

Classification

Inflammatory

Developmental

- 1. Periapical (Radicular) Cyst
- 2. Residula cyst
- 3. collateral

- 1. Lateral Periodontal Cyst
- 2. Gingival Cyst
- 3. Dentigerous Cyst
- 4. Glandular Odontogenic Cyst
- 5. Odontogenic Keratocyst
- 6. Calcifying Odontogenic Cyst

Туре	Source	Origin of Rests	Cyst Examples
Odontogenic rests	Rests of Malassez	Epithelial root sheath	Periapical (radicular) cyst
	Reduced enamel epithelium	Enamel organ	Dentigerous cyst
	Rests of dental lam- ina (rests of Serres)	Epithelial connection between mucosa and enamel organ	Odontogenic keratocyst (KCOT) Lateral periodontal cyst Gingival cyst of adult Gingival cyst of newborn Glandular odonto- genic cyst
Nonodonto- genic rests	Remnants of nasopal- atine duct	Paired nasopala- tine ducts (vestigial)	Nasopalatine duct cyst

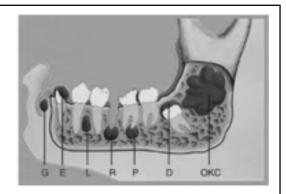
Soft Tissue Cysts of the Neck

- Branchial Cyst/Cervical Lymphoepithelial Cyst
- 2. Dermoid Cyst
- 3. Thyroglossal Tract Cyst



Odontogenic cysts

- Asymptomatic
- Egg shell cracking









Bony expansion

Cortical thinning

Cytokeratins During odontogenesis:

CK7 & CK14: stellatum reticulum at

the early bell stages

CKCK7 & CK14 & 19: cells of the

enamel epithelium;

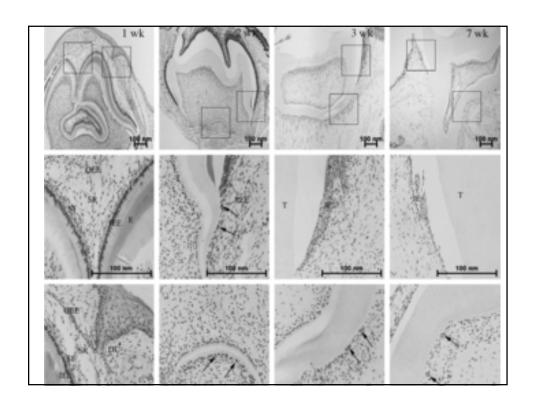
CK14: early bell stage and replaced by

CK19 in differentiated ameloblasts;

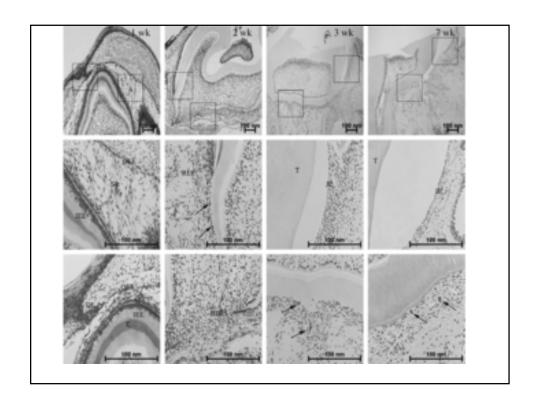
CKs 7 &13: in the "rests of Serres"

	Stellate reticulum	Enamel organ	Ameloblast	Rest of Serres
СК7	+	+		+
CK14	+	+		
СК19		+	+	
CK 13				+

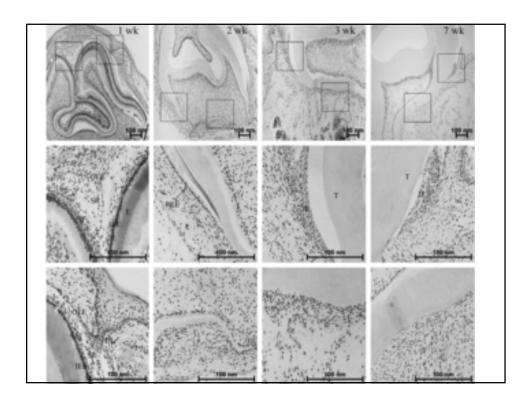
CK19



CK17



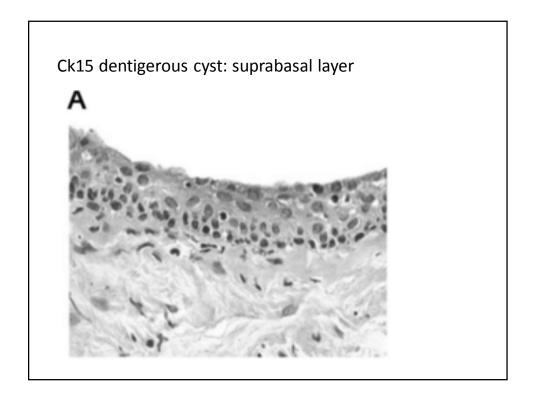
CK13

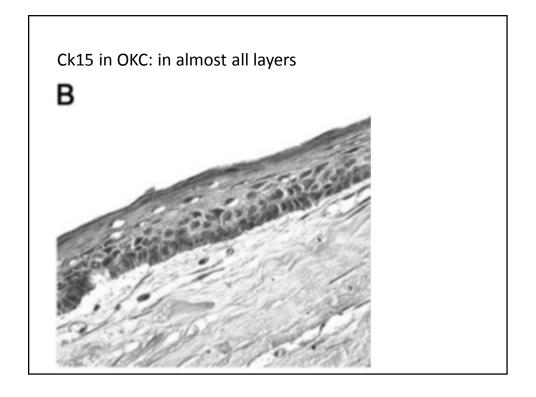


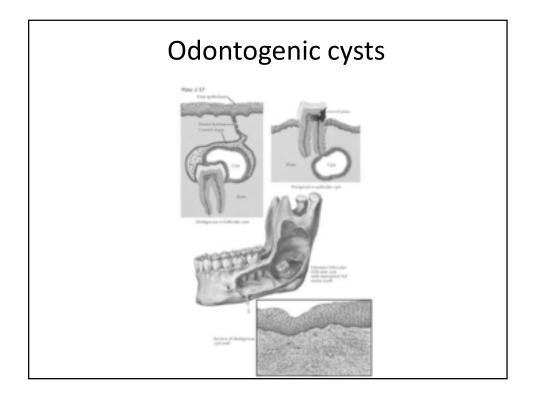
CKs 5 &6: all layers of the odontogenic cysts,

