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Efficacy of Xylazine as a Sedative in Cattle

G.U. Yadav, M.G. Thorat and S.N. Bedarkar

Teaching Veterinary Clinical Complex
Veterinary College, Udgir - 413 517, India.

Abstract

Xylazine was given in six clinical cases @ 0.03 mg/kg body weight by intramuscular route, 15 minutes before the actual surgical intervention. The local anaesthetic, Lignocaine HCL 2% was given in all the cases for the desensitization of site of operation. The Clinical parameters were studied before and after 10, 15, 30 and 60 minutes of xylazine sedation. The heart rate was reduced from 67.83 ± 3.90 to 59.5 ± 3.82 per minute. The respiration rate was decreased from 29.16 ± 0.61 to 29.10 ± 1.00 per minute.

The rectal temperature was reduced from 101.6 ± 0.03 to 101.5 ± 0.06 °F. Sedative effect was found to be good without any untoward reaction.

Keywords: Efficacy, Xylazine, Sedation, Cattle, Clinical Parameters, Respiration rate, Heart rate, Rectal temperature.