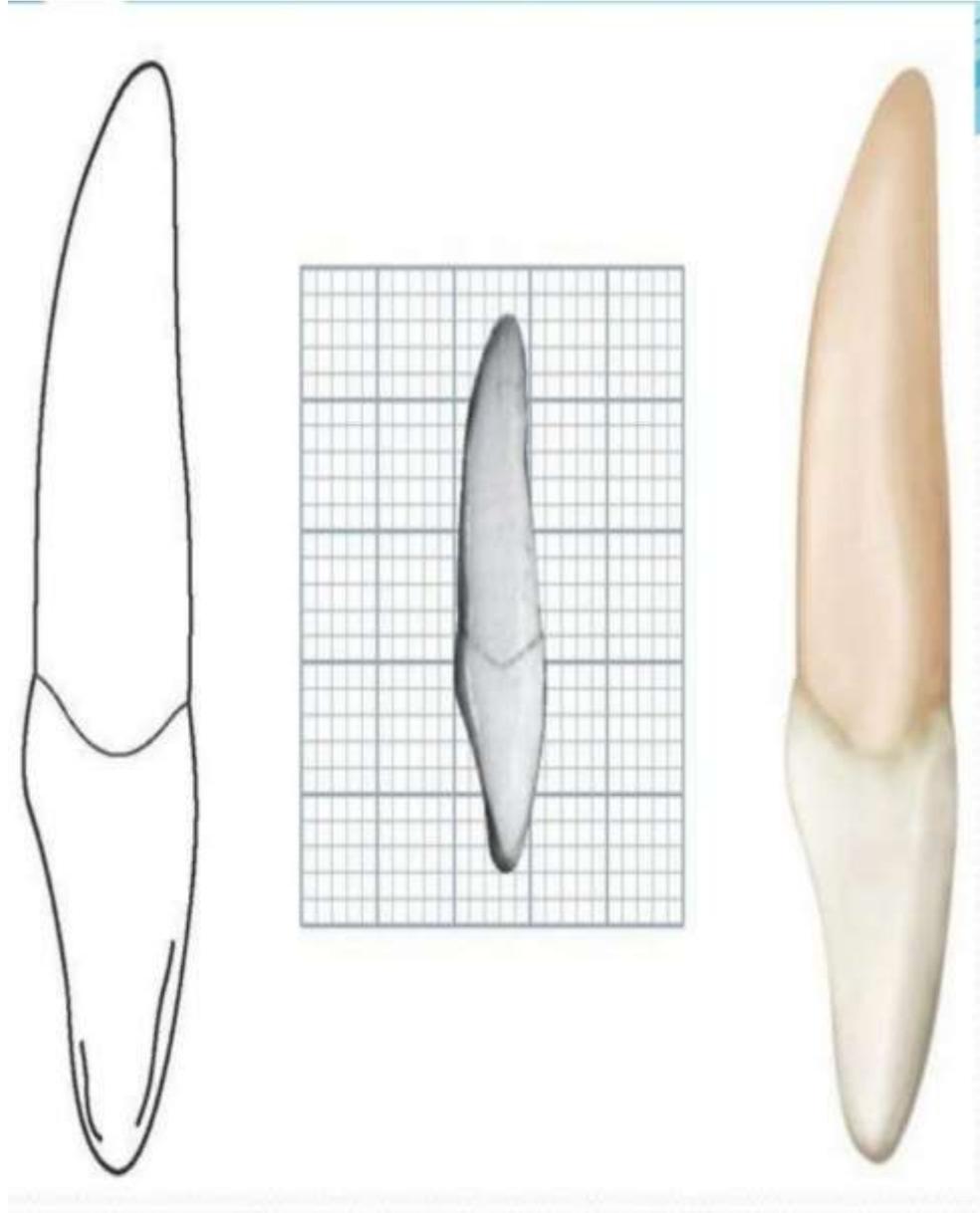
Mesial aspect

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 bisects the incisal ridge ,which is well developed .



