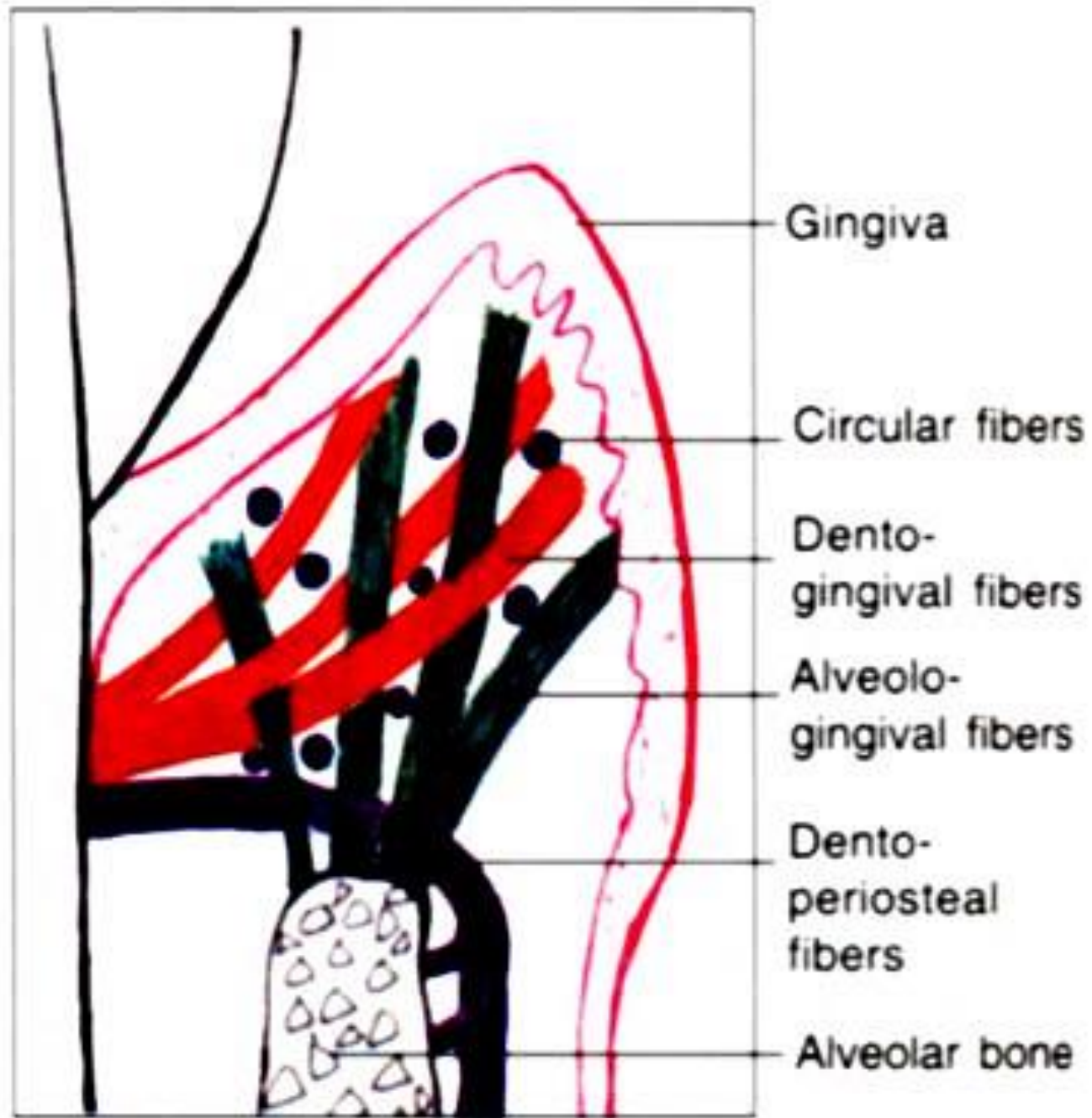


11. PDL, Alveolar bone, Maxillary sinus



**Gingival
epithelium**

**Dentoperiosteal
fibers**

Dentin

**Alveolar crest
group**

Horizontal group

**Alveolar
process**

Oblique group

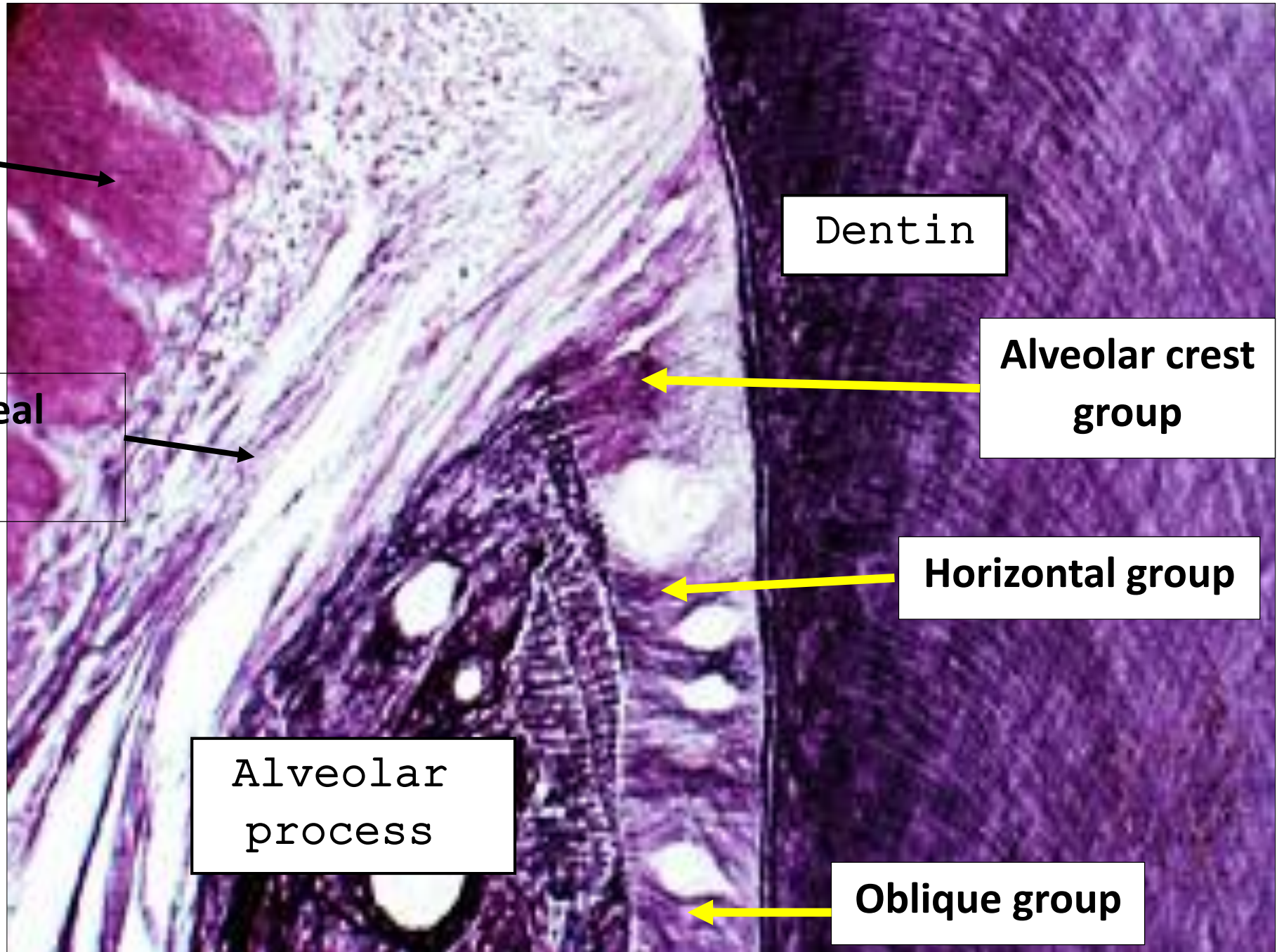
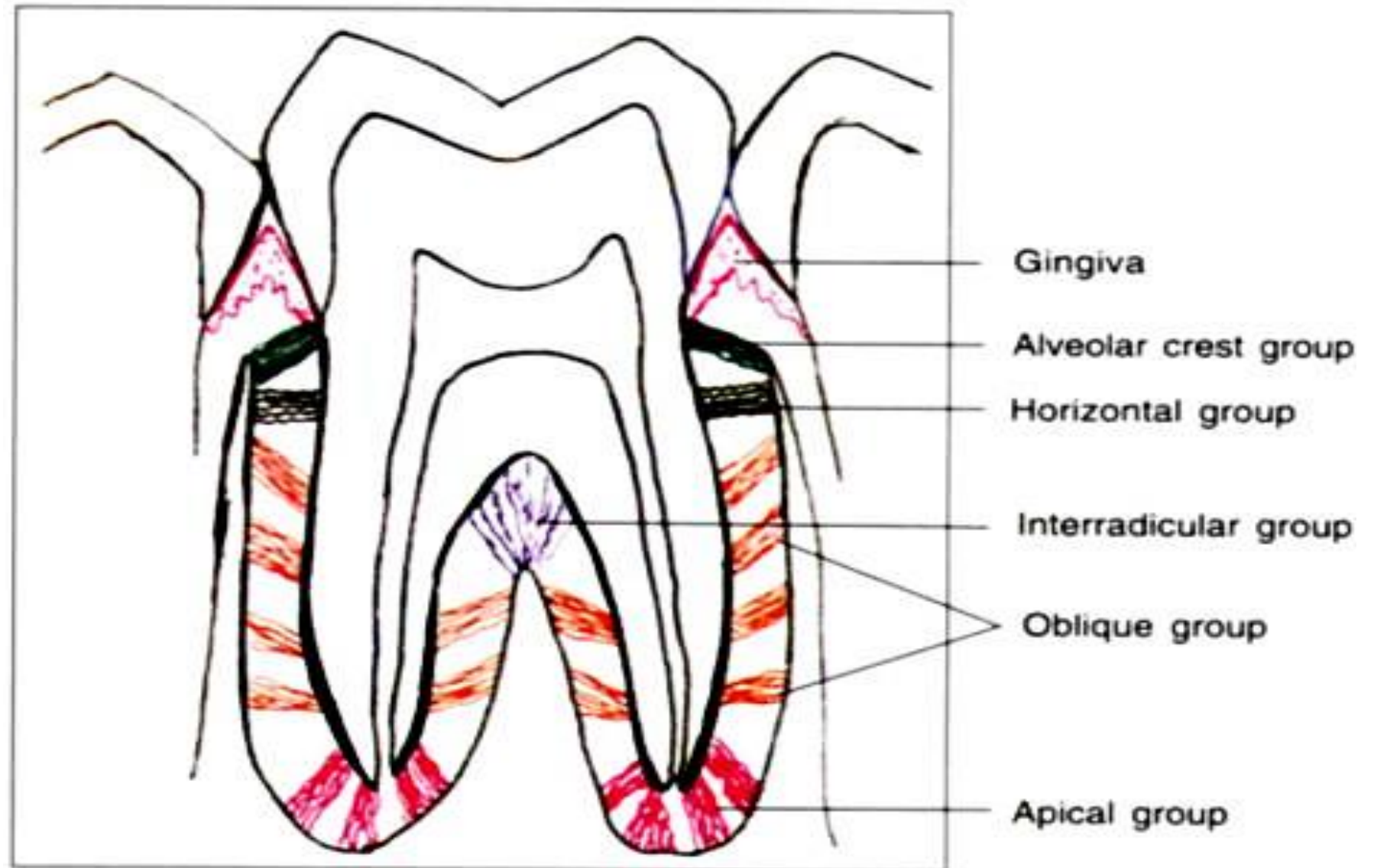
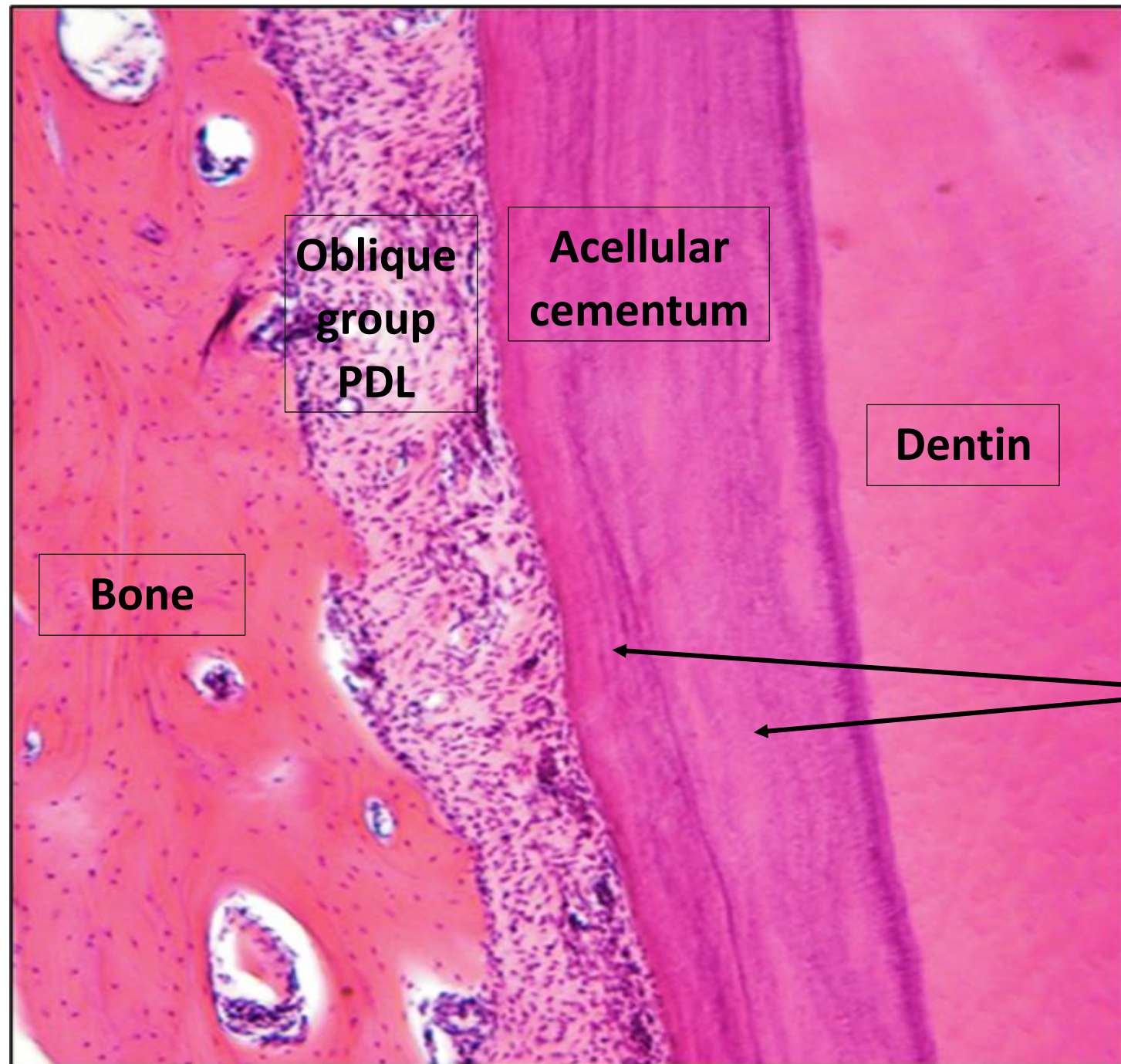


