There are two types os asthma>>>

1.extrnsic in younge pts

2.intrinsic in older patients

-COPD>>>CAUSES irreversible destruction of airways

-two condtions occours in COPD:FIRST Is chronic bronchitis(which is productive cough for more than 3 consecutive months,the second is emphysema

- sarcoidosis : It is an aquired systemic graulomatous disease, affecting multiple organs affecting mostly the lungs. It has unkown etiology

Oral manifestations are non specific and might includes:

1- slaivary glands swelling

2- **Xerostomia**.

3- Mucosal patches and nodules . [brownish]

4-Gingivitis and gingival hyperplasia.

5-lip swelling

6-Skin lesions around the oral cavity and on the nose.

It affects dental tx in the following ways: sarcodisis pt take immunosppresive drugs and steroids so they need a a steroid cover before tx and they might have other co morbidities such as hypertention and diabetes which might affect our tx.

-cystic fibrosis is a genetic disease caused by a mutation in CFTR gene

Patients with cystic fibrosis has fibrosis in the lung and might have diabetes mellitus.

Panceriatic insufficiency in these patients result in vitamine k deficiency which might lead to bleeding if we planned for extractions in thoses pt so we have to ask for INR test before.

ORAL MENfistations include:

1/ enamel hypoplasia

2/Delayed development and eruption of teeth.

3/ increased the prevalence of dental caries , Drs always recommend those pts to have high caloric low fat diet since they r complaing from metabolic disturbances and this high caloric diet is what behind caries development

4/Salivary gland hypertrophy & thick saliva

5/Staining; because of the antibiotic use espically tetracycline

6/Candidal infection; because of using wide spectrum antibiotics for long time.

-**Wigner`s granulomatosis.**

is a rare multisystemic autoimmune disease that affects small and medium sized blo**od vessels leading to vasculitis**

**oral manifestations include:** 1-Strawberry gingivitis / gingival hyperplasia.

2-Palatal perforation ; as a result from infection

3-Sudden nose deformity

Dental management include: because those patients receive high dose of immunosuppressant and corticosteroids , so they need steroidal cover & antibiotic prophylaxis.

-lung cancer: It is the cancer with the highest incidence

Oral manifestations include: 1-Palatal pigmentation; unknown mechanism but it maybe related with heavy smoking as in (smoker melanosis) , so when we face pts with palatal pigemntations even if they were heavy smokers we should look and ask for any signs and symptoms related to lung cancer .

2- metastasis to jaw bones or soft tissues (this condition is rare ) .

**-respiratory emergency include:** 1-Asthmatic attack

2-Aspiration of foreign bodies.

3-Collapse ; patients receiving systemic steroids may get adrenal crisis.

**Asthmatic attack : managmnet>>> stop dental procedure then give patient oxygene and his inhaler…. In severe cases we give the patient**  an emergency dose of hydrocortisone ( 200 mg IV) or adrenaline (bronchodilator) or combination of both.

**Aspiration of foreign bodies** :management>>> Our goal here is to help the patient get the aspirated object out .

First we shoud keep him in an upright position and encouraging him to cough

If this didnt work ,

Hemilich manuver should be done ,

And in the severe cases where pts cant breath at all , we should definitly call for emergency and they may do Tracheostomy and opening the airway.

-collapse: Pts who take steroids may undergo to an adrenal crisis and this is prevented by prophylactic cover .