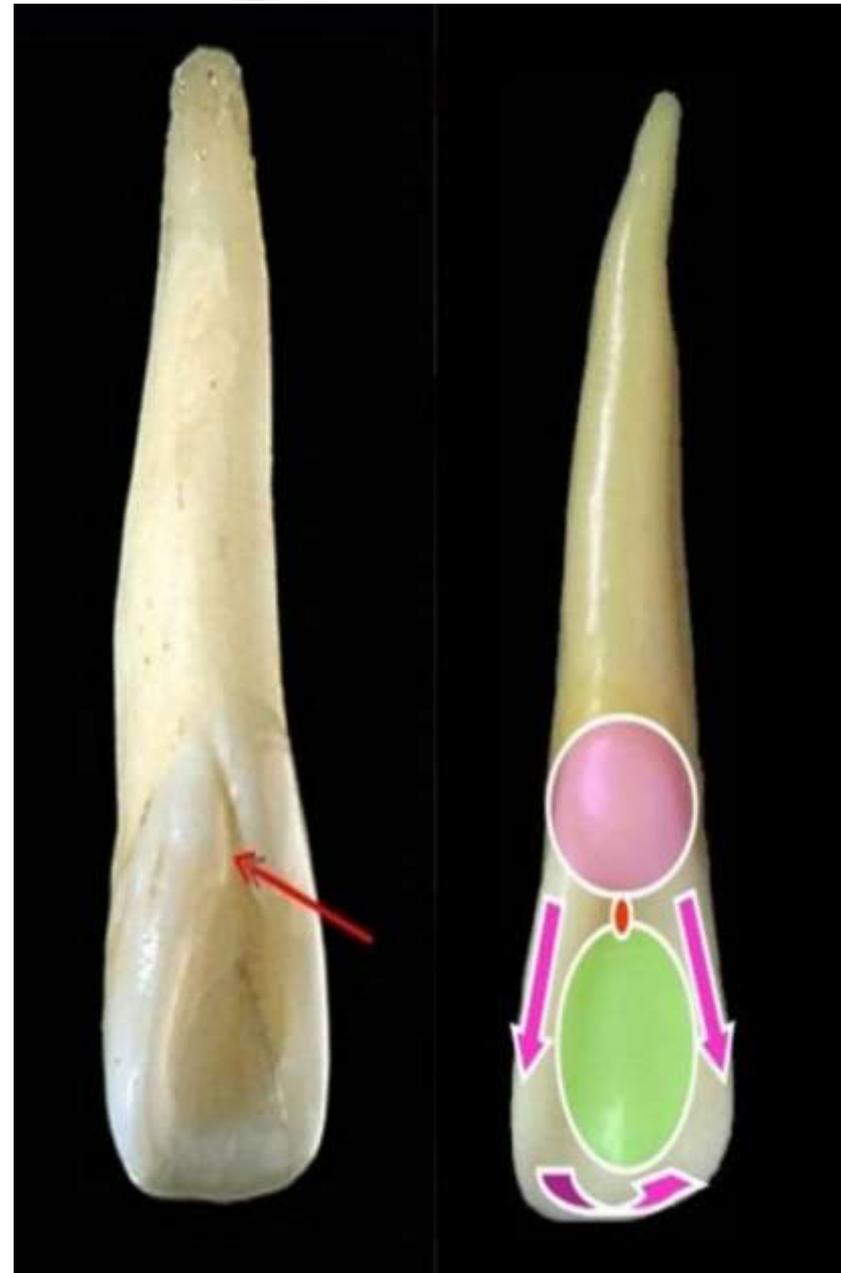
Distal aspect

- 1. The curvature of the cervical line distally is less than that mesially**
- 2. It is not uncommon to find a developmental groove extending to the root .**