diagram of various principal fiber groups of PDL





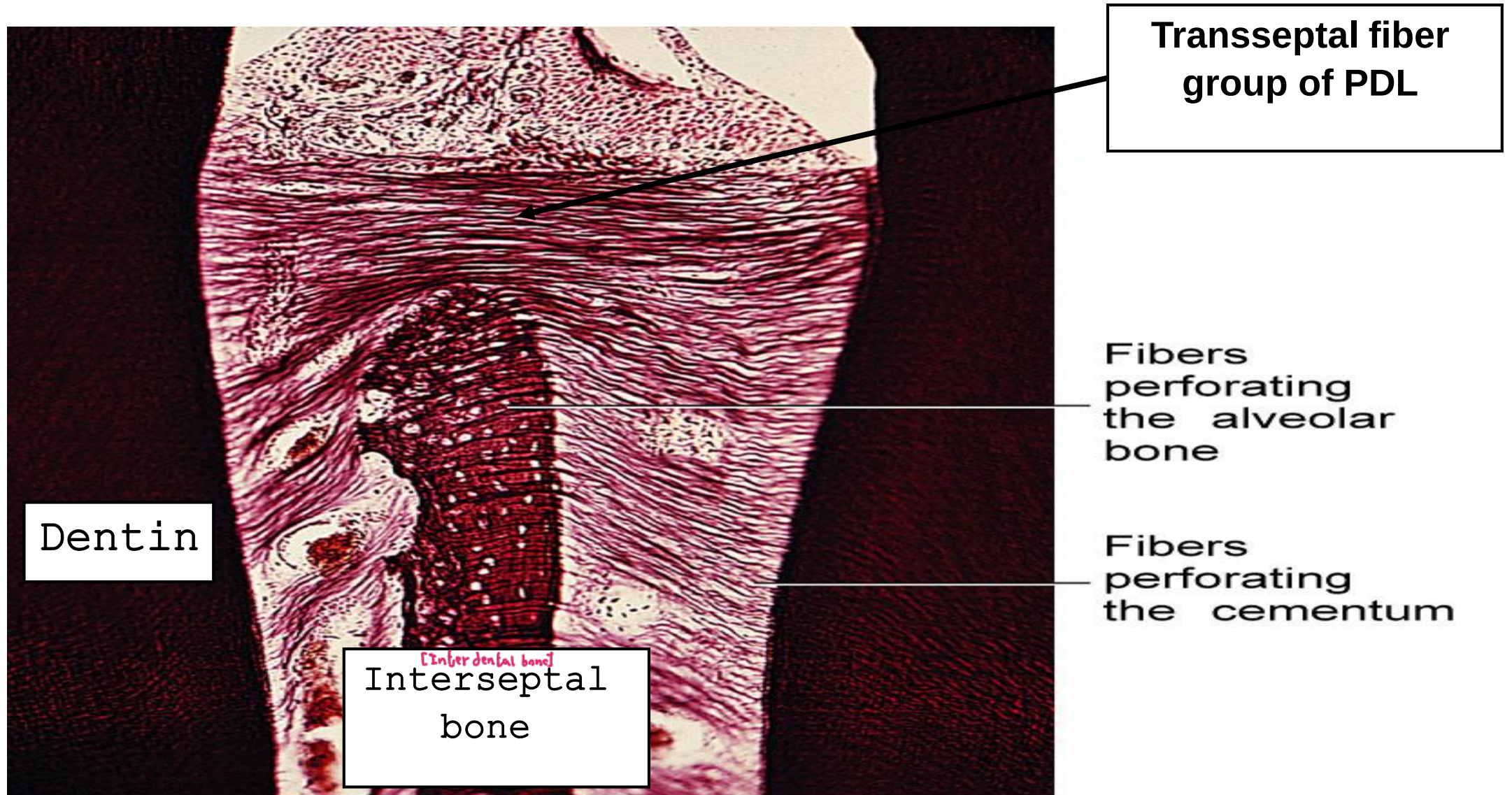
**Oblique
group
PDL**

**Acellular
cementum**

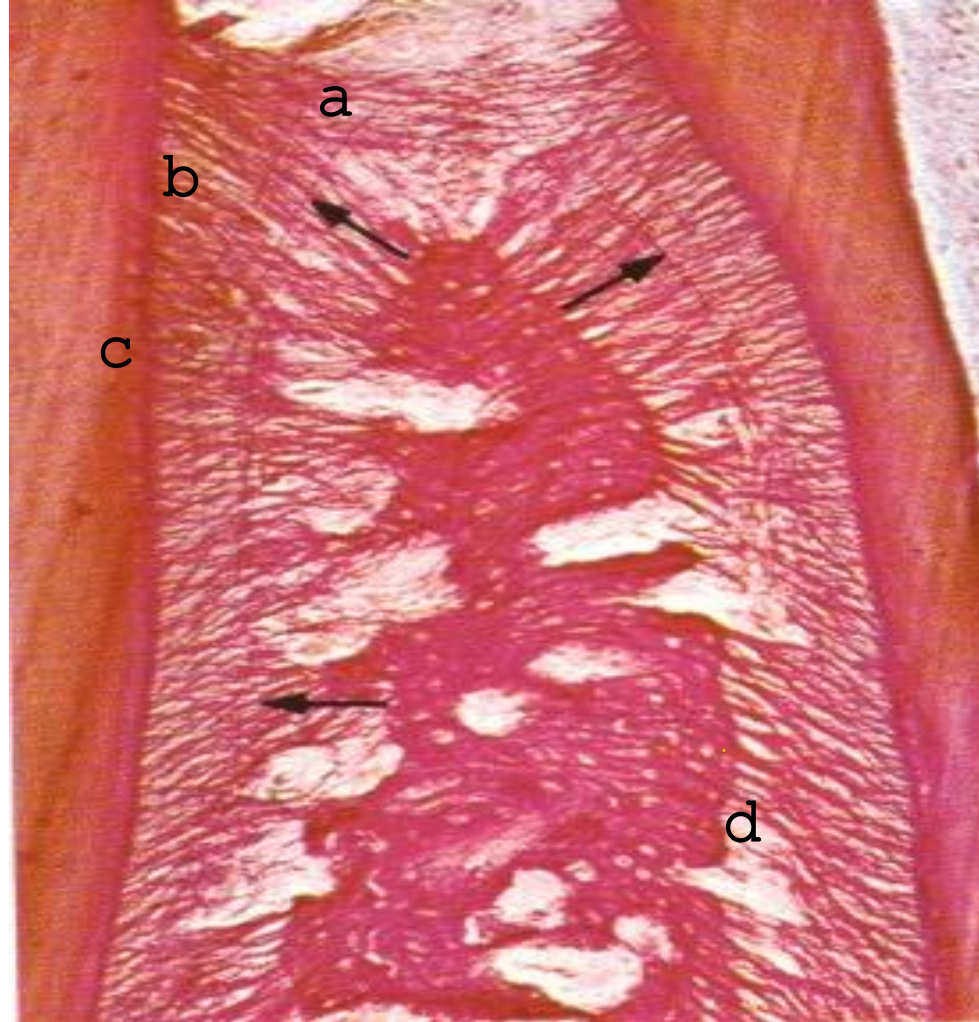
Dentin

Bone

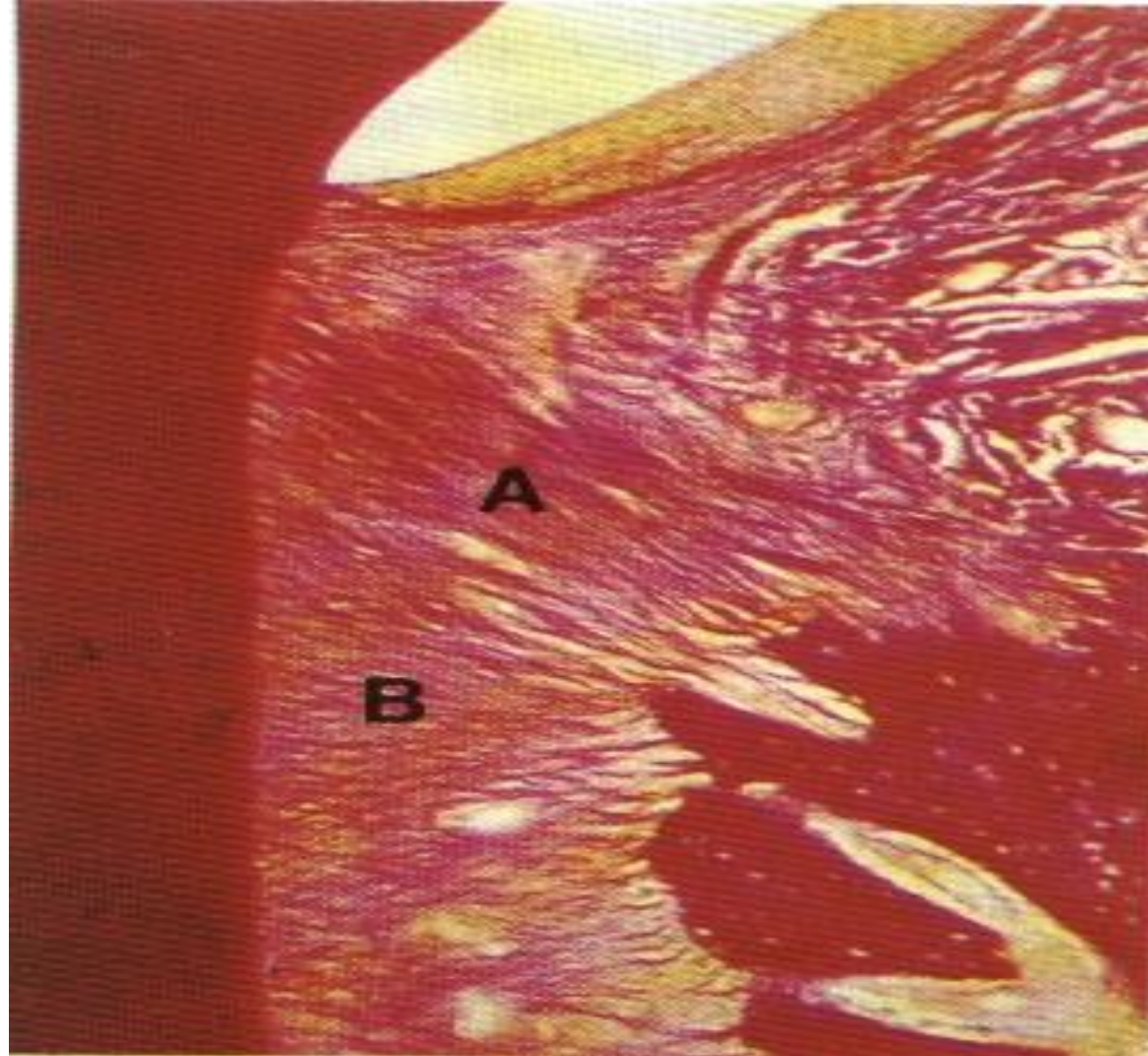
**Incremental
lines of
Salter**



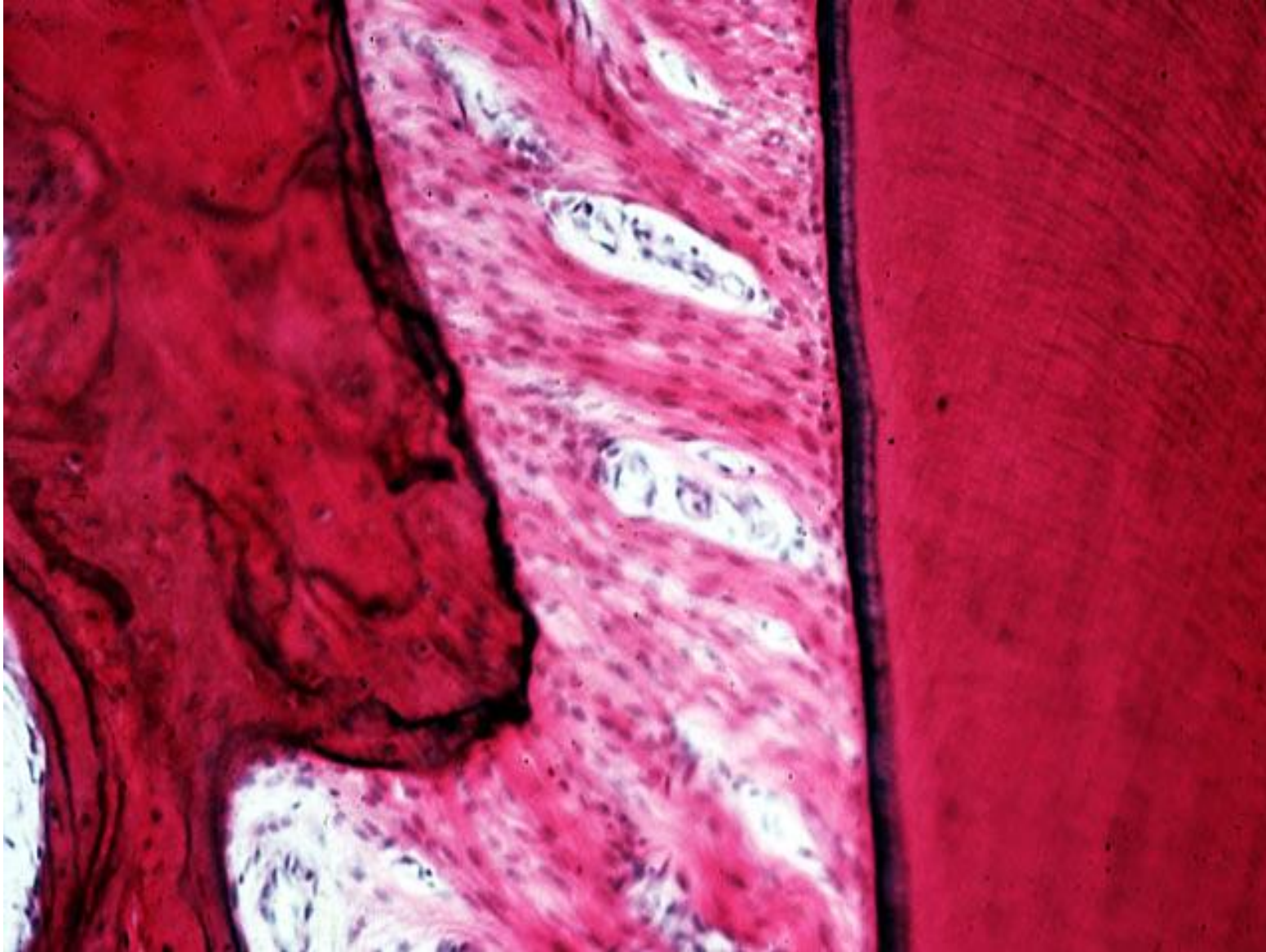
a. Transseptal, b. alveolar crest, c. horizontal & d. oblique



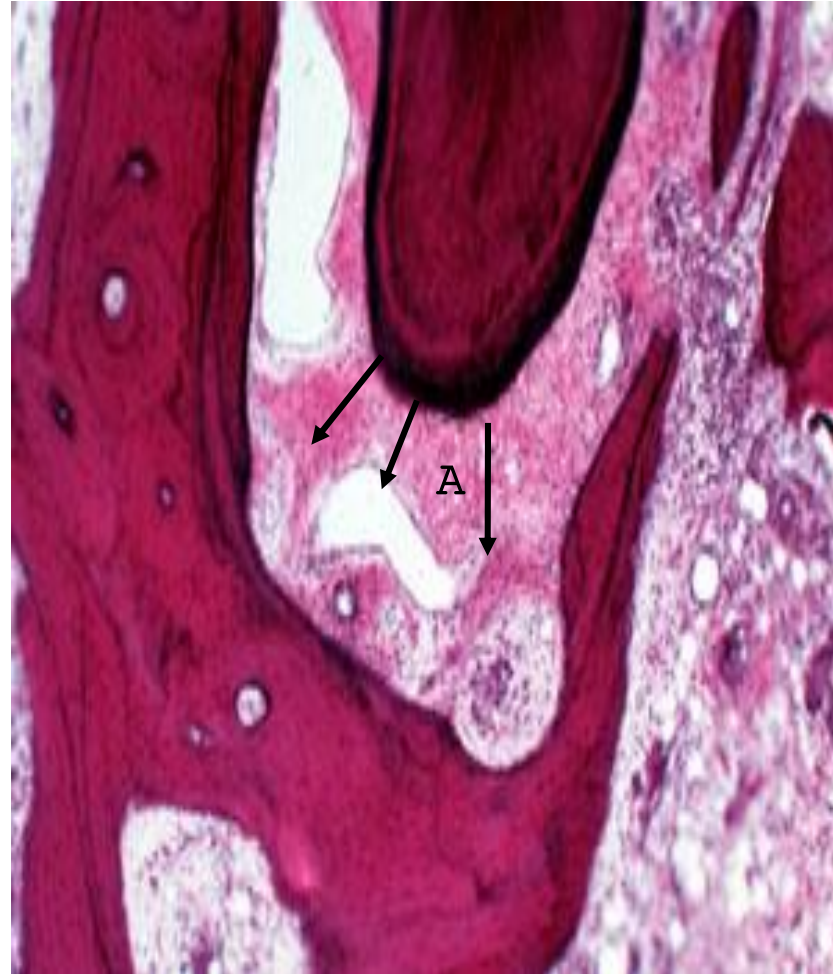
A. Alveolar crest & B. horizontal gps.

