ORAL INFLAMMATORY LESIONS.

o Aphthous Ulcers (Canker Sores)

These common superficial mucosal ulcerations affect up to 40% of the population. It may be associated disease (IBD), in a lauratory bowel and Behçet disease. Lesions can be solitary or multiple;

Disease. typically, they are shallow hyperemic ulcerations covered by a thin exudate and rimmed by a narrow zone of erythema]. In most cases they resolve spontaneously in 7 to 10 days but can recur.

o Herpes Simplex Virus Infections.

* If the Patient has Multiple Aphthous Ulcers - we should think about another Causes

Such as ; Bowel Disease - BehGet Disease * (ulcer of the Mouth) *

* If the blister is large = (Pemphigus)

* unusual Circumstances that help in Causes of 28/03/2021

Thrush -> immuno Compromised Patient [due to chemo therapy,

Organ transplants AIDs Patient] * Candida albicans will

1 ORAL CANDIDIASIS (THRUSH).

o Candidiasis is the most common fungal infection of the oral cavity.

o Candida albicans is a normal component of the oral flora and only produces disease under unusual circumstances.

The three major clinical forms of oral candidiasis are pseudomembranous, ervthematous, and hyperplastic. The pseudomembranous form is most common and is known as thrush.

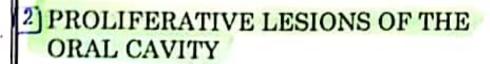
This condition is characterized by a superficial, curdlike, gray to white inflammatory membrane composed of matted organisms enmeshed in a fibrinosuppurative exudate.

 In mildly immunosuppressed or debilitated individuals, such as diabetics, the infection usually remains superficial,

but can spread to deep sites in association with more severe immunosuppression, including that seen in organ or hematopoietic stem cell transplant recipients, as well as patients with neutropenia, chemotherapy-induced immunosuppression, or AIDS.

Progress to infection*

واديمة G مستم المور للبشونها

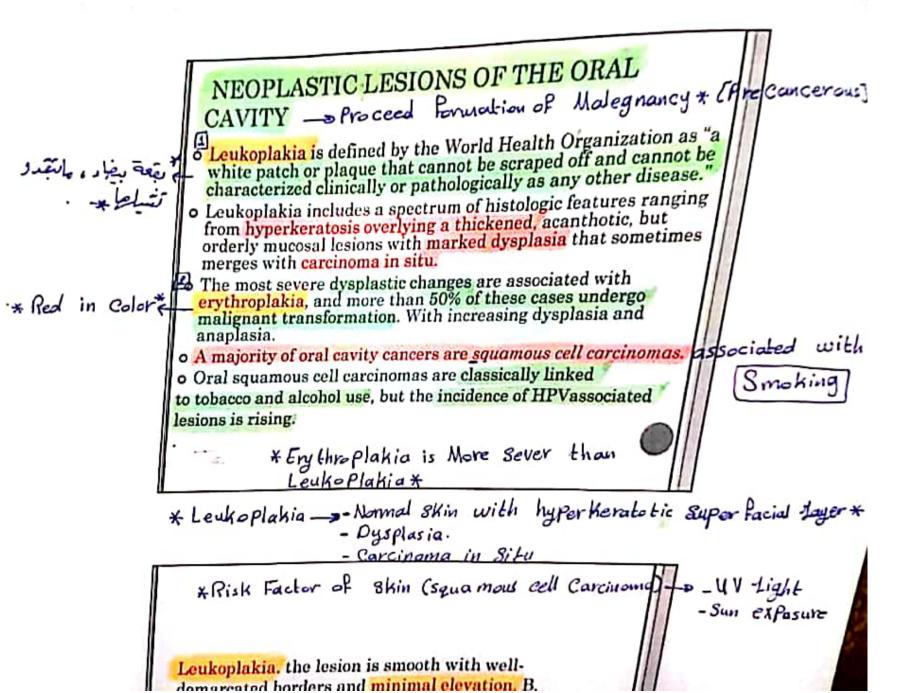


or Allon.

- o Pyogenic granulomas are pedunculated masses usually found on the gingiva of children, young adults, and pregnant women.
- O These lesions are richly vascular and typically are ulcerated, which gives them a red to purple color.