Lingual aspect

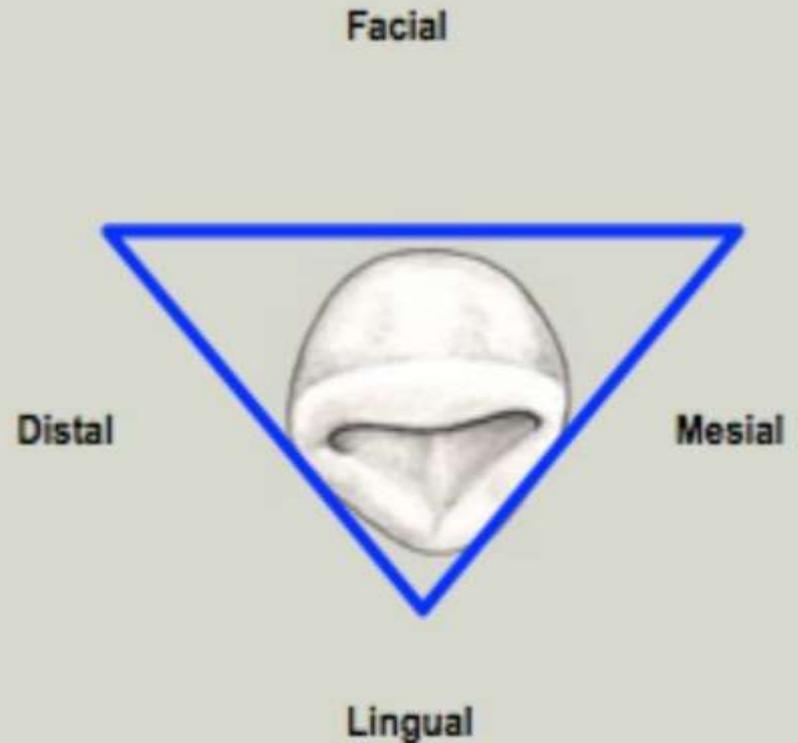
- 1. The mesial and distal marginal ridges and the lingual portion of the incisal ridge are well marked with a more concaved lingual fossa**
- 2. The cingulum is prominent ,with a tendency toward seeing a deep developmental groove within the lingual fossa**



Incisal aspect

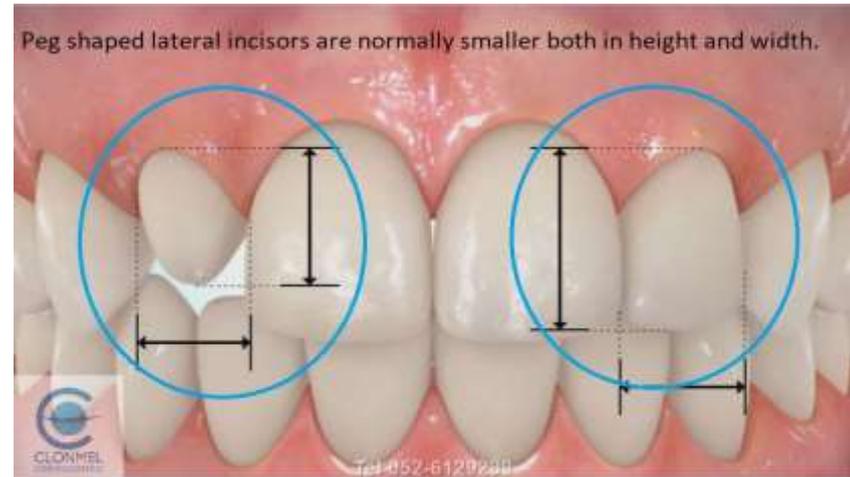
* The incisal aspect of this tooth sometimes resembles that of the central incisor .but, the cingulum and incisal ridge may be large

* The labio lingual and mesio distal measurement is larger than central incisors resembling small canine



The variations of the lateral incisors from the typical form (anomalies):