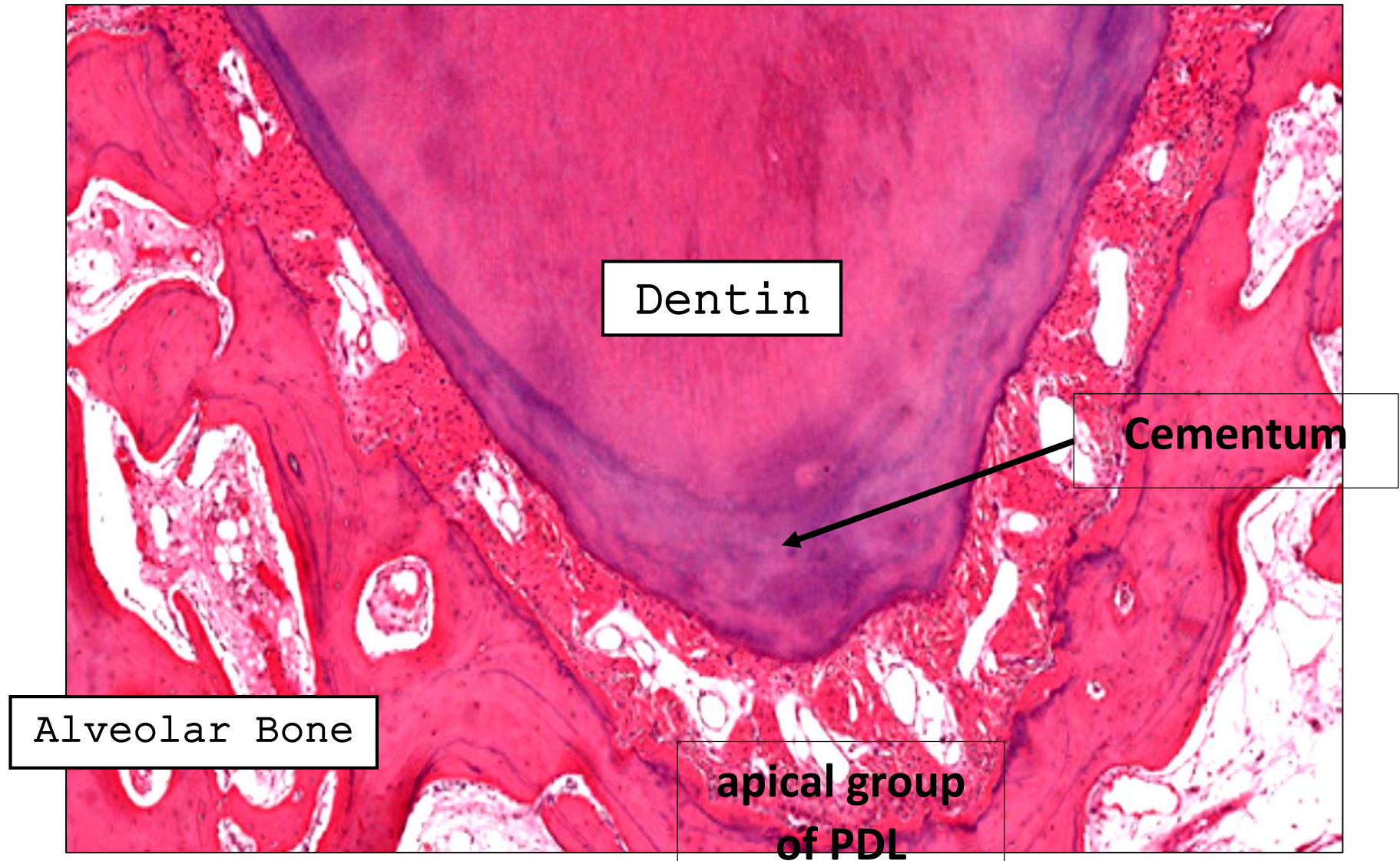


~~×~~ Oblique group

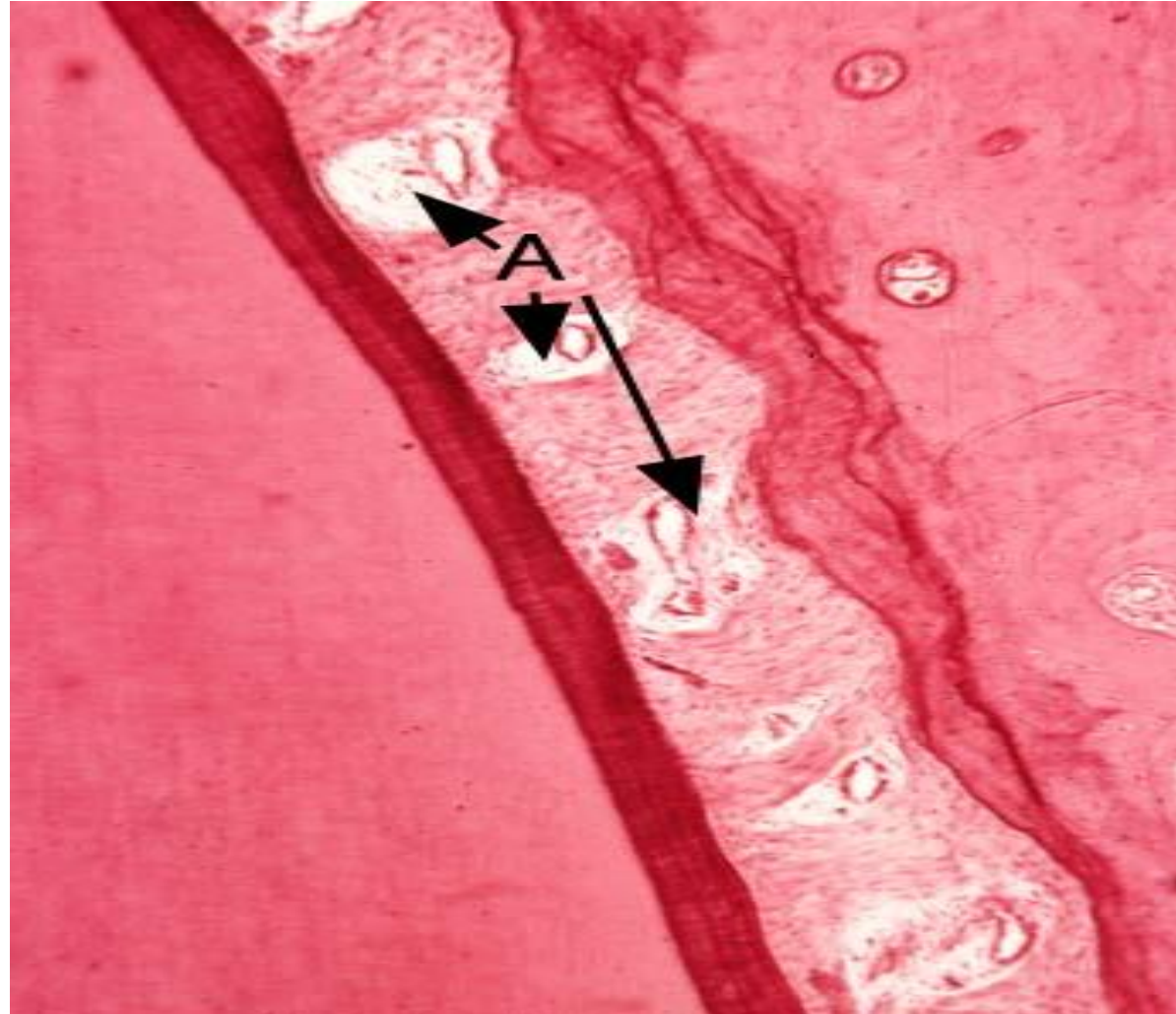


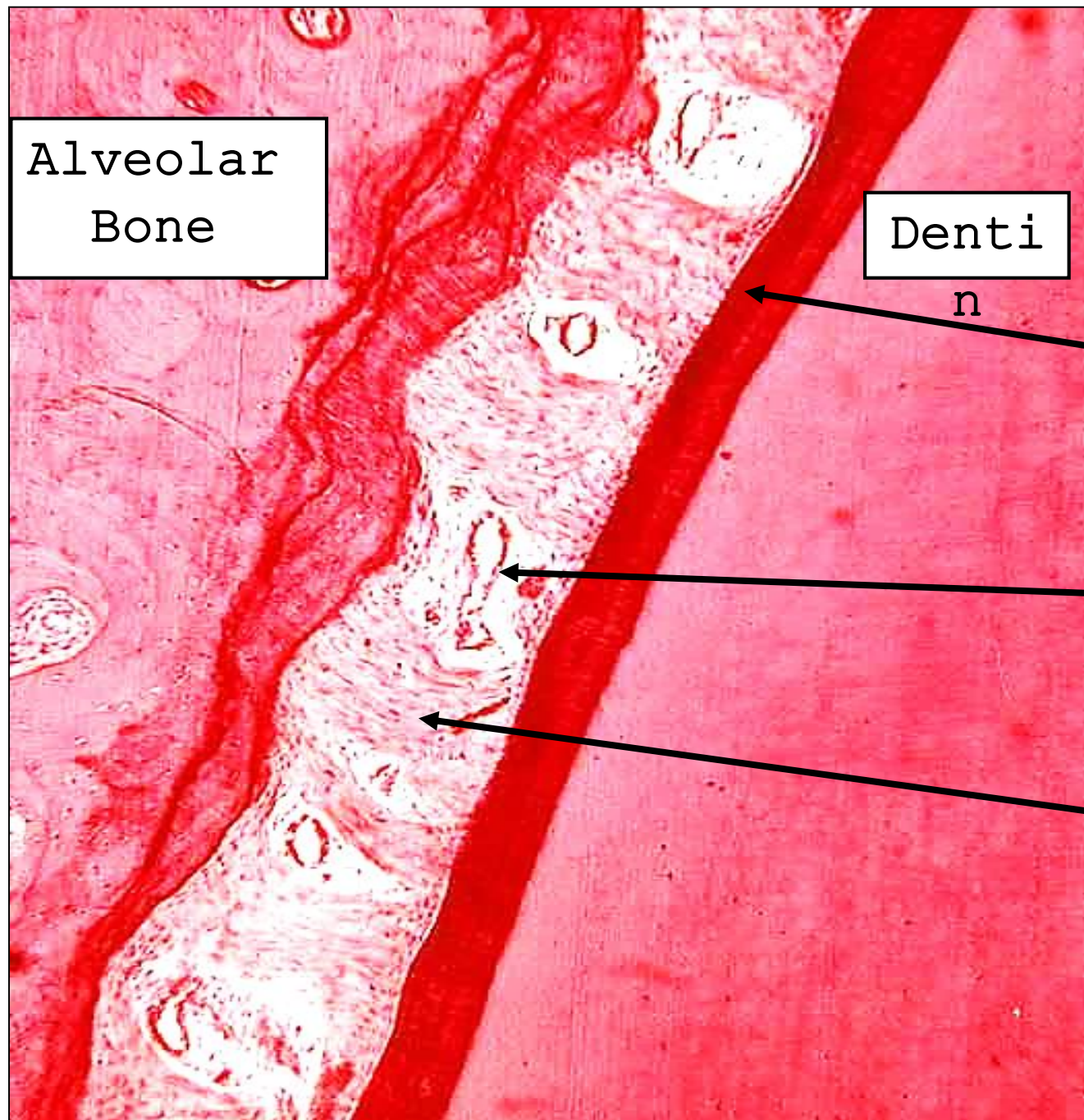
Apical group





Interstitial spaces





Alveolar
Bone

Denti
n

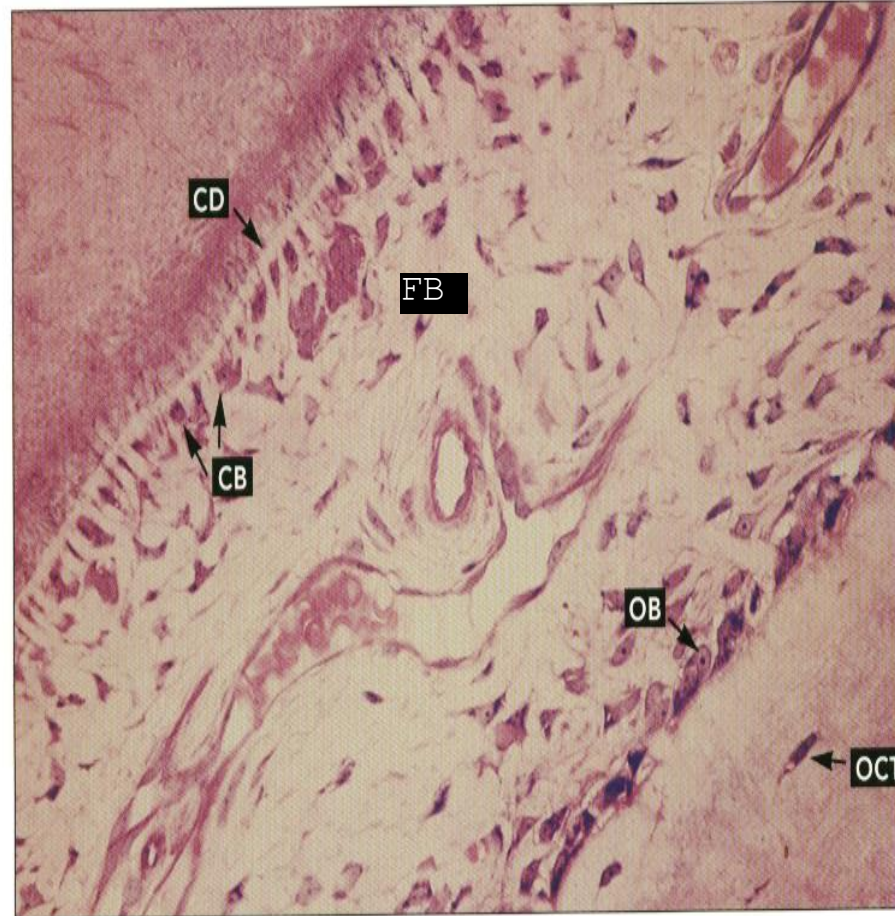
Acellular
cementum

