





**Figure 2:** Abnormal standing posture of a 16 months old Beetal buck suffering from the tetanus. The tail of this buck was in erected position. Muscles of the fore limb and hind limb were stiff.



**Figure 3:** Prolapse of 3<sup>rd</sup> eye lid of tetanus affected buck

#### 4. DISCUSSION

Tetanus is a bacterial disease caused by *Clostridium tetani* (Gram's positive bacteria). It causes toxemia by producing specific neurotoxins anaerobically in the tissue. During the unfavorable condition, bacterium changes into spores that are present in the soil all over the world. All mammals are susceptible to infection, among all mammals, horses and lambs are more sensitive to attain tetanus infection. Nonetheless, however, goats are also very susceptible to tetanus [1, 3].

Predisposing factors of tetanus infection including shearing, puncture wounds, castration and surgical interventions. In present case report, a 16-month-old Beetal buck was castrated surgically without maintaining aseptic conditions with ordinary blade. Wound become contaminated and animal developed stiffness of the body muscles, lock jaw and prolapse of third eyelid. Owing to the presence of contaminated wound and clinical signs Buck was diagnosed as tetanus.

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