CK13: supra-basal cell layer of all odontogenic cysts,

CK20: negative in all odontogenic cysts

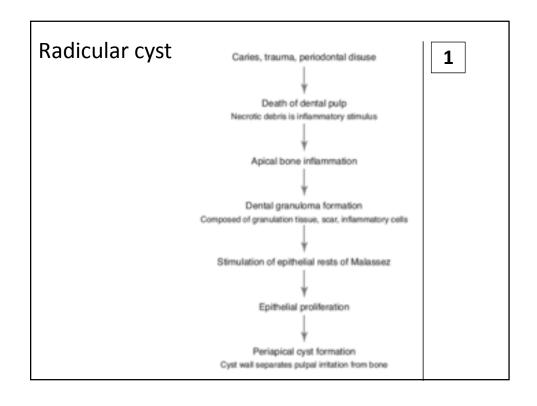


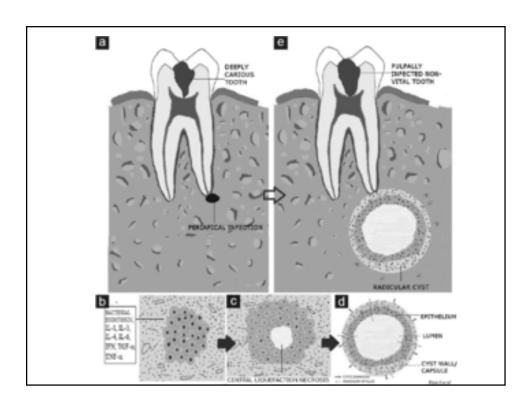


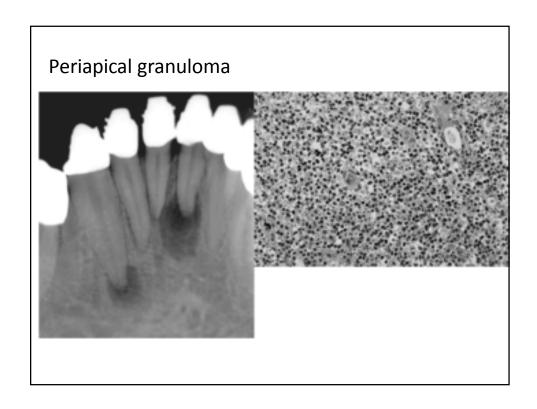


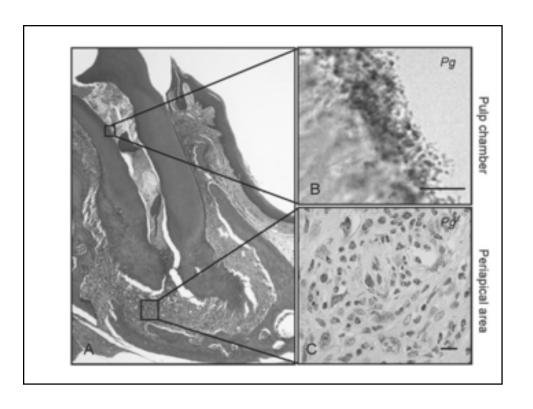
Odontogenic cysts

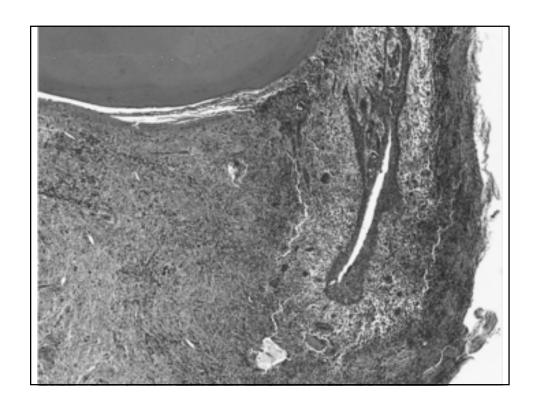
Inflammatory origin

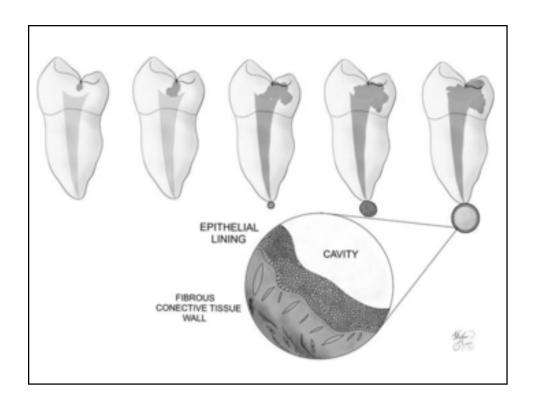


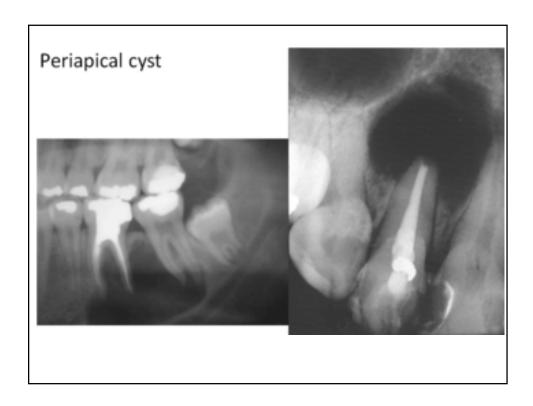


