

For the purposes of the procedure being carried out , full general anesthesia was not necessary but rather a dose that would achieve sedation of the animal was used for ease of operation and safety of the animal. A Xylazine + Ketamine combination was used for this feat .

- Ketamine was used @ 0.05mg/kg
- Xylazine was used @ 0.025mg/kg

CALF ID# 256 - Dehorning
W - 134KG

$$10\% \text{ Ketamine} = 134\text{kg} \times 0.05 / 100 = 0.067 \text{ mls}$$

$$2\% \text{ Xylazine} = 134\text{kg} \times 0.025 / 20 = 0.1675\text{mls}$$

For the purpose of this lab the volume of 10% Ketamine given was rounded to 0.1ml and volume of 2% Xylazine was rounded to 0.17ml . A total of 0.27ml Xylazine/Ketamine stun was given I.M .

TOXICITY CALC

Lidocaine is Toxic @ 10mg/kg. This equates to
 $134\text{kg} \times 10 / 20 = 67\text{mls}$

EMERGENCY DRUG CALC

$$\text{Epinephrine @}1\text{mg/ml} = 134 \text{ kg} \times 0.02 / 1 = 2.68\text{mls}$$

$$\text{Tolazine} = 134\text{kg} \times 0.1 / 100 = 0.134 \text{ mls}$$