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



2. Dwarfed lateral incisors.



3. The maxillary lateral incisor may be congenitally missing and frequent absence from the arch in the second dentition.



4. Large developmental groove on the distal aspect extending to the root.

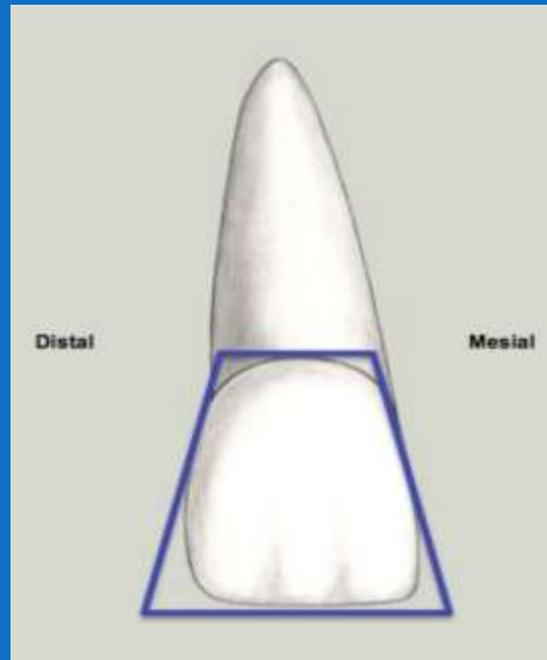


The main differences between the maxillary Central and Lateral Incisor

Labial aspect

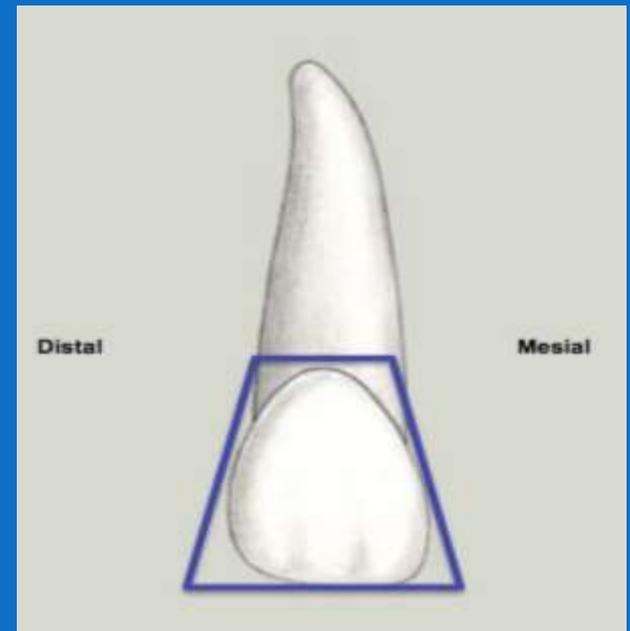
Maxillary central incisors

1. The crown is longer and wider mesio-distally.
2. The mesial outline is straight or slight convex with sharp mesio- incisal angle with crest of curvature near the mesio-incisal angle.



Maxillary lateral incisors

1. The crown is shorter and narrower mesio-distally.
2. The mesial outline is similar to the central incisor with more rounded mesio-incisal angle with crest of curvature near at the junction between middle and incisal thirds.