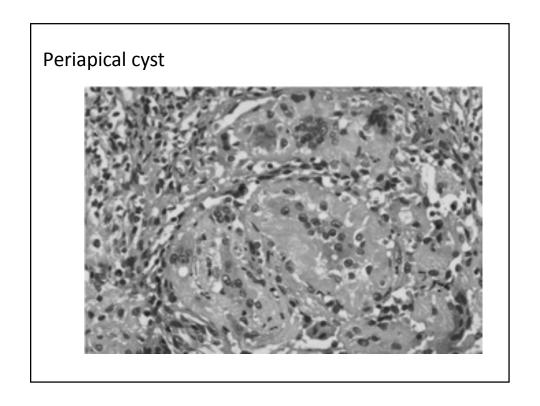


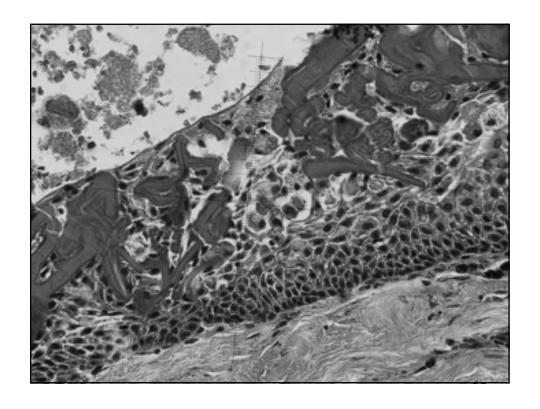


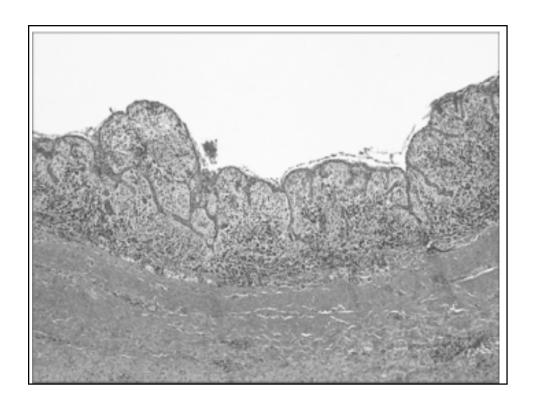




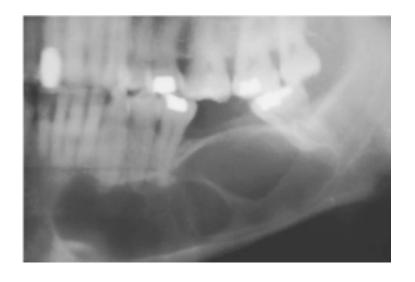


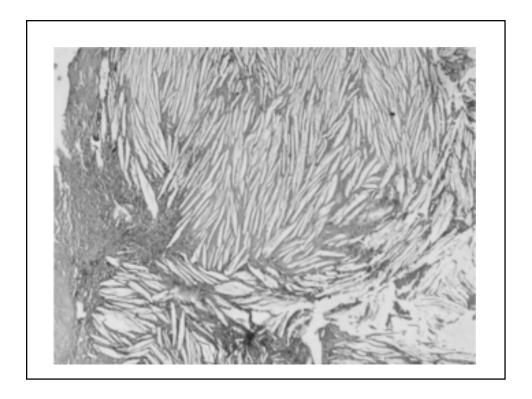


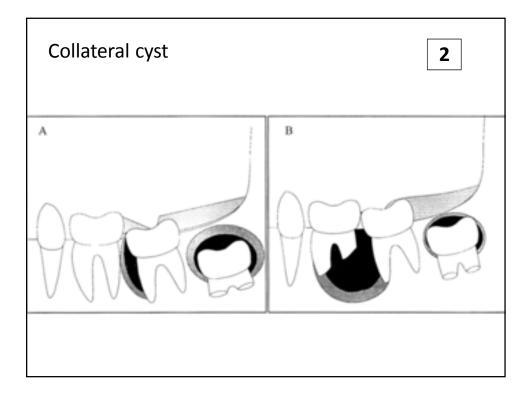




Residual cyst



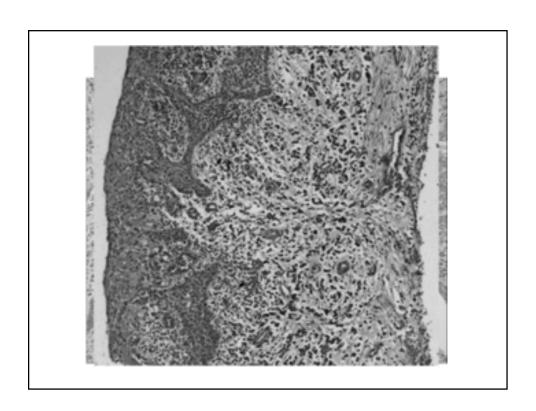


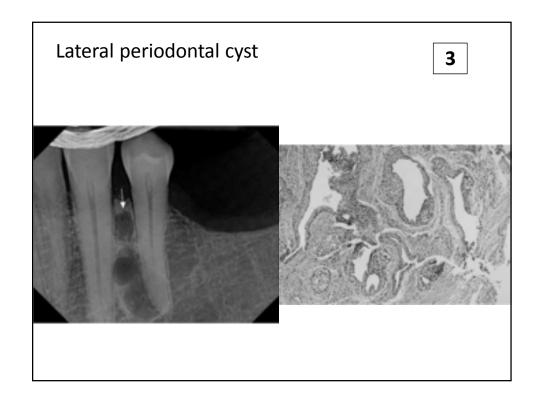


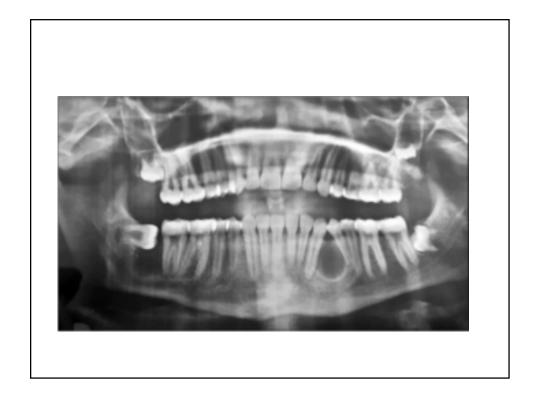
The pathogenic mechanism of this lesion is not specified