Interstitial
tissues of PDL

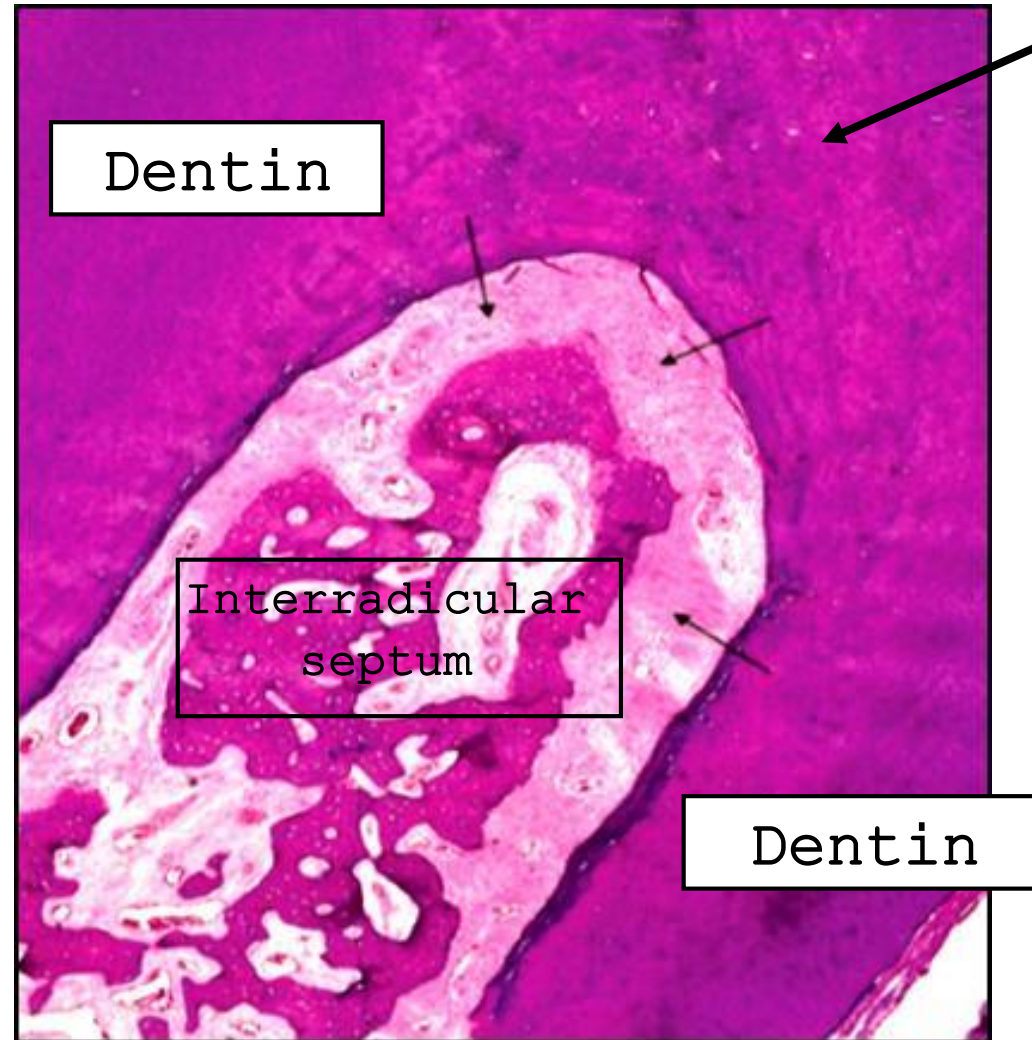
Oblique group
of PDL

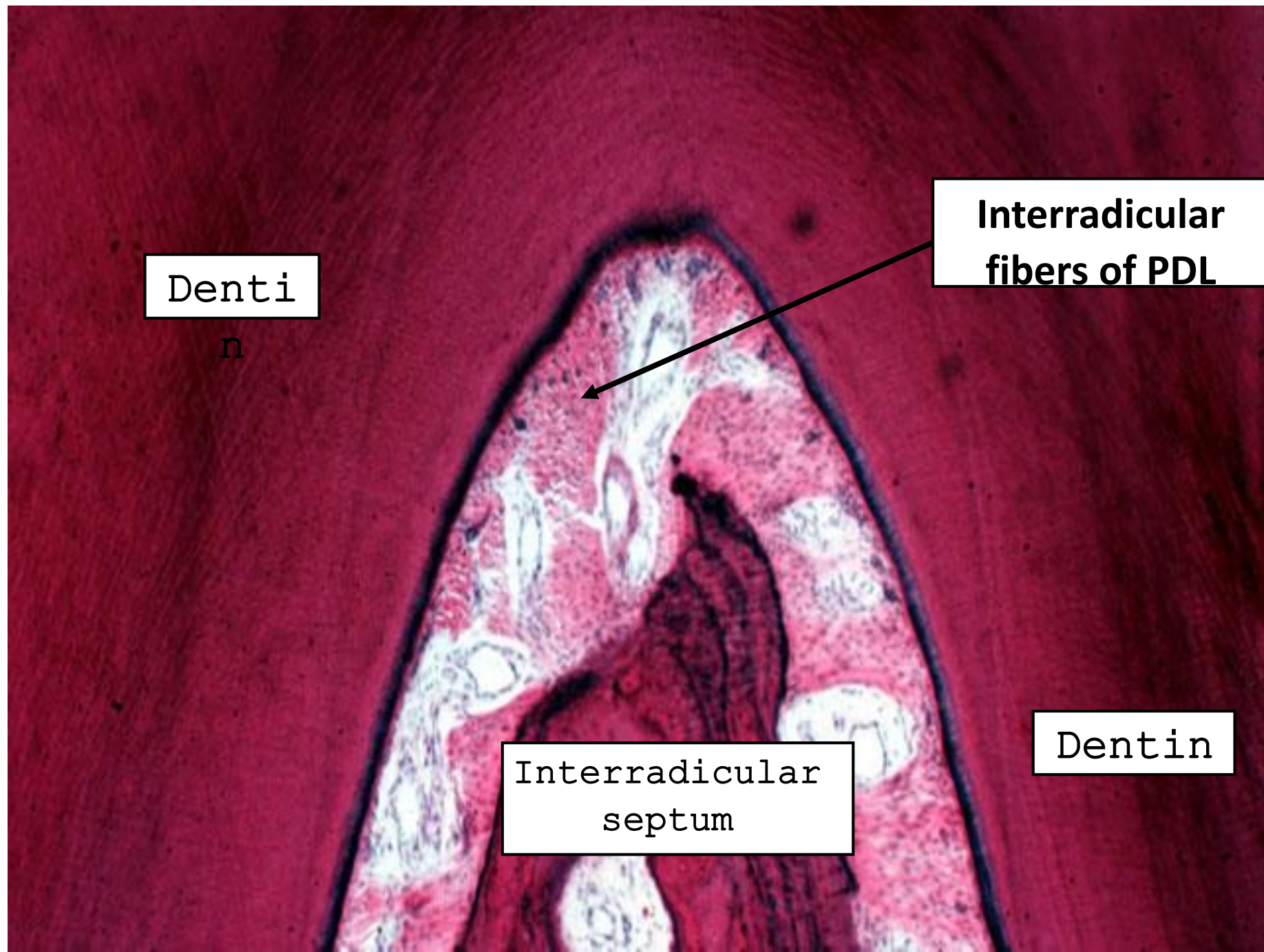
PDL cells

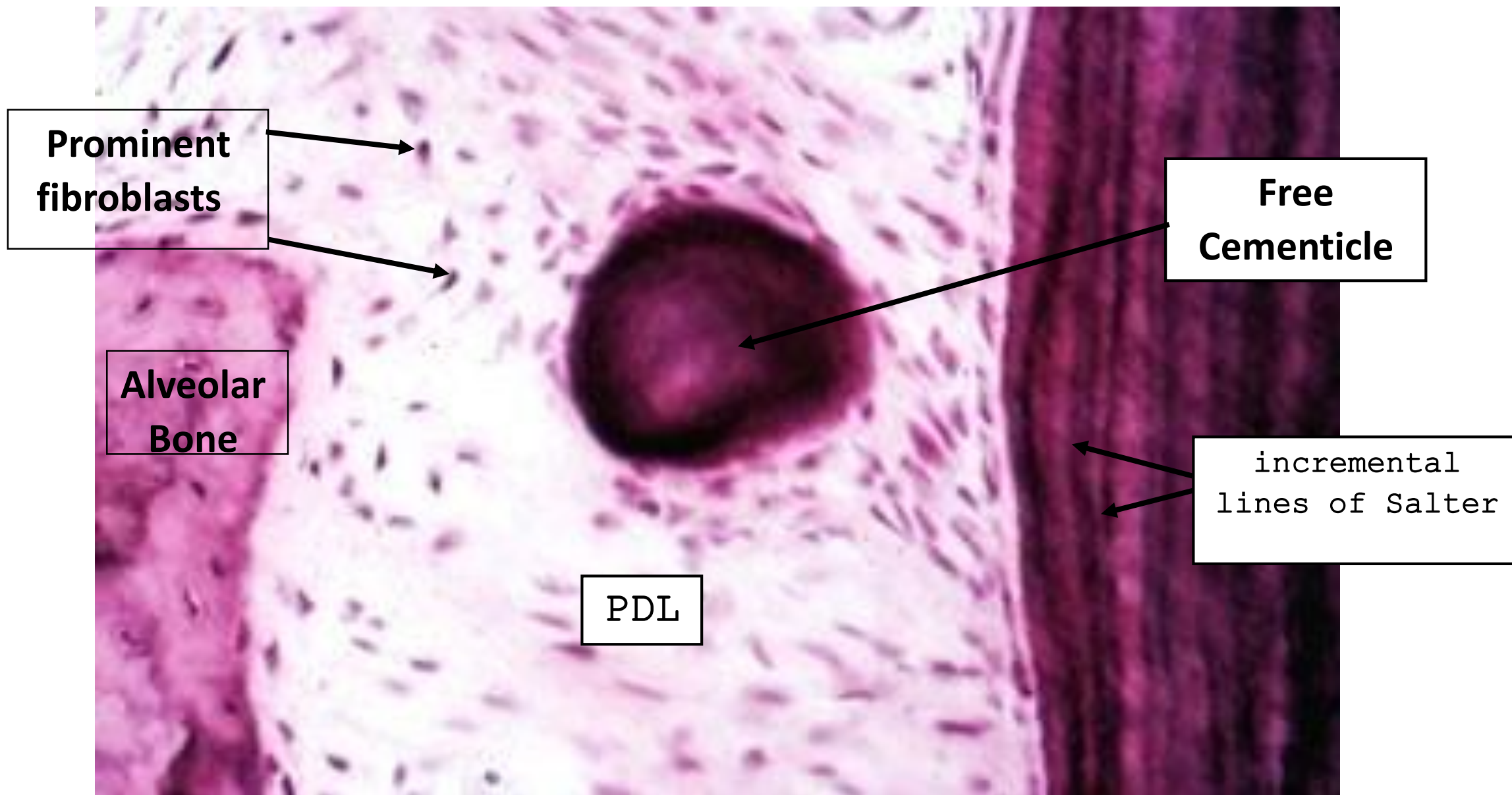
- CB: cementoblasts
- OB: osteoblast
- FB: fibroblast
- CD: cementoid
- OCT: osteocyte