**Labial
aspect**

Maxillary central incisors

3. The distal outline is more convex than the mesial outline with crest of curvature closer to middle third.

4. The root has cone shaped with blunt apex

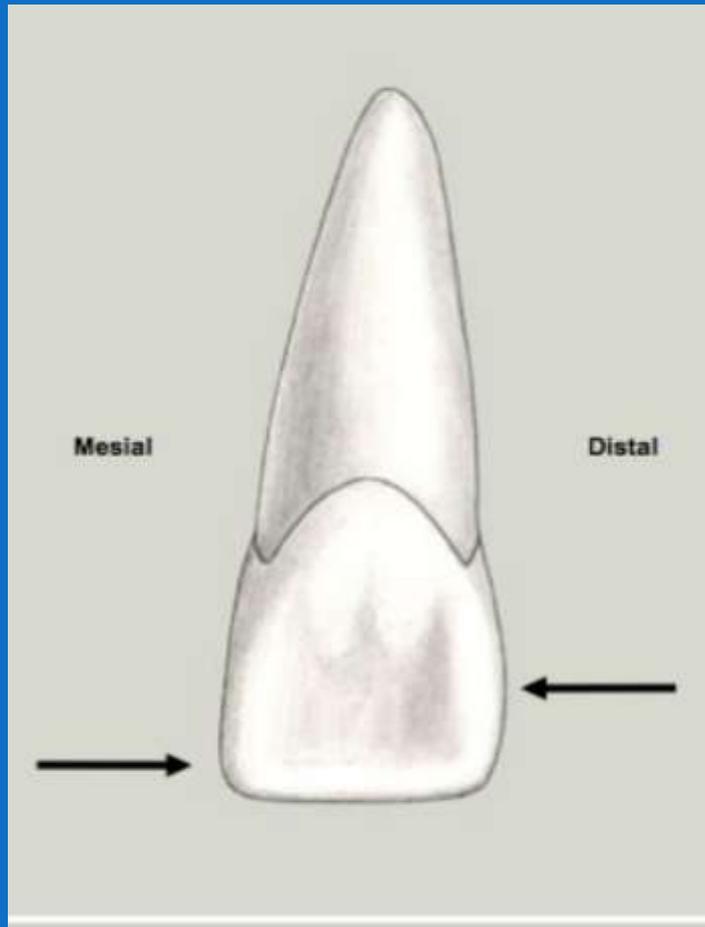
Maxillary lateral incisors

3. The distal outline is more rounded with crest of curvature in the center of the middle third