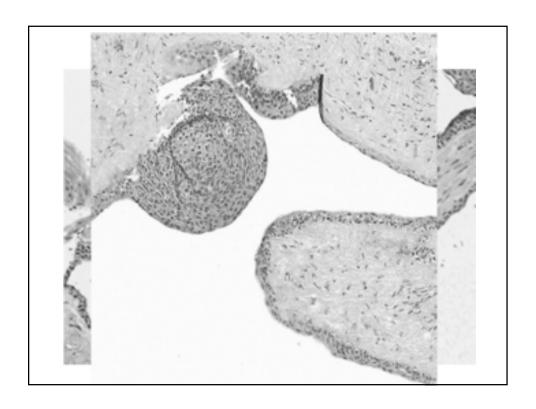
Origin: the remnants of the enamel organ or the epithelial junction.

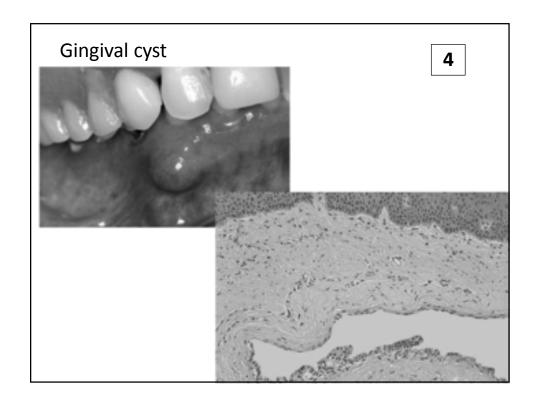


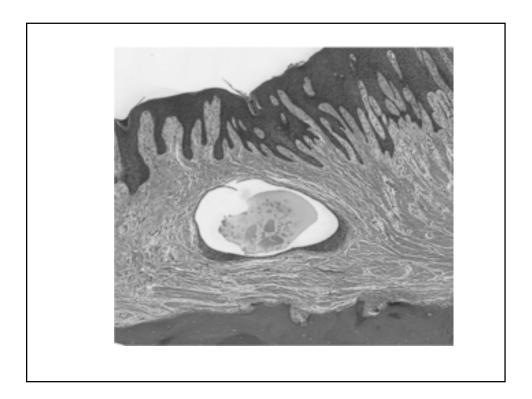


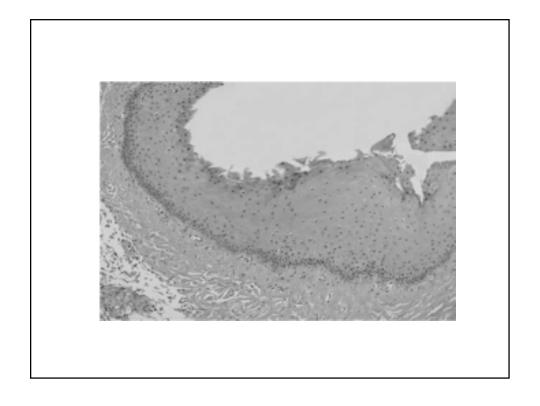












Gingival cyst in new born



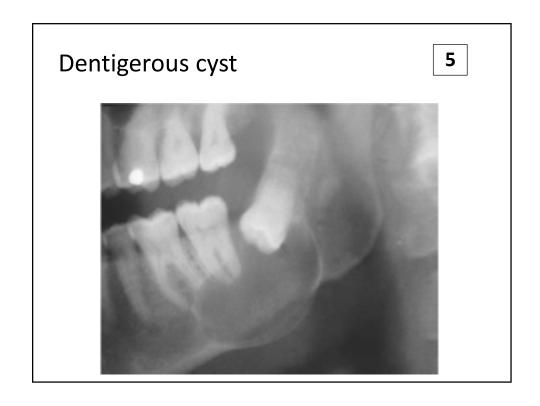
Bohn's nodules

Gingival cyst in new born

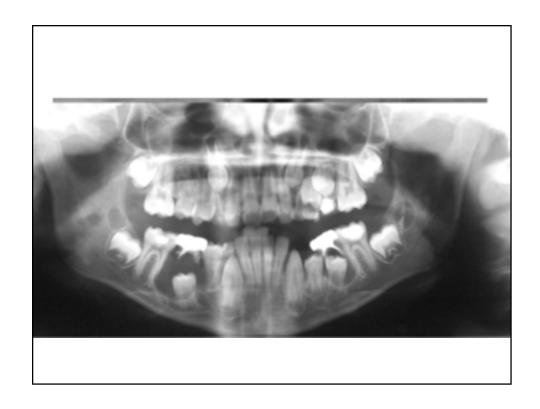
Epstein's pearls in preterm neonate.