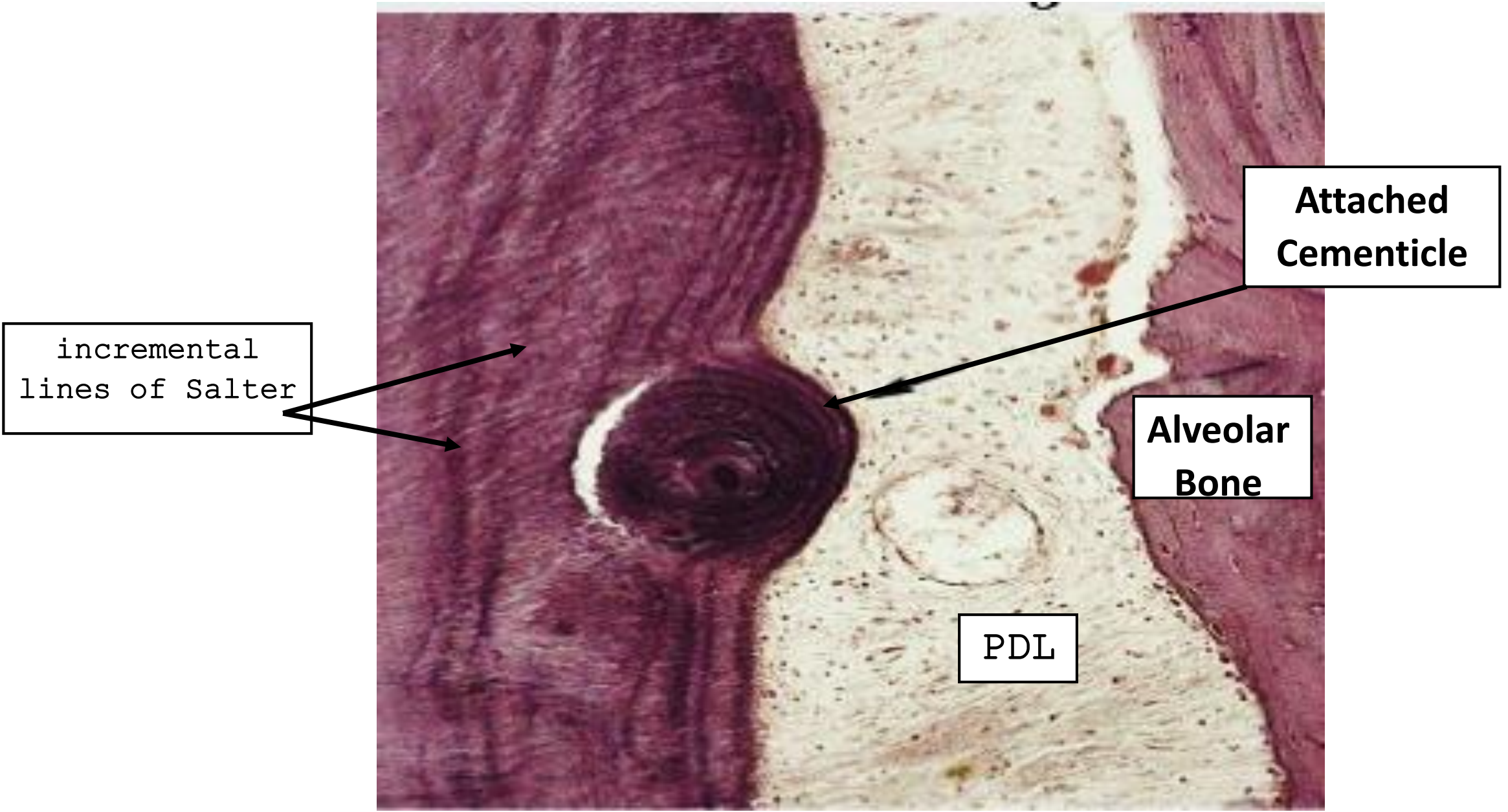


Interradicular fibers of PDL









incremental
lines of Salter

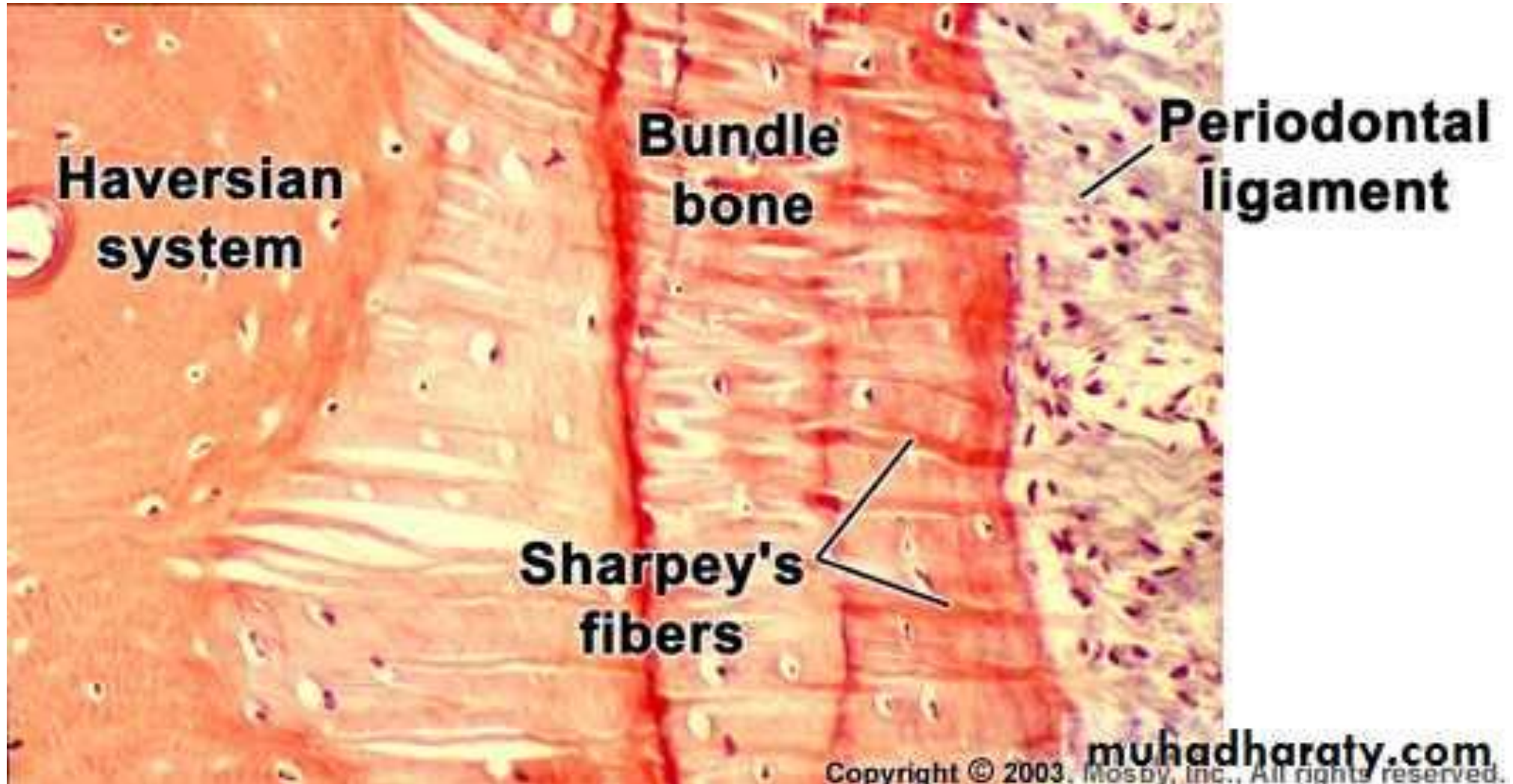
Attached
Cementicle

Alveolar
Bone

PDL

Alveolar bone proper histology

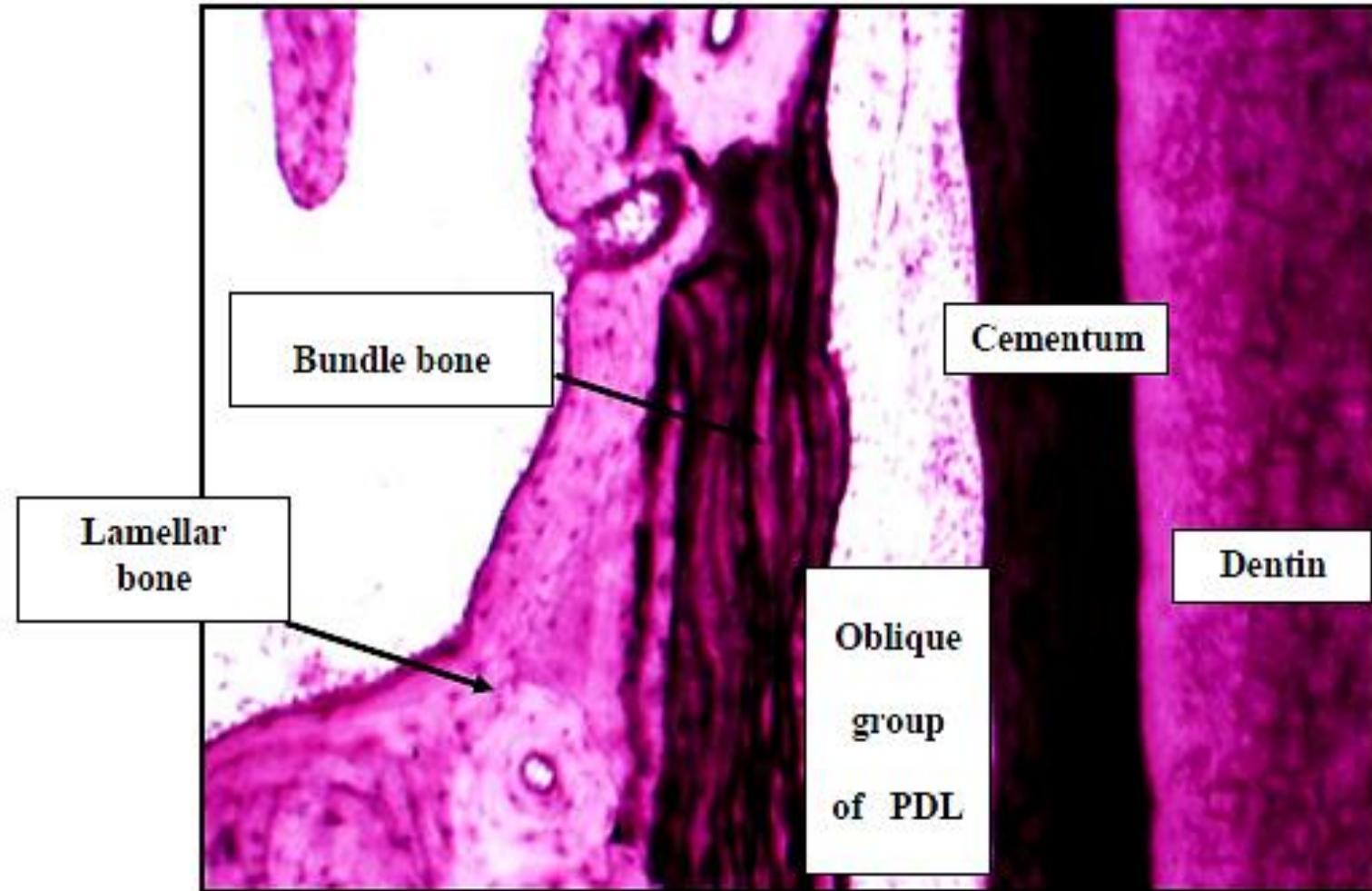