4. The root is tapered and curve distally with pointed apex.

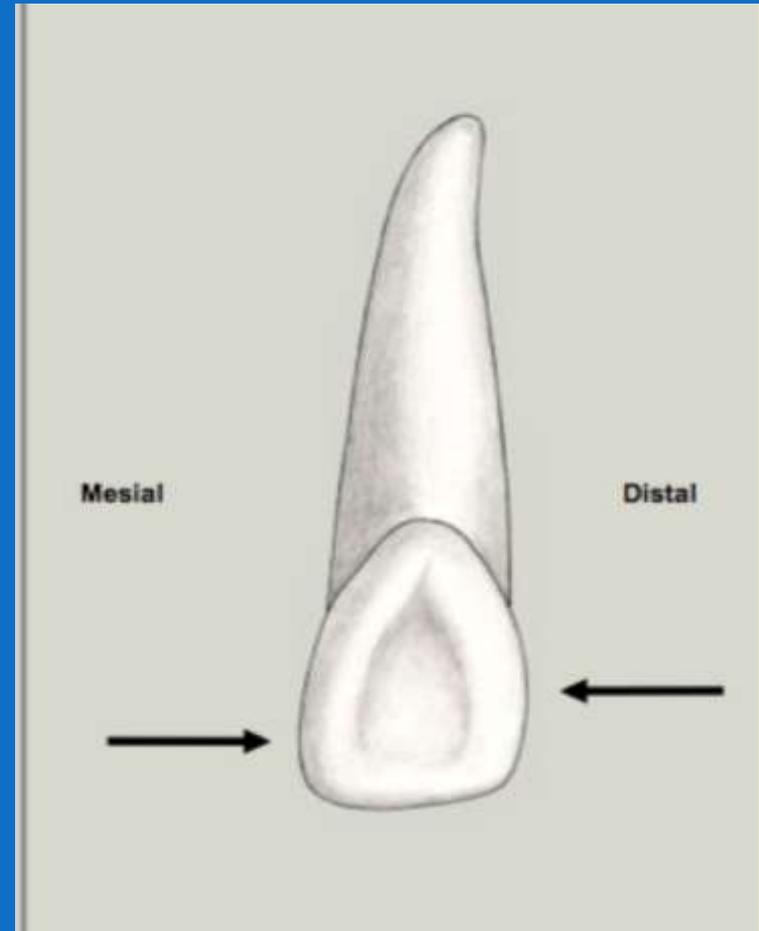
Maxillary central incisors

5. Well defined lingual anatomical landmarks.



Maxillary lateral incisors

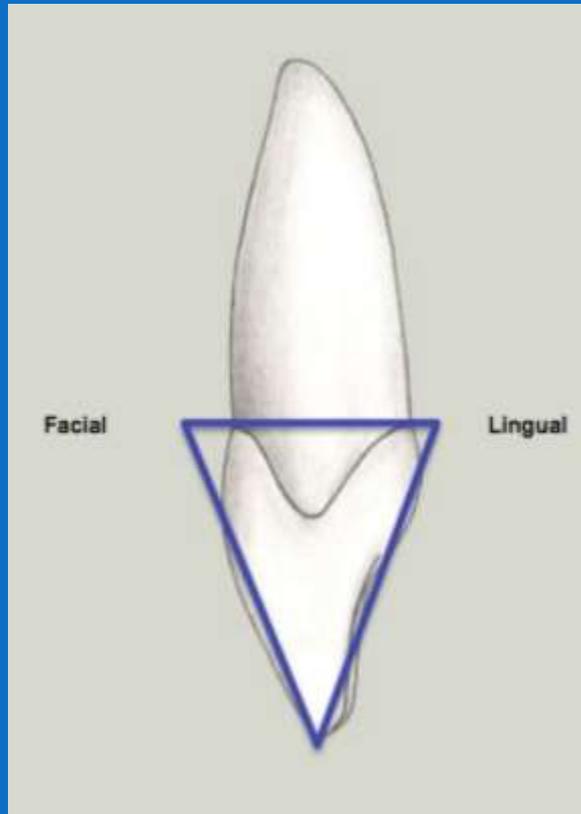
5. More prominent cingulum with more concave lingual fossa.