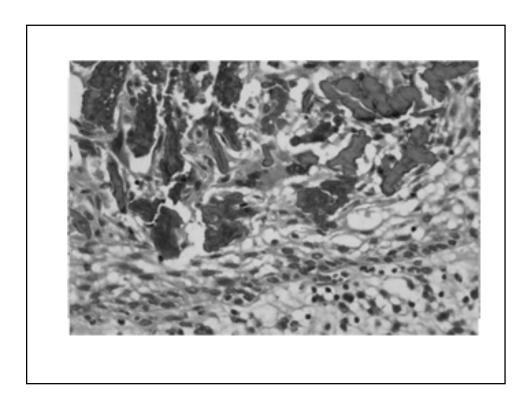


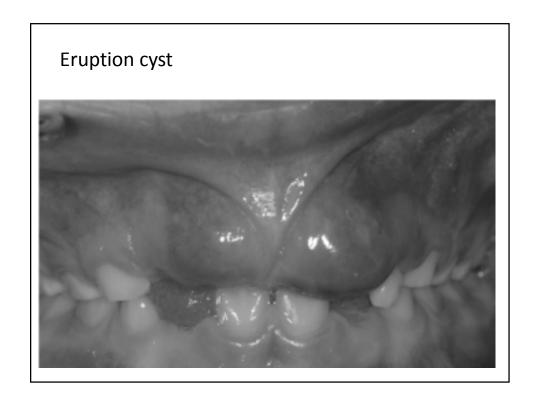


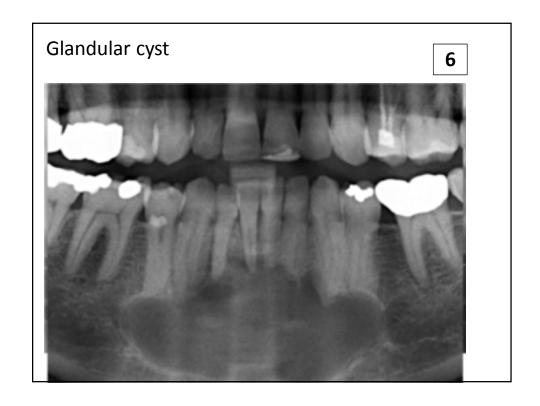


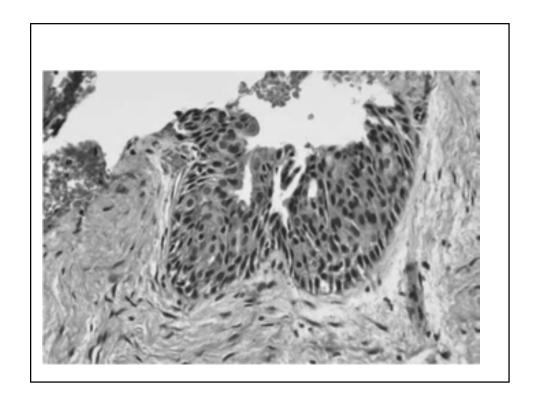


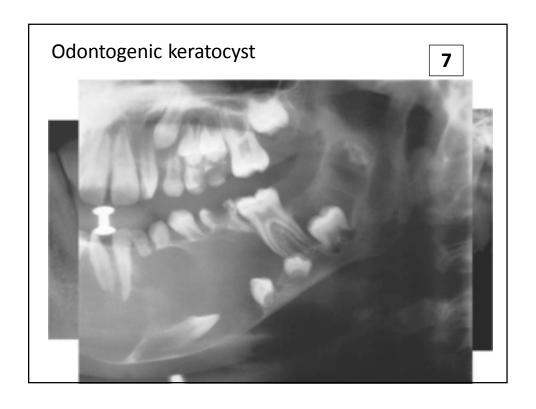


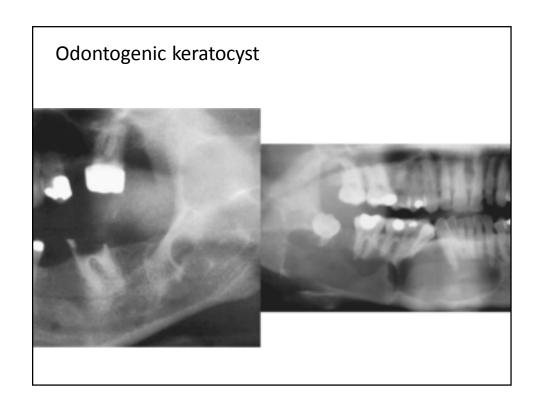


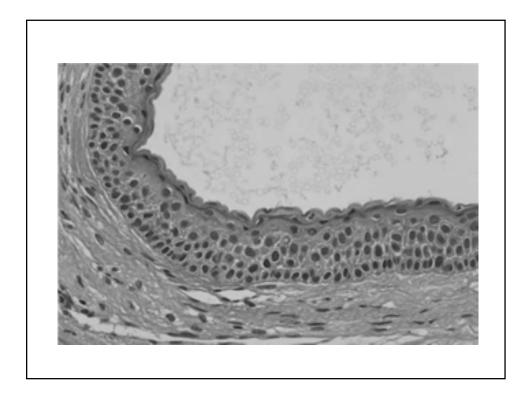


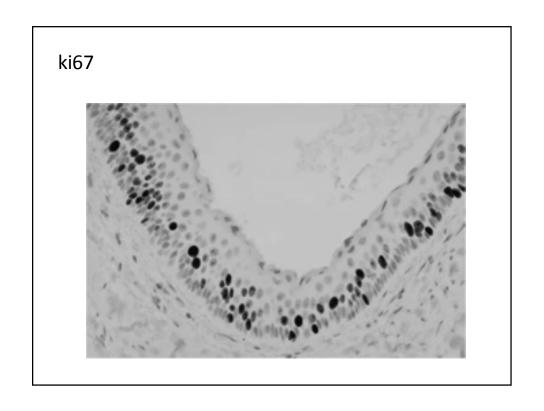


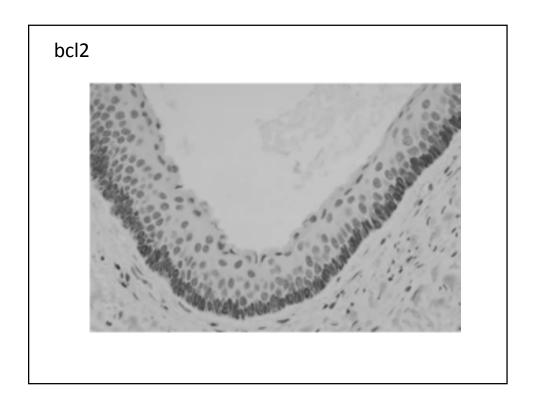


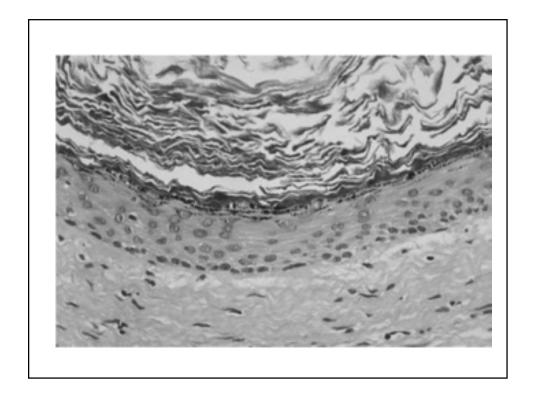


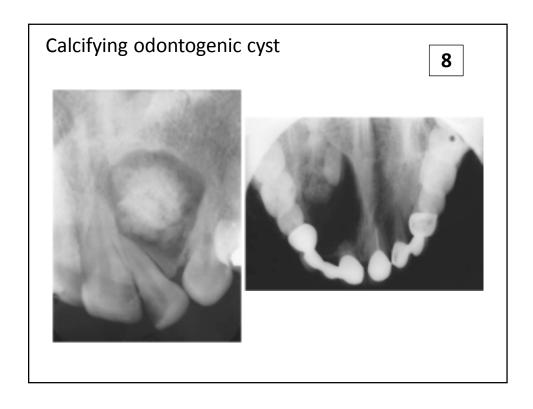


