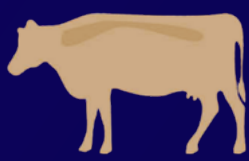


Lumpy Skin Disease

Clinical Signs and Symptoms

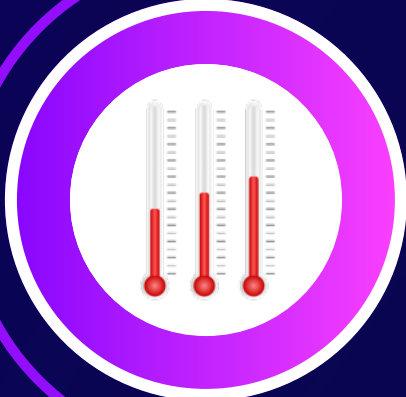


INCUBATION PERIOD - 28 DAYS

MORBIDITY



MORTALITY



GENERAL PHYSIOLOGICAL SIGNS

- Fever that can exceed 41°C
- Reduced milk yield in lactating cattle
- Depression, anorexia, and emaciation
- Rhinitis, conjunctivitis, and excessive salivation
- Enlarged superficial lymph nodes



CUTANEOUS NODULES

- 2–5 cm nodules develop within 48 hours
- Nodules on head, neck, limbs, udder, genitals, and perineum
- Nodules are firm, raised, round, and involve skin and subcutaneous tissue
- Large nodules may become necrotic and fibrotic
- Small nodules may resolve without consequences
- Myiasis (infestation by fly maggots) of nodules is possible



POX LESIONS AND ULCERS

- Pox lesions, erosions, and ulcers on mucous membranes
- Lesions appear in mouth, alimentary tract, trachea, and lungs



OEDEMA AND INFERTILITY

- Oedema in limbs and ventral parts of the body
- Bulls can experience temporary or permanent infertility



REPRODUCTIVE EFFECTS

- Pregnant cows may abort
- Cows may experience prolonged anoestrus



RECOVERY CHALLENGES

- Slow recovery from severe infection due to emaciation, pneumonia, mastitis, and necrotic skin plugs
- Plugs can attract flies and leave deep skin holes



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