Alveolar bone proper histology



Alveolar bone proper histology



Bundle Bone, lamellar bone





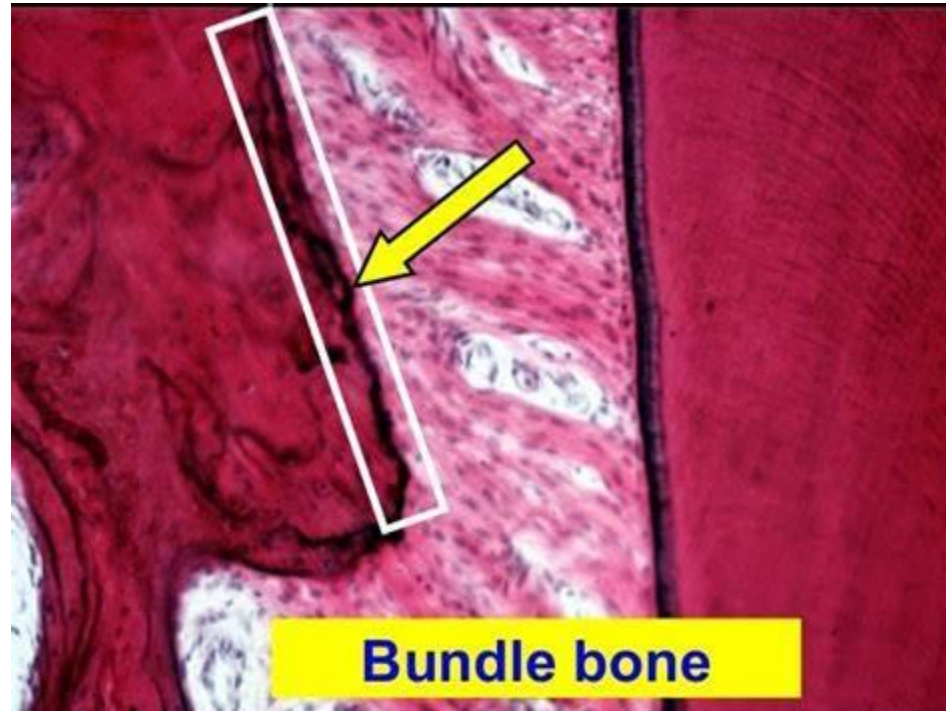
1-bundle bone

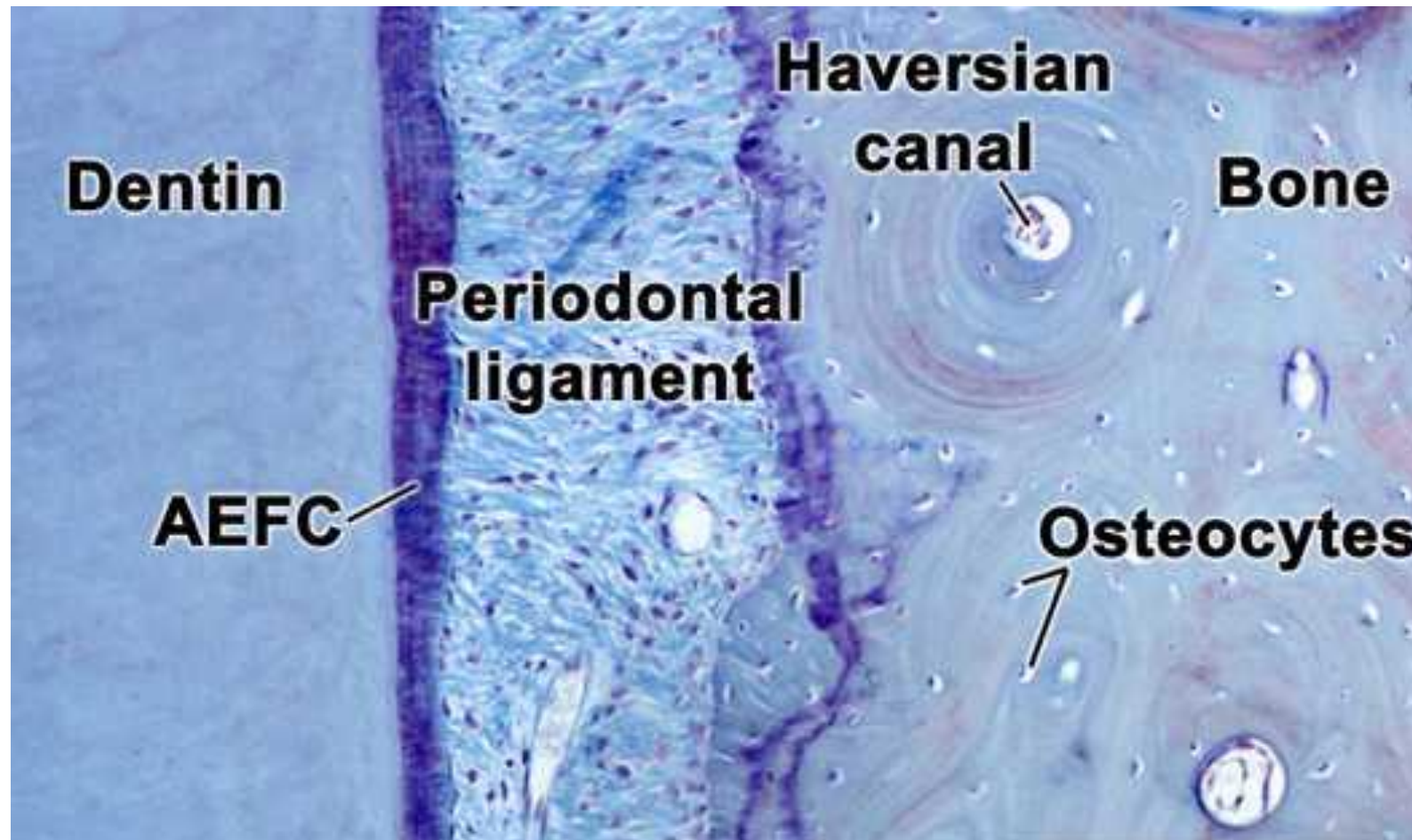
2- parallel lamellae

3-compact bone

4- PDL

Bundle bone

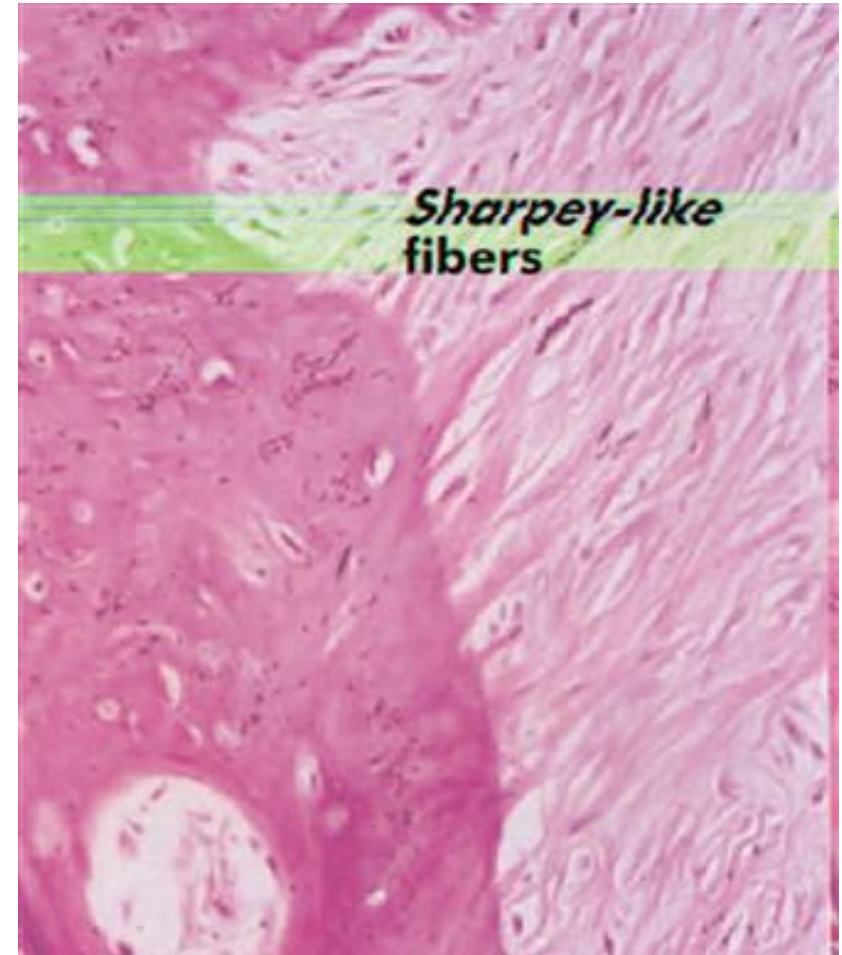