 However, histologic examination demonstrates a dense proliferation of immature vessels similar to that seen in granulation tissue.
- Pyogenic granulomas can regress, mature into dense fibrous masses, or develop into a peripheral ossifying fibroma.
- Complete surgical excision is definitive treatment

* Pylogenic granulomas -> granulation Lissue Formation
-> Peduneulated Mass 7

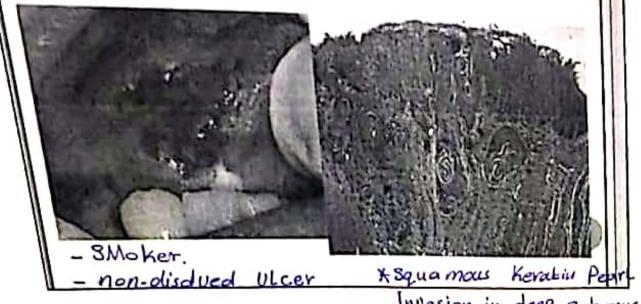


الممسوحة ضوئيا بـ CamScanner

Leuko Plakia * * Leukoplakia ->- Normal skin with hyperkeratotic Superfacial Jayer - Dysplasia. - Carcinoma in Situ *Risk Factor of 8kin (squa mous cell Carcinoma) - - UV Light - Sun expasur Leukoplakia. the lesion is smooth with welldemarcated borders and minimal elevation. B, Histologic appearance of leukoplakia showing dysplasia, characterized by nuclear and cellular pleomorphism and loss of normal maturation. Variation in cells, bucket * Dysplasia. · * 8 lightly elevated [Loss of Normal Configuration].

* Most common type of Malegnancy in and Mucosa is

Clinical appearance demonstrating ulceration and induration of the oral mucosa. Histologic appearance demonstrating numerous nests and islands of malignant keratinocytes invading the underlying connective tissue stroma.



Invasion in deep sub mucosal tayer *

- SMoker.

- non-disdued Ulcer

1 nous in deep sub mucosal layer

Salivary gland (Canot Produce Saliva.

* DISEASES OF SALIVARY GLANDS.

1- Xerostomia: is defined as a dry mouth resulting from a decrease in the production of saliva. It is caused by:

It is a major feature of the autoimmune disorder Sjögren syndrome, in which it usually is accompanied by dry eyes. Radiation therapy.

Medications. Complications of xerostomia include increased rates of [1] dental caries and candidiasis, as well as difficulty in swallowing and speaking.

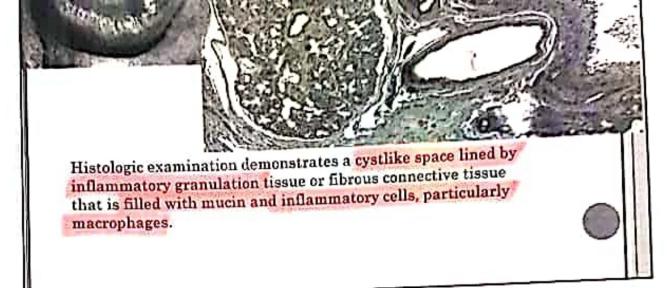
2- Sialadenitis, or inflammation of the salivary glands, may be induced by trauma, viral or bacterial infection, or autoimmune disease.

The most common form of viral sialadenitis is mumps which may produce enlargement of all salivary glands but predominantly involves the parotide. While mumps in children is most often a selflimited benign condition, in adults it can cause pancreatitis or orchitis; the latter sometimes causes sterility.

3- Duct obstruction by stones (sialolithiasis) is a common antecedent to infection.

4-The mucocele is the most common inflammatory lesion of the salivary glands, and results from either blockage or rupture of a salivary gland duct.

Mucocele typically manifests as a fluctuant swelling of the lower lip.



[Sub Lingual + Submandibulay | الأصفر على الماليوسيا على الماليوسيا الماليوسيا الماليوسيا الماليوسيا الماليوسيال الماليوسيالي

SALIVARY GLAND TUMORS

- Salivary gland tumors are relatively uncommon and represent less than 2% of all human tumors.
- Approximately 65% to 80% arise within the parotid, 10% in the submandibular gland. Approximately 15% to 30% of tumors in the parotid glands are malignant. 70% to 90% of
- Salivary gland tumor is malignant: Salivary gland tumor is malignant is inversely proportional roughly, to the size of the gland. Malignancy معن ما زاد الحميم تقبل الويامية
 - o Salivary gland tumors usually occur in adults, with a slight female predominance.

