

Contagious Ecthyma { Contagious Pustular Dermatitis }

{ORF}{Scabby Mouth} {Sore Mouth}

Etiology :

Para pox Virus ,Family :Pox viridea

Epidemiology :

- 1- Disease occur in sheep and Goat .
- 2 - Outbreak occur at any time but they are common in dry condition .
- 2- Disease occur in human working among infected sheep in slaughter house ,in handling wool and skin.
- 3- Spread in flock is rapid and occur by contact with affected animal or in animal object .
- 4- The Scabs remain highly infected for long period .

Pathogenesis :

- Damage to the skin ,virus does not establish in the damaged epidermis but replicates in the cell of an underlying .
- Following scarification of ovine skin and topical application of the orf .

Clinical Signs :

- Lesion develop initially as papules and then pustules these stages not usually observed .
- Thick,tenacious scabs covering a raised area of ulceration granulation and inflammation .
- Lesion develop at oral mucocutaneous junction, at oral commissures ,muzzle and nostrils and less extent to the buccal mucosa .
- They may appear as discrete ,thick scabs 0.5 cm in diameter.
- Lesion appear on the coronets and area ,around the anus and vulva .
- Sever systemic reaction ,gastroenteritis ,broncho pneumonia

- An usually cases found :
- Multifocal lesion occurred over the head ,neck,thorax and flank,
- Malignant form: begins with an acute episode ,its oral vesicles and extension of these lesion down the gastrointestinal tract .

Clinical Pathology :

- 1- Serological test .
- 2- Tissue culture .

Necropsy finding :

- 1-in malignant cases there is typical ulcerative lesion in the nasal cavity and upper respiratory tract .
- 3- In some cases there is erosion in the mucosa of esophagus ,abomasum and small intestine .

Differential Diagnosis :

- 1- Blue tongue .
- 2- Ulcerative dermatitis .
- 3- Mycotic dermatitis .
- 4- Facial Eczema .
- 5- Proliferative dermatitis (straw berry foot rot) confirm to lower limb.

Treatment :

- removal of scabs .
- application of ointments or astringent lotion .

Control :

- 1- Isolation the affected animal .
- 2- The remainder vaccinated.