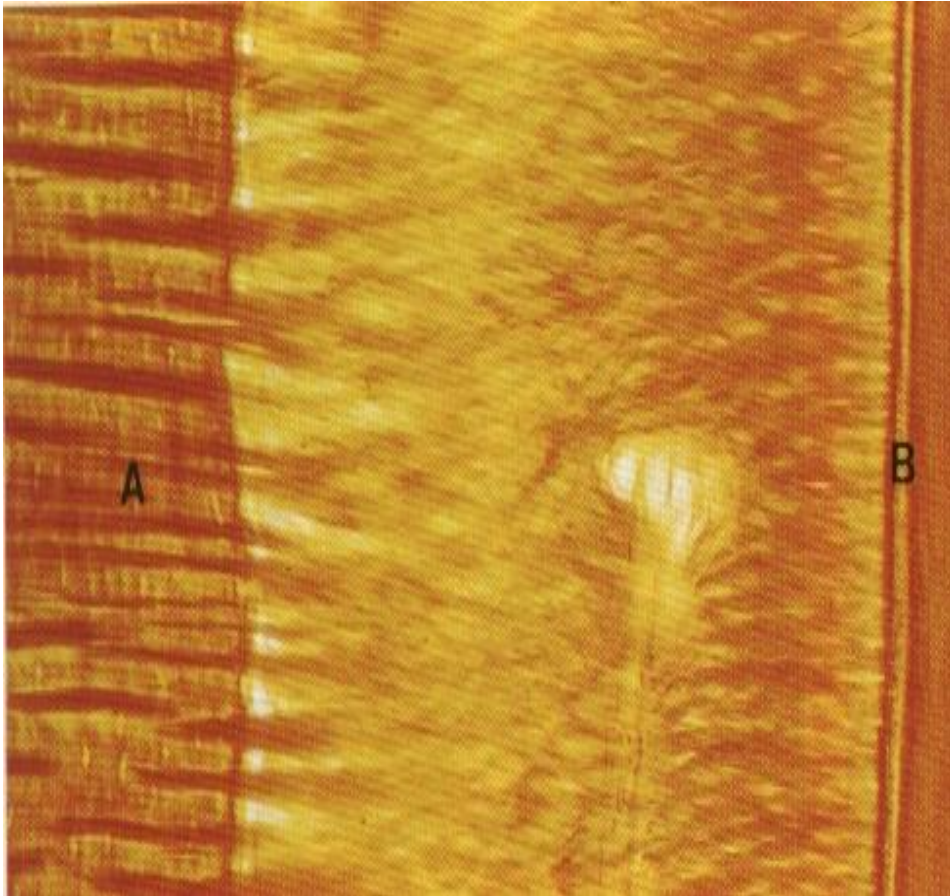




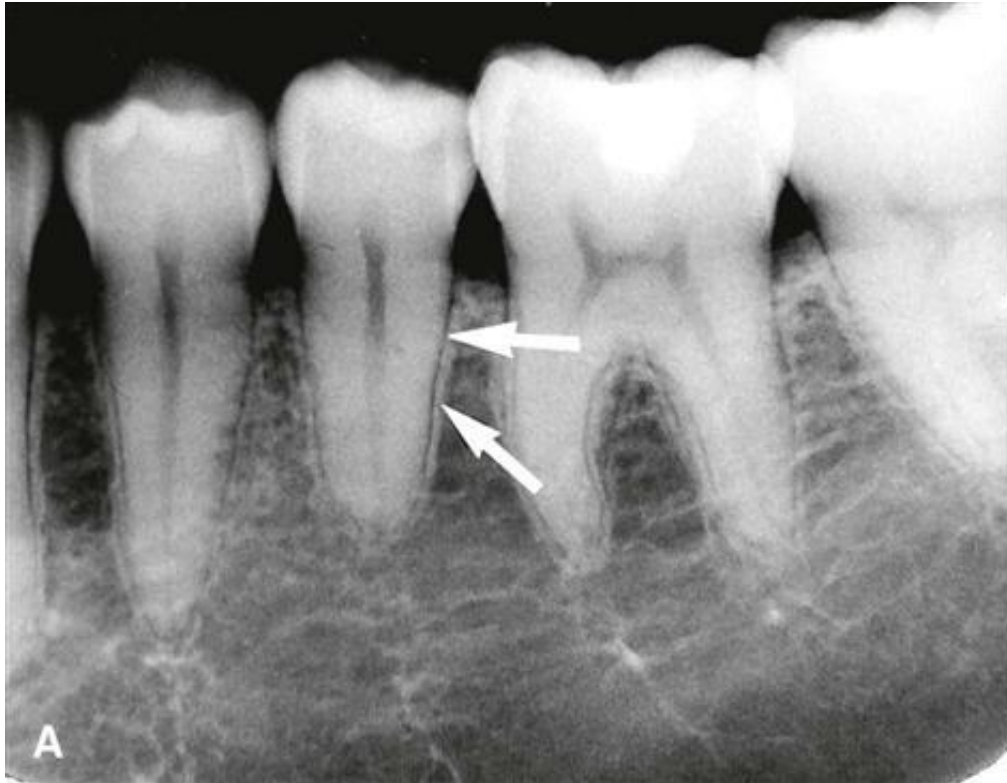
Bundle Bone

lamellar bone

Sharpey's Fibers

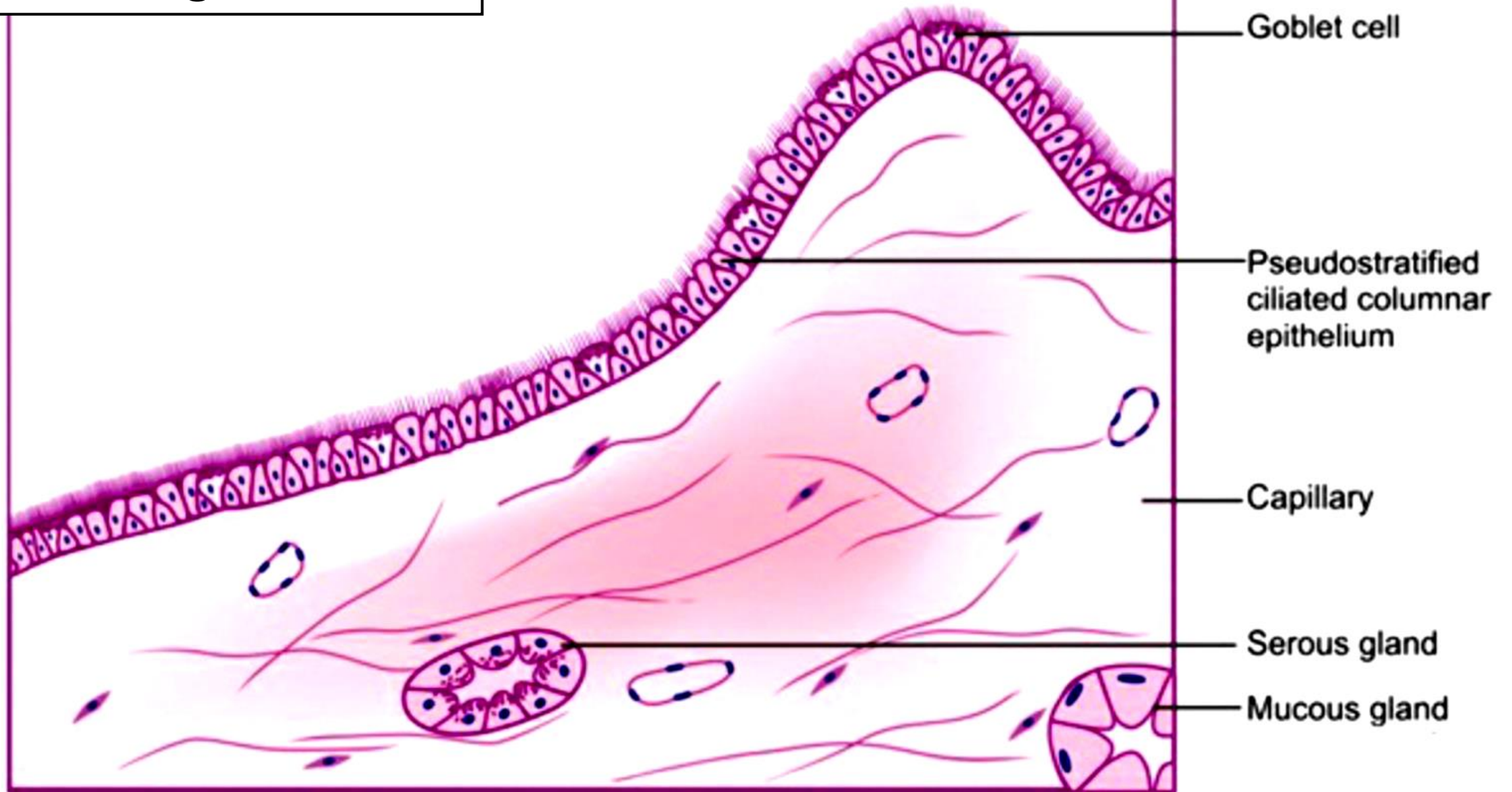


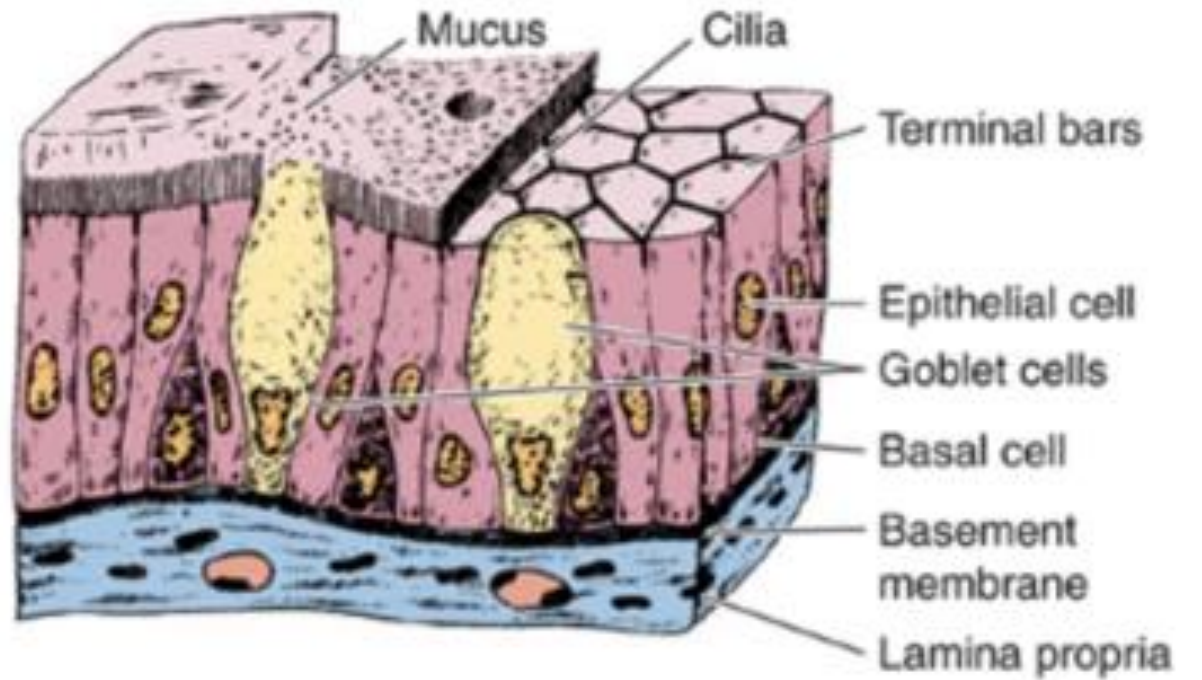
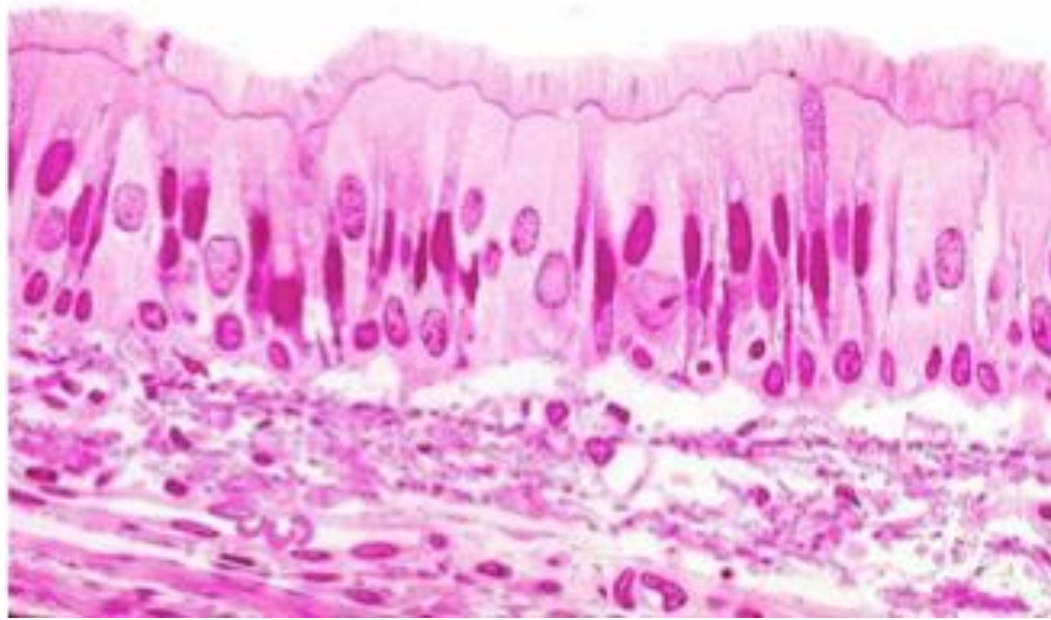
Lamina dura