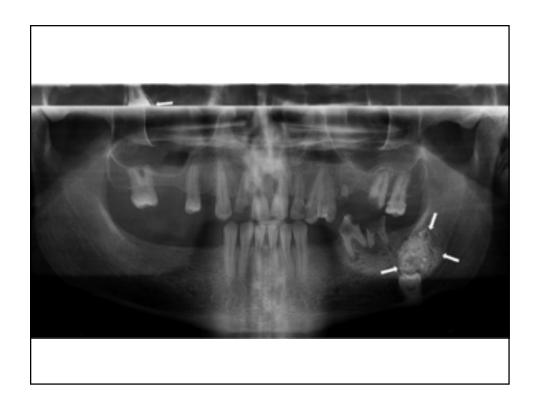


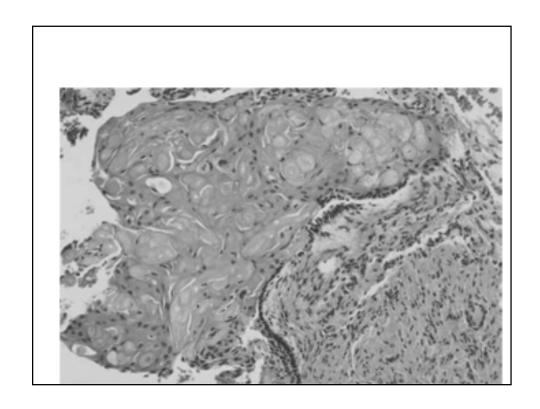


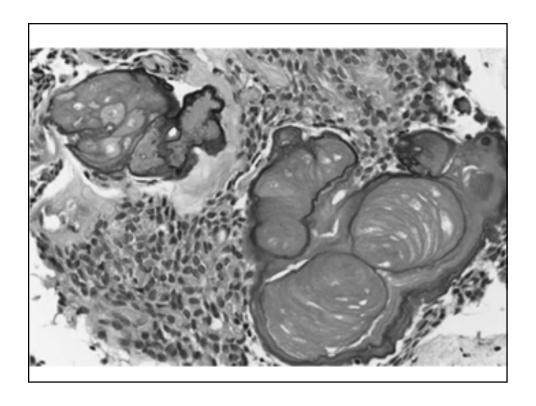


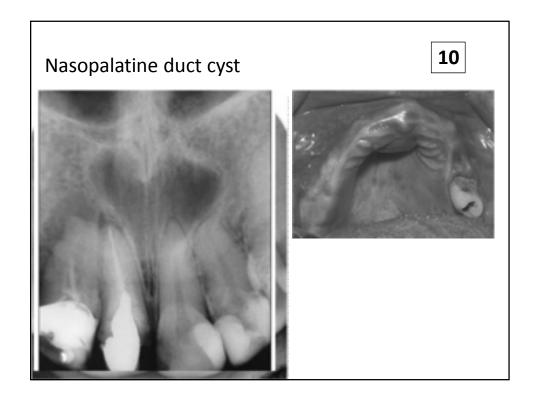


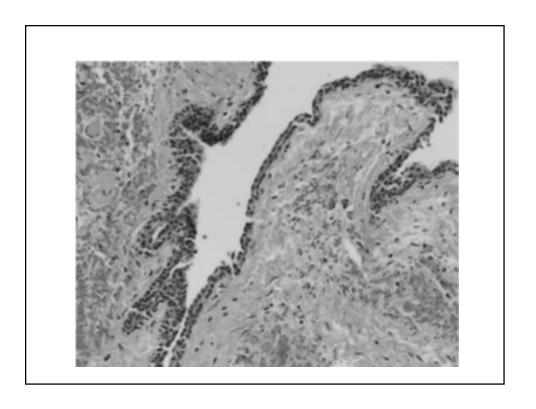


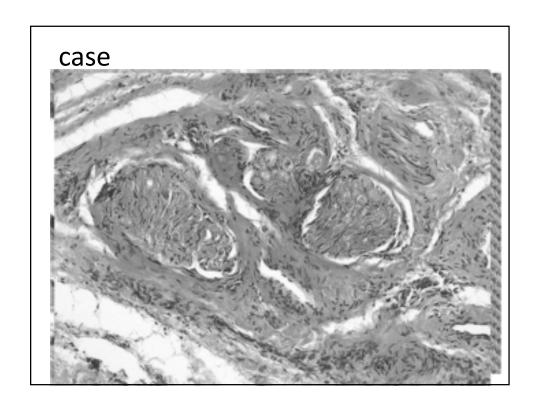


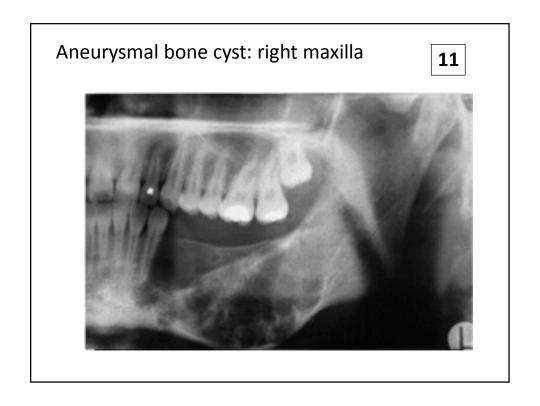




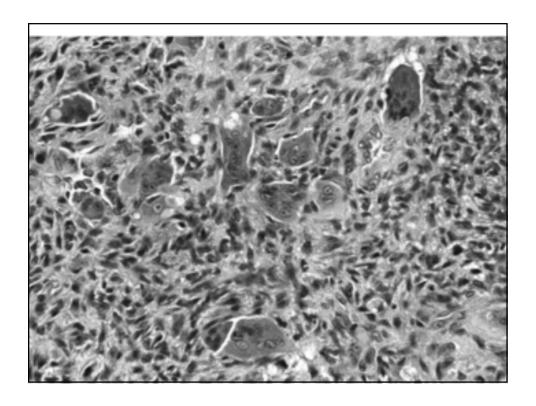


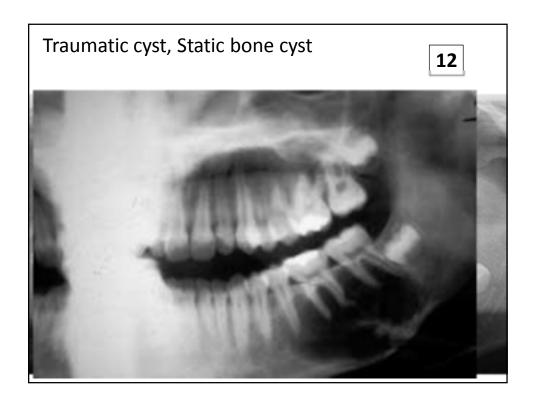


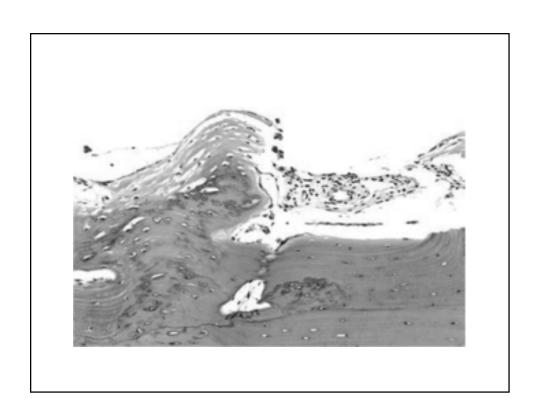


