

Shedding(exfoliation)of Teeth

Means loss or exfoliation of primary teeth,it is Gradual removal of roots and alveolar bone

Many events occur during shedding includes

- 1. bone remodeling by osteoclast cells**
- 2. Cementum and dentine resorption by Odontoclast (cementoclast; dentinoclast)**
- 3. Resorption of soft tissues**
- 4. Pressure from successional (permenant) teeth**

Shedding needs for presences of

1.Osteoclasts are bone resorbing cells derived form monocyte-macrophage lineage,Giant multinuclear cells with 4-20 nuclei .

Osteoclasts resorb hard tissue by separating mineral from the collagen matrix through the action of hydrolytic enzymes (**Acid phosphatase**).

. Resorption occurs at the ruffled border which greatly increases the surface area of the osteoclast in contact with bone .

2. odontoclasts (Large multinucleated cell ,Cytoplasm shows vacuole,Den mitochondria,Brush border surface, rich in Acid phosphatase).

3. pressure



Shedding

Primary teeth that is not exfoliated or shed either it is , Submerged primary teeth,ankylosed teeth , or congenital missing of permanents teeth