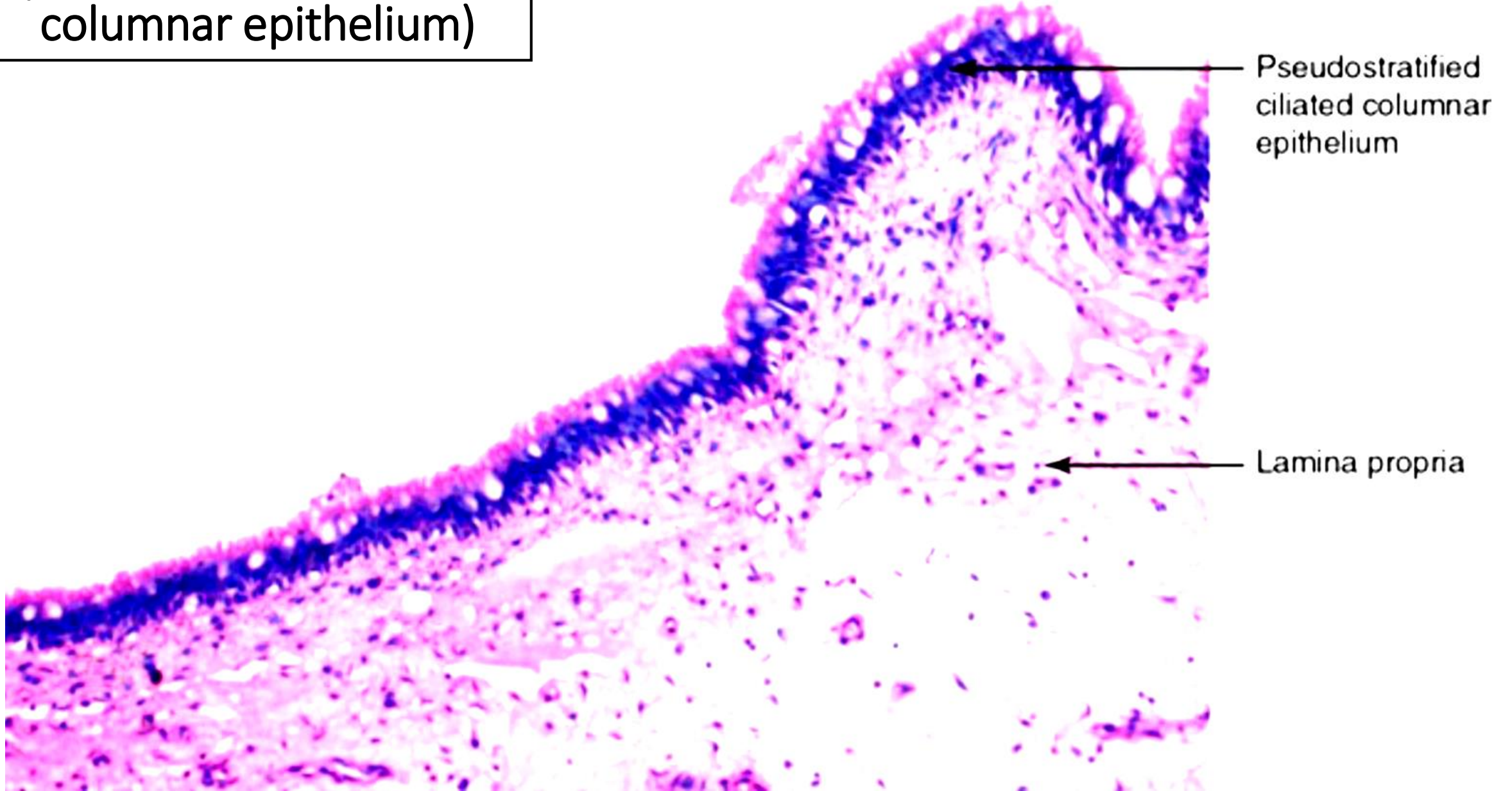
Maxillary sinus histology

Maxillary Sinus Mucosa Diagram

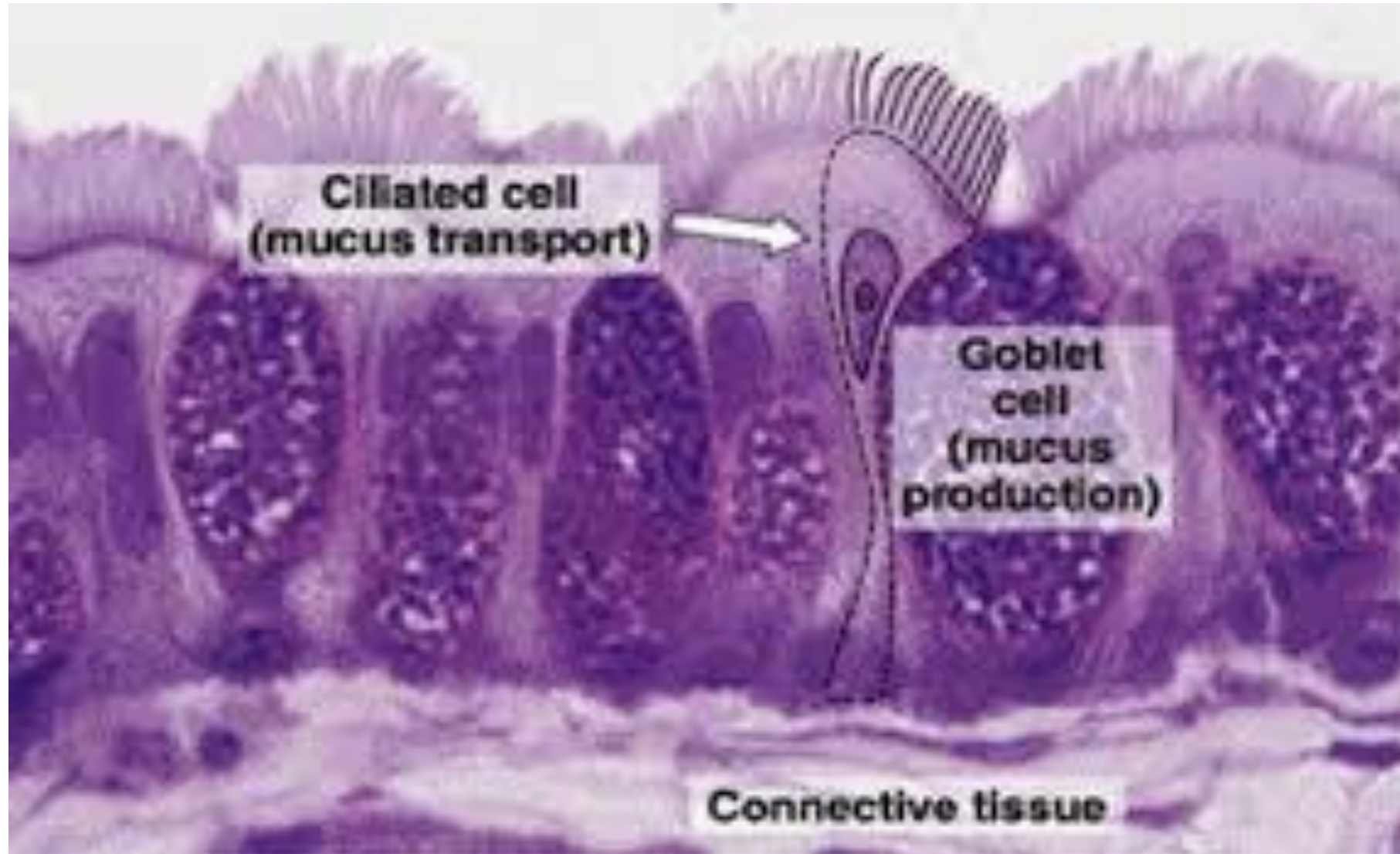




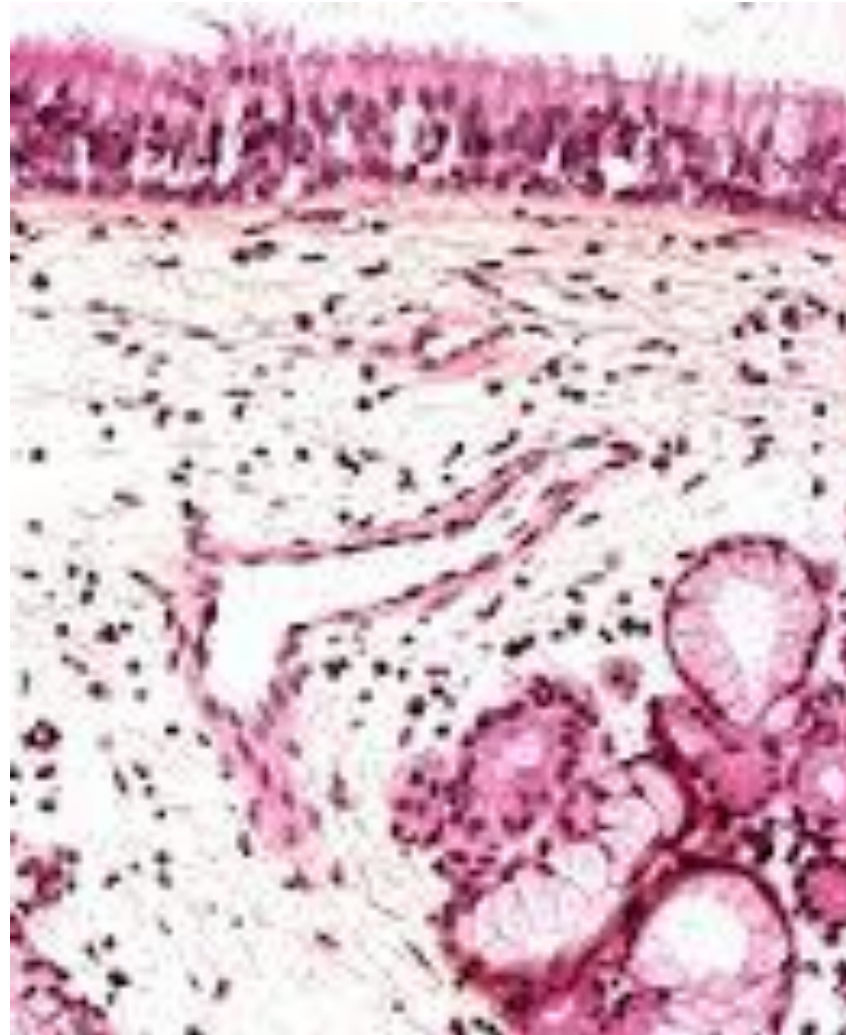
Maxillary Sinus Mucosa
(pseudostratified ciliated
columnar epithelium)



Pseudostratified ciliated columnar epithelium with Goblet cells



Maxillary Sinus Mucosa (pseudostratified ciliated columnar epithelium)



Maxillary Sinus Mucosa (pseudostratified ciliated columnar epithelium)