Table 14-1 Hintopathologic Classification and Prevalence of the Host Common Benign and Malignant Salwary Gland Tumors

in Su turner him mes Balivary gland in St Parotid 11 * [Sub Lingual + Submandibuly]e is is glande It de is Si Malignancy H amis RSALIVARY GLAND TUMORS Salivary gland tumors are relatively uncommon and represent less than 2% of all human tumors. Approximately 65% to 80% arise within the parotid, 10% in the submandibular gland. Approximately 15% to 30% of tumors in the parotid glands are malignant. 70% to 90% of Salivary gland tumor is malignant Salivary gland tumor is malignant is inversely proportional roughly, to the size of the gland. Maliguance الحجم متقل العام المعام ا Salivary gland tumors usually occur in adults, with a slight female predominance. Table 14-1 Histopathologic Classification and Prevalence of the Most Common Benign and Malignaht Salwary Gland Tumors * Most common Malignant Pleomorphic adenoma (50%) Mucoepidermoid carcinoma (15%) type in Benign: Warthen tumor (5%) Aemic cell carcinoma (6%) Adenocarcinoma NOS (6%) Oncocytomia (2%) Adenoid cystic carcinoma (4%) Pleomorphic aderoma Critadenoma (2%) Maligrant moved tumor (3%) Basal cell adenoma (3%) NOS and comments specified Date from the Cit. Action Mr. Creege Off, Suppose Particles of the Vol 25 Physic Processors in Particles Philadelphia Vol Saurdora. 1991 * Most common * Most of the Salivary gland tumors are arising Malignant: in the Parotid up to 80% , but usually it is not Malignant + Mucoepidermoid Carcinoma * Malegnancy of Salivary gland turnors associated with the Size-> the Larger the gland the Less the Malegnancy*

that is filled with much and illiaminatory

macrophages.

PLEOMORPHIC ADENOMA

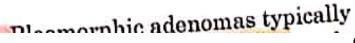
* associated with Redurrence *

- Pleomorphic adenomas present as painless, slowgrowing, mobile discrete masses.
- They represent about 60% of tumors in the parotid.
- Pleomorphic adenomas recur if incompletely excised:

Recurrence rates approach 25% after simple enucleation of the tumor, but are only 4% after wider resection.

 Carcinoma arising in a pleomorphic adenoma is referred to variously as a carcinoma ex pleomorphic adenoma or malignant mixed tumor.

Loit contains: Epithelial and Myoepithelial and Chondromaxoid Matrix.



adenoma or malignant mixed tumor.

bit contains: Epithelial

and Myocpithelial and

Chandramazoid Matrix.

Macroscopically: Pleomorphic adenomas typically manifest as rounded, welldemarcated masses rarely exceeding 6 cm in the greatest dimension. The cut surface is gray-white and typically contains myxoid and blue translucent chondroid (cartilage-like) areas.

Mixed tumor.

Microscopically: The most striking histologic feature is their characteristic heterogeneity. Epithelial elements resembling ductal or myoepithelial cells are arranged in ducts, acini, irregular tubules, strands, or even sheets. These typically are dispersed within a mesenchyme-like background of loose myxoid tissue containing islands of chondroid and, rarely, foci of bone.. In other instances there may be strands or sheets of myoepithelial cells..

o Low-power view showing awell-demarcated tumor with adjacent normal salivary gland parenchyma. B, Highpower view showing epithelial cells as well as myoepithelial cells within chondroid matrix material.