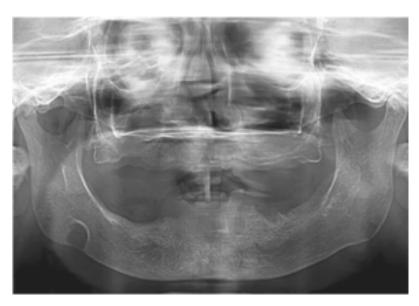




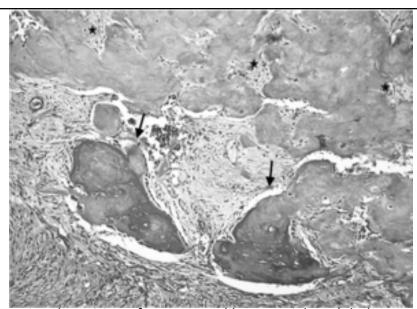




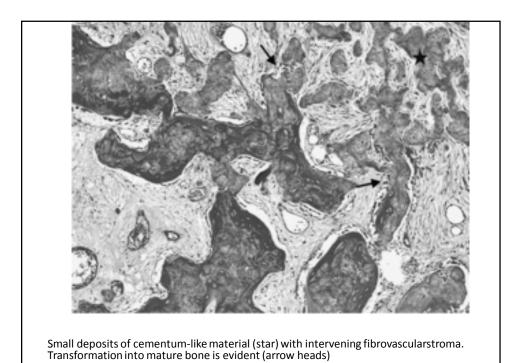


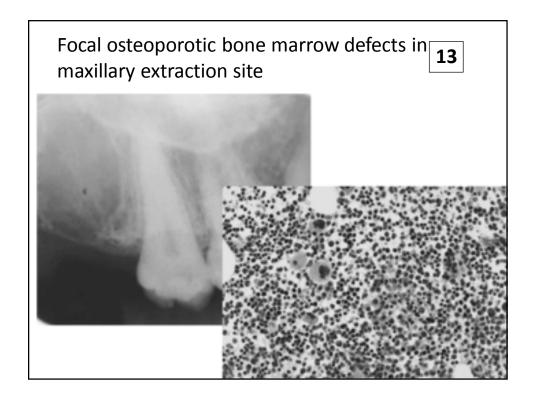


a solitary bone cyst in the mandible of an edentulous patient



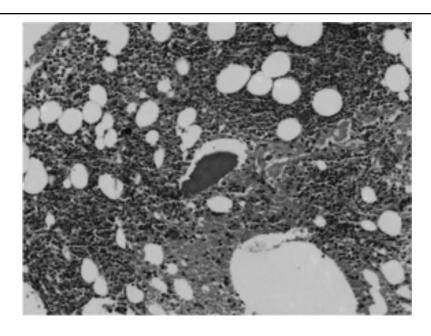
Extensive deposition of cementum-like material as globular masses (upper half) with intervening fibrovascularstroma (stars) transforming into mature bone (arrow heads)



