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Abstract

## Diagnostic and therapeutic management of Sarcoptic mange in a sheep

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### *Abstract*

A two-year-old sheep was presented to the department of veterinary clinical complex, veterinary college, Bidar with the history of severe itching and loss of hair on both ears and face from few days. Clinical examination revealed presence alopecia, thick brown scabs, thickened and wrinkled skin. The lesions were prominent on the nose, mouth and outer surface of the earflaps and the affected area was intensely excoriated because of pruritis and scratching while the rectal temperature was around 103<sup>0</sup> F with pale conjunctival mucus membrane. Deep skin scrapings examination revealed the presence of *Sarcoptes scabiei* mite which was identified by morphological characteristics such as rounded mouth parts, absence of eyes/stigmata, short posterior legs, presence of transverse ridges on dorsal surface of the body. The affected sheep was treated with injection ivermectin @ 200µg/kg BW S/C, chlorpheniramine maleate @ 0.5mg/kg BW. Advised owner for follow up therapy with ivermectin injections at weakly intervals. Six weeks post treatment skin scraping examination showed absence of mites with uneventful recovery.