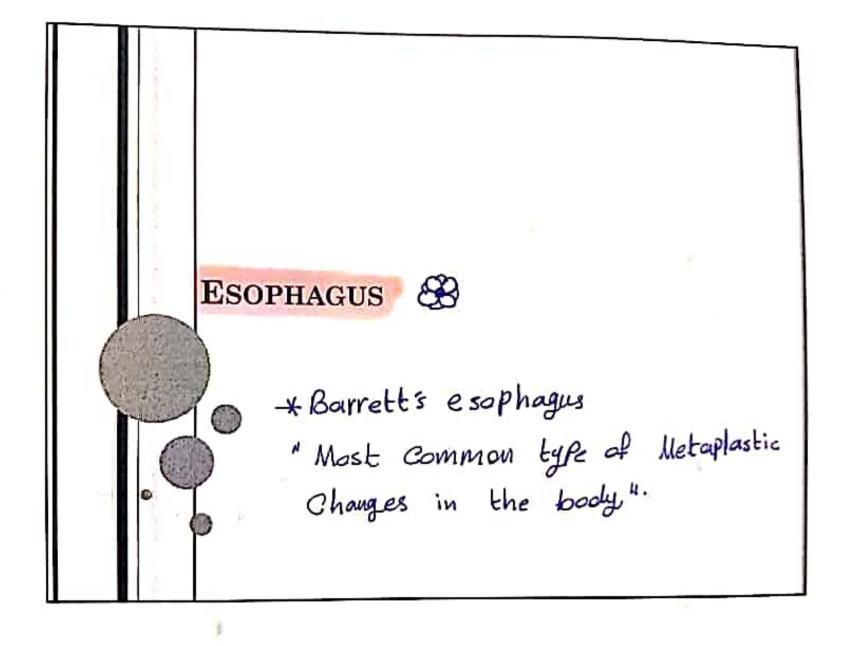


* MUCOEPIDERMOID CARCINOMA

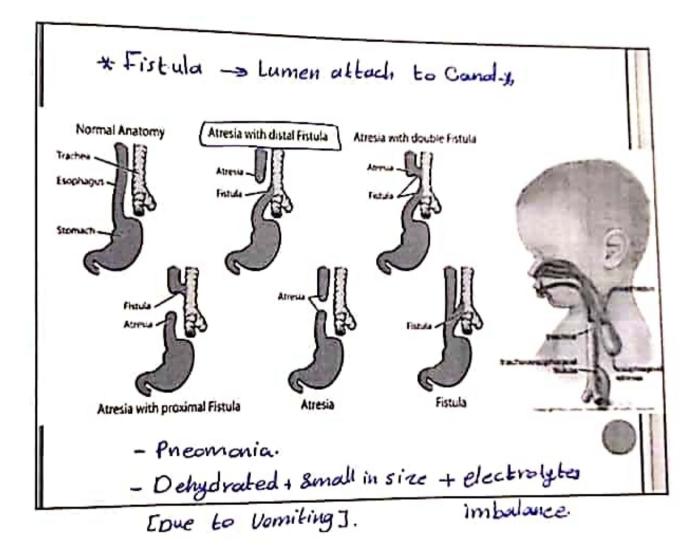
Most Common type

- These neoplasms represent about 15% of all salivary gland tumors, and while they occur mainly (60% to 70%) in the parotide
- o Mucoepidermoid carcinoma is the most common form of primary malignant tumor of the salivary glands.
- Macroscopically: they lack well-defined capsules and often are infiltrative. The cut surface is pale gray to white and frequently demionstrates small, mucinous cysts.
- On histologic examination, these tumors contain cords, sheets, or cysts lined by squamous, mucous, or intermediate cells. The latter is a hybrid cell type with both squamous features and mucus-filled vacuoles, which are most easily detected with much stains.

- o The jaws are a common site of epithelium-lined cysts derived from odontogenic remnants.
- o The odontogenic keratocyst is locally aggressive, with a high recurrence rate. (Benign Lesion).
- o The periapical cyst is a reactive, inflammatory lesion associated with caries or dental trauma.
- o The most common odontogenic tumors are ameloblastoma and odontoma.



OBSTRUCTIVE DISEASES o Mechanical Obstruction: 1-Stenosis most often is due to inflammation and scarring, which may be caused by chronic gastroesophageal reflux, irradiation, or caustic injury. * decrease of surface area of Lumen due to scarring Esophageal stenosis ☐ Acquired>>>Congenital. ☐ Fibrous thickening of the submucosa & atrophy of the muscularis propria. ☐ Due to inflammation and scarring ☐ Causes: Chronic GERD, Irradiation and Ingestion of caustic agents. Clinical presentation: Progressive dysphagia and difficulty eating solids that progresses to problems with liquids Storted 2- Absence, or agenesis, of the esophagus is extremely rare. 3- Atresia, in which a thin, noncanalized cord replaces a segment of esophagus. Clinical presentation: Shortly after birth: regurgitation during feeding Needs prompt surgical correction (rejoin). Complications if w/ fistula: Aspiration Suffocation Pneumonia Severe fluid and electrolyte imbalances. Due to repotitive Vomitive



FUNCTIONAL OBSTRUCTION:

FUNCTIONAL OBSTRUCTION:

- ☐ Efficient delivery of food and fluids to the stomach requires coordinated waves of peristaltic contractions.
- Spasm of the muscularis abnormal Perishalsis Contraction
- ☐ Achalasia: the most important cause.
- -Achalasia is characterized by the triad of incomplete LES relaxation, increased LES tone, and esophageal aperistalsis. —
- Caused by Degenerative changes in neural innervation.
- Can be primary or secondary.
- Clinical presentation: Difficulty in swallowing, Regurgitation and sometimes chest pain

Loss of Peristalsis.

* Achalasia — Secondary - associated with chagas 11

Disease (Affect Nerves whic Associated with Peristels is Movement].