Lingual aspect

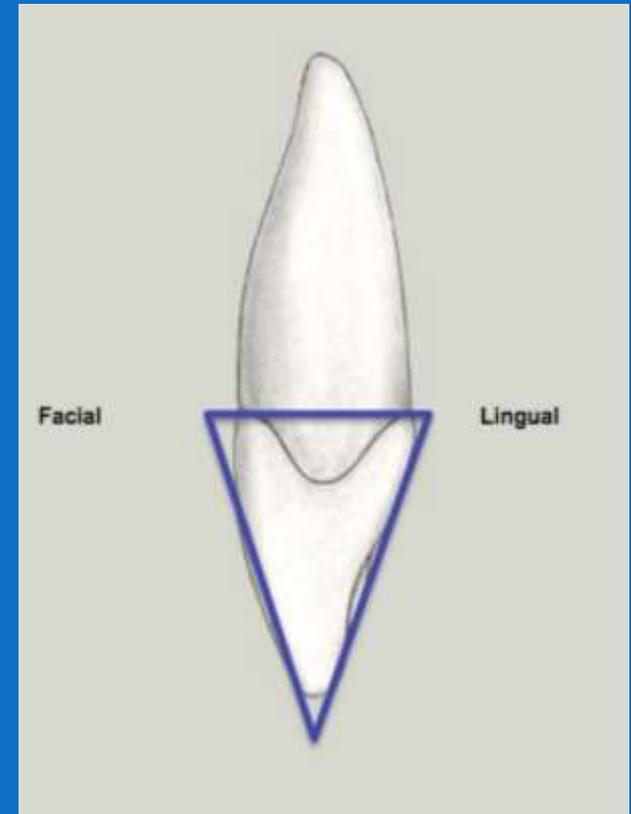
Maxillary central incisors

6. The crown is wider labio-lingually with a pronounced curvature of the cervical line (3.5mm)



Maxillary lateral incisors

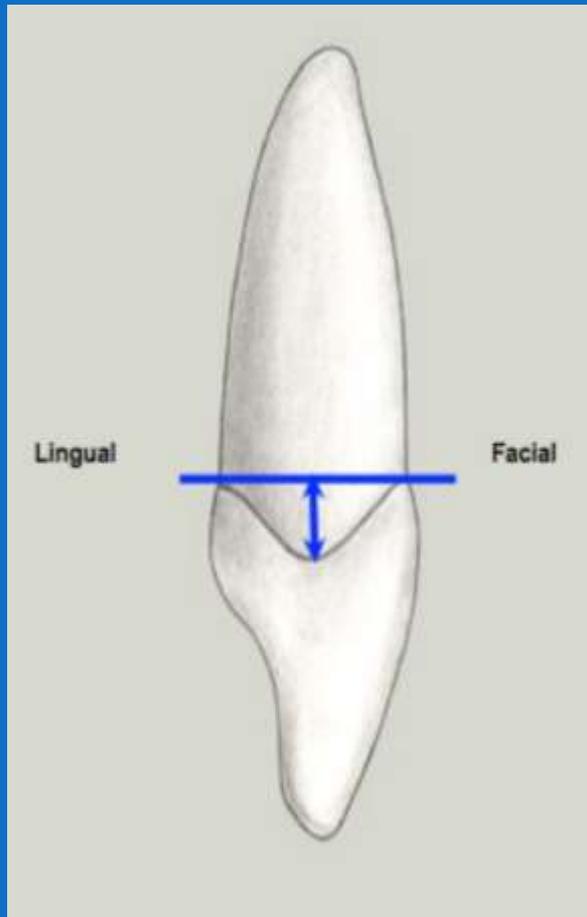
6. The crown is narrower labio-lingually with less pronounced curvature of cervical line (3mm).



Mesial
aspect

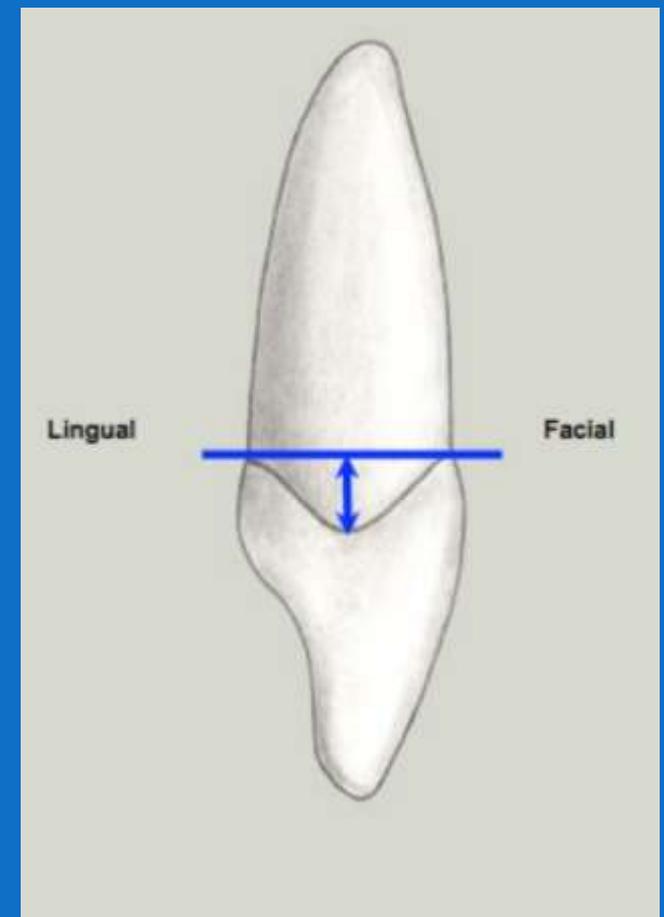
Maxillary central incisors

7. The curvature of the cervical line is more extend (2.5mm)



Maxillary lateral incisors

7. The curvature of the cervical line is less extending (2mm).



Distal
aspect

**Thank
you**

