Foreign Body- Rumenotomy

Drugs

500 kg cow

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| Drug class | Drug name | Recommended Dosage and route | Volume of drug to be used |
| Sedative | Xylazine | 0.03 to 0.1 mg/kg IV/ 0.02 to 0.5 mg/kg IM. Conc. 100mg/ml. | 0.75ml to 2.5ml IV or 0.5ml to 12.5 ml IM. |
| Local anesthetic | 2% HCL Lidocaine | 0.2 to 0.4 mg/kg | 5ml to 10ml |
| Analgesic | Flunixin meglumine | 1.1-2.2 mg/kg IV, IM once daily up to 5 days. Conc. 50mg/ml | 11ml to 22ml |
| Prophylactic drug | Tetanus toxoid and antitoxin | 1ml IM | 1ml |
| Emergency drug | Yohimbine | 0.1 to 0.2 mg/kg IV. Conc. 10mg/ml | 5ml to 10ml IV |
| Antibiotics | Ceftiofur Hydrocloride | 2.2 mg/kg IM. Conc. 50 mg/m | 32ml IM |

Sample calculation of xylazine

Max dose: recommended dose x weight = 0.1mg/kg x 500kg= 50mg

Xylazine concentration= 20mg/ml

Total volume = max dose/concentration= 50mg ÷ 20mg/ml = 2.5ml

Sample calculation of 2% HCL lidocaine

Max dose: recommended dose x weight = 0.2mg/kg x 500kg = 100mg

Lidocaine concentration: % = g/100mL. 2% solution = 2g/ 100mL.

2g~2000mg 》2000mg/100ml = 20mg/ml.

Total volume = max dose/conc. = 100mg ÷ 20mg/ml = 5ml