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उ.प्र. पंडित दीन दयाल उपाध्याय पशुचिकित्सा विज्ञान विश्वविद्यालय एवं गो-अनुसन्धान संस्थान (दुवासु), मथुरा



Advisory on therapeutic approaches for lumpy skin disease in cattle

Diseased Animals	Symptoms/Severity	Therapeutic approaches
	<p><u>Mild form</u></p> <ul style="list-style-type: none">✓ Pyrexia✓ Hyporexia✓ Very few skin nodules✓ Lameness	<p>Rx</p> <ul style="list-style-type: none">• Inj. Ketoprofen @ 3 mg/kg SC, OD X 3 days <p>Immunity boosters</p> <ul style="list-style-type: none">• Syrup Vit E + Se (as per manufacturer recommendation) OR• Injectable Trace minerals (Cu/Zn/Mn/Se) @ 5 ml/400Kg IM, Once (don't repeat till 3 months) OR• Chelated Mineral Mixture powder @ 25-50g OD X 21 days OR• Injection Levamisole @ 2.5 mg/kg SC, repeat after 3 days
	<p><u>Moderate form</u></p> <ul style="list-style-type: none">✓ Pyrexia✓ Hyporexia✓ Large number of skin nodules✓ Enlarged lymph nodes✓ Mild edema	<p>Rx</p> <ul style="list-style-type: none">• Inj. Ketoprofen @ 3 mg/kg SC, OD X 3 days• Immunity boosters as suggested above• Inj. Enrofloxacin 10% @ 5mg/kg, IM/SC, OD X 3-5 days

	<p style="text-align: center;"><u>Severe form</u></p> <ul style="list-style-type: none"> ✓ Pyrexia ✓ Anorexia ✓ Enlarged lymph nodes ✓ Large number of skin nodules with open wounds ✓ Severe limb, brisket, and ventral edema ✓ Respiratory distress ✓ Prolong standing 	<p>Rx</p> <ul style="list-style-type: none"> • Inj. Meloxicam @ 0.5 mg/kg IM, OD X 3-5 day OR • Inj. Carprofen @ 1.4 mg/kg IM/SC, every alternate day X 3 • Immunity boosters as suggested above • Inj. Strepto-Penicillin @ 5g/400kg, IM, OD X 5 days • Inj. Furosemide @ 0.5-1.0 mg/kg IM OD X 3 days • Inj. B-Complex IM X 5 days • Inj. CPM @ 0.4-0.5 mg/kg IM OD X 3-5 days • Oral Sodium Acid Phosphate • Hydro massage of edematous area • Multiple electrolytes in drinking water • Fly repellent and wound healing cream/spray (Gamma Benzene Hexachloride + Proflavine/ Acriflavine + Cetrimide)
	<p style="text-align: center;"><u>Severe with secondary infections</u></p> <ul style="list-style-type: none"> ✓ Pyrexia ✓ Anorexia ✓ Sitfast ✓ Open wounds ✓ Suppurative skin lesions ✓ Foul smelling ✓ Severe edema ✓ Recumbent /Prolong standing ✓ Myiasis (Maggot wound) ✓ Respiratory distress with coughing 	<p>Rx</p> <ul style="list-style-type: none"> • Inj. Flunixin meglumine @ 1.1-2.2 mg/kg IM/IV, OD X 3-5 days • Immunity boosters as suggested above • Inj. Strepto-Penicillin @ 5g/400kg, IM, OD X 5 days OR • Inj. Ceftiofur Sodium @ 1.1-2.2 mg/kg IM/IV, OD X 3-5 days (if respiratory issue) • Inj. B-Complex IM X 5 days • Inj. CPM @ 0.4-0.5 mg/kg IM OD x 3-5 days • Oral Sodium Acid Phosphate • Multiple electrolytes in drinking water • Fly repellent and wound healing cream/spray (Gamma Benzene Hexachloride + Proflavine/ Acriflavine + Cetrimide) • Wound irrigation with Povidone Iodine solution diluted in Normal Saline • Hydrogen Peroxide for dressing of wounds • Metronidazole cream or liquid to be applied on the suppurative skin lesions • Long acting ivermectin injection subcutaneously once • Oral energy supplements (Propylene Glycol/Glycerol/ Propionate/Nicotinic Acid)