

Mumps (Epidemic Parotitis)

Causative organism



Myxovirus (Including parainfluenza 1 and 2) spread by droplet infection. Virus involved both gland and sometimes the submandibular or sublingual salivary gland. Other organs like testis, ovary, Pancreas, brain etc. may also be involved the disease is commonly seen in children and young adults.

Incubation period - 14-21 days, average 18 days

Clinical features-

- 1 Fever may with chill and rigor.
2. Weakness and malaise.
2. Stiffness of jaw, inability to open the mouth.
4. Dryness of mouth with foul smell.
5. Pain and swelling over the Parotid region.

Complications.

- 1- Orchitis
- 2 Oophoritis
3. Mastitis
4. Pancreatitis
5. Meningo-encephalitis
6. Meningitis
7. Thyroiditis
8. Prostatitis
9. Myocarditis
10. Thrombocytopenic purpura.
- 11 Secondary infections.

Investigation

- 1- complement fixation test is Positive
2. serum amylase may be increased
3. Lymphocytosis in cst may be present in meningo encephal
4. Virus may be isolated from saliva.

Differential diagnosis- from salivary calculus. which is unilateral, and sarcoidosis, which causes bilateral chronic parotitis.

Salivary calculus



Prophylaxis - MMR Vaccine (mumps, measles, Reubella) or only mumps vaccine.

Treatment

- 1.Isolation
- 2.Maintained oral hygiene
- 3.Diet is liquid
- 4.Symptomatic treatment
- 5.Steroid may be used in orchitis or oophoritis

Ref.1. Text book of medicine by P.C.Das,currents book international,3rd edition.

2. Davidson's essentials of medicine 2ndediton e book, page no.85