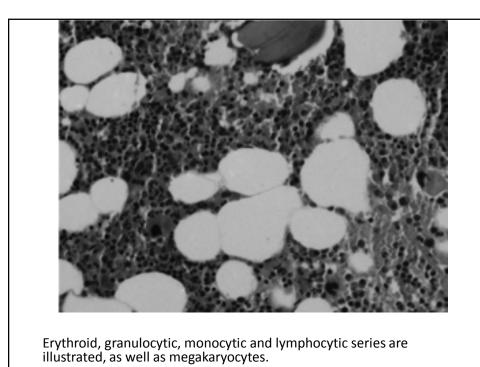




ill-defined radiolucent areas located bilaterally in the molar edentulous regions (white arrows).



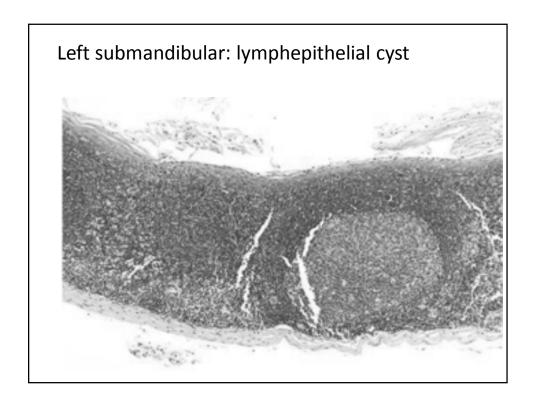
Normal hematopoietic cells, fat cells and bone trabeculae.

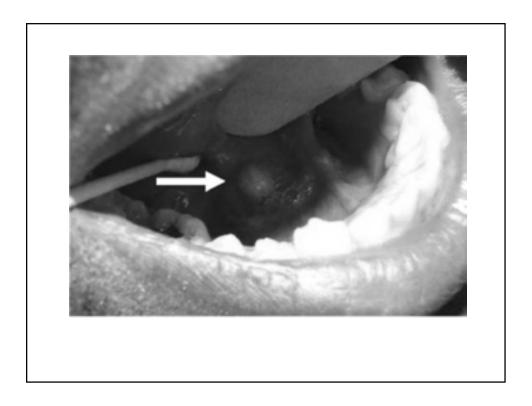


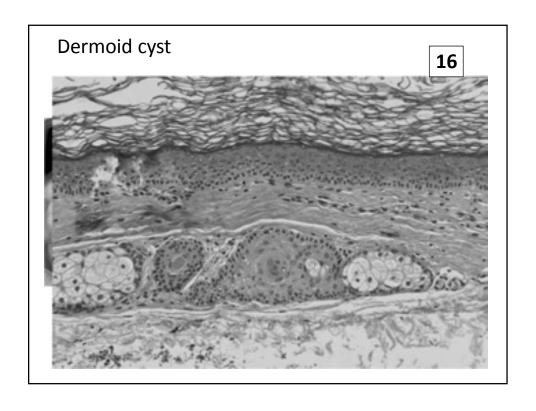
Lymphoepithelial cyst

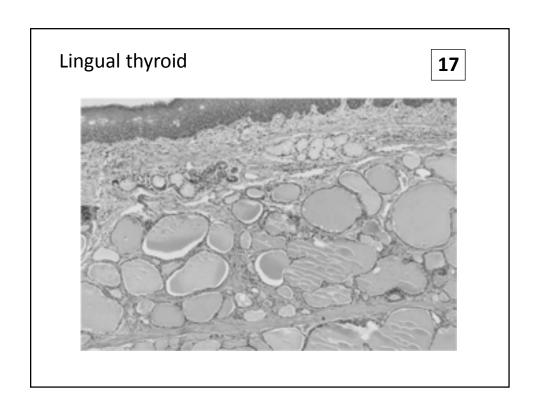
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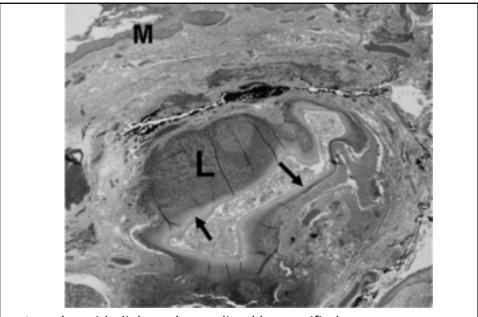




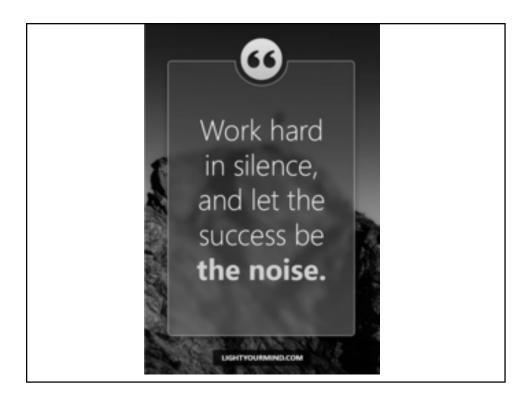








Lymphoepithelial cyst lumen lined by stratified squamous epithelium (arrows). Cyst wall contains lymphoid nodules



Thank you...