* Esophegous is not associated with Stamach Due to abnormal Relaxation of Sphineturt

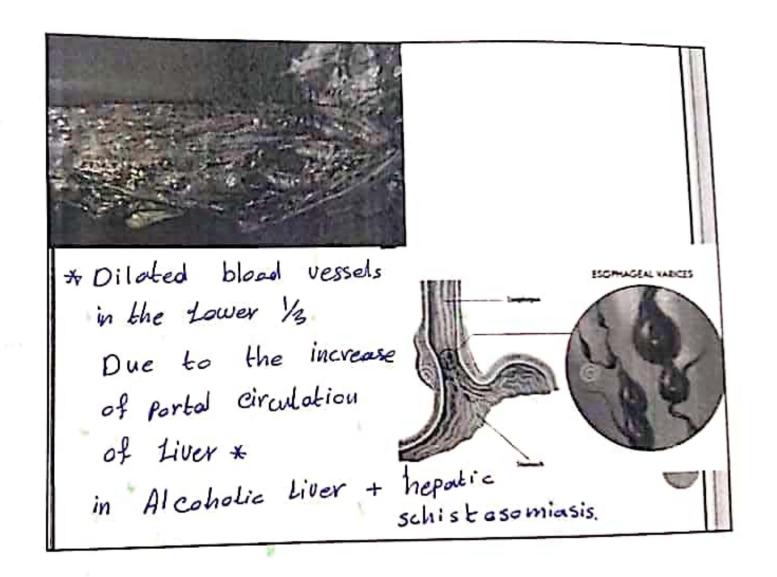
o Esophageal Varices Due to increase Portal circulation in Liver

- Portal hypertension induces development of collateral channel that enlarge the subepithelial and submucosal venous plexi within the distal esophagus.

- Develop in 90% of cirrhotic patients, most commonly in association with alcoholic liver disease) Worldwide, hepatic 2nd Most Common schistosomiasis is the second most common cause of type of Varices varices.

- · Varices often are asymptomatic, but their rupture can lead to massive hematemesis and death.
- Diagnosis by: endoscopy or angiography.

* All of the GI circulation go to fortal Circulation in liver - Deep circulation - inferior vina Cavai -*



LACERATIONS [26]

-The most common esophageal lacerations are Mallory- Weiss tears, which are often associated with severe retching or vomiting.

- By contrast, Boerhaave syndrome, characterized by transmural esophageal tears and mediastinitis, occurs rarely and is a catastrophic event. Linear lacerations longitudinally oriented, Cross the GEJ, Superficial and Heal quickly, no surgical intervention

Mailory-Weiss tear Kallory-Weits tear is a tear in the mucosal layer at the tunction

[Mallary-Weiss] * Due to Repetitive Vomiting = Relaxation-(Abnama) of Lower sphinctur = sever tear in Lower sphinctur =

.* Boerhaave Syndrome, if the tear reach Serosa -> transmural esophageal tears -> Catastrophic even *

[Mallary-Weiss] * Due to Repetitive Vomiting -> Relaxation- [
(Abnormal) of Lower Sphinctur -> Sever tear in Lower sphinctur +

** Boerhaave Syndrone, if the tear reach Serosa > transmural esophageal tears -> Catastrophic even *

ESOPHAGITIS

- 1- Chemical and Infectious Esophagitis
- > Medicinal pills may lodge and dissolve in the esophagus, rather than passing into the stomach intact, resulting in a condition termed pill-induced esophagitis. associated with Vital Pills.
- Esophagitis due to chemical injury generally causes only self-limited pain, particularly odynophagia (pain with swallowing). Hemorrhage, stricture, or perforation may occur in severe cases.
- Latrogenic esophageal injury may be caused by cytotoxic chemotherapy, radiation therapy, or graft-versus-host disease.
- Oiagnosis I > Candidiasis is characterized by adherent, graywhite pseudomembranes composed of densely matted fungal hyphae. and inflammatory cells covering the esophageal mucosa.

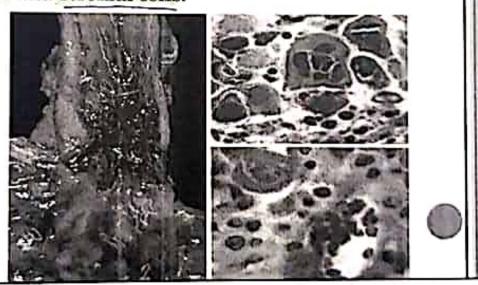
2nd

* immuno compromised Patient vival infected.

Herpesviruses typically cause punched-out ulcers and histopathologic analysis demonstrates nuclear viral inclusions within a rim of degenerating epithelial cells at the ulcer edge).

أماكن وجووه.

CMV causes shallower ulcerations and characteristic nuclear and cytoplasmic inclusions within capillary endothelium and stromal cells.



* inclusions within Epithelial cell -> Herpesviruses.

* inclusions within Capillary + Stromal -> CMV

enalothelian cell