***Drugs for PEGGY***

***LOADING DOSE:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Drugs | Dose/ Concentration | Calculations | Volume per site | Withdrawal Time | Route &Comments |
| Sedative |  |  |  |  |  |
| Xylazine | **Recommended Loading dose 2% of 0.05 mg/kg** | **Loading Dose: = 1.25 ml** | **Loading Dose:**  **1.3 ml** | **4 days for meat**  **1 day for milk** | **IM**  **Onset: 10 min**  **Duration: 45 min** |
| Ketamine | **Recommended Loading Dose 10% of 0.25 mg/kg** | **Loading Dose:**  **= 1.25 ml** | **Loading Dose:**  **1.25 ml** | **3 days for meat**  **3 days for milk** | **IM**  **Onset: 10 min**  **Duration: 45 min** |
| Lidocaine- IV Regional Anaesthesia (BLOCK) | **Toxic dose: 2% of 10 mg/kg** | **Toxic Dose**  **= 250 ml**  **Maximum Vol can be administered:**  **= 125 ml**  **Loading dose:**  **= 25 ml** | **Loading dose:**  **25ml** | **5 days for meat** | **IV for loading dose**  **animal exhibited signs of pain over the incision site.** |
| NSAID |  |  |  |  |  |
| Flunixin | **Initial Dose: 5% of 2.2 mg/kg** | **Initial Dose:**  **= 22 ml** | **Initial Dose:**  **22 ml** | **4 days for meat** | **IV**  **Onset: Within 2 hours**  **Duration: 24-36 hours** |
| Antibiotic |  |  |  |  |  |
| Penicillin Streptomycin | **Initial Dose: 200,000 IU/ml of 20,000 IU/kg** | **Initial Dose: = 50 ml** | **25 ml per site** | **30 days for meat**  **10 days for milk** | **IM**  **Duration: 72 hours** |
| Tetanus  Toxin | **1500 IU/ml** | **1 vile = 5ml** | **5ml** |  |  |

***Reversal Drugs:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Drugs | Dose/Concentration | Calculations | Volume | Route & Comments |
| Atropine | **0.54 mg/ml of 0.04mg/kg** | **= 37.0 ml** | **37 ml** | **IV/IM**  **Used for Bradycardia**  **(less than 38 bpm)** |
| Epinephrine | **1 % of 0.02 mg/kg** | **= 10 ml** | **10 ml** | **IM**  **Used for anaphylactic shock**  **Signs include respiratory depression, excess salivation, urticaria, rhinitis, facial and limb oedema** |
| Tolazoline | **10 % of Recommended 2-4 times xylazine dose (0.1 mg/kg – 0.2 mg/kg)** | **Lower Limit:**  **= 0.5 ml**  **Upper limit =**  **= 1 ml** | **Lower Limit**  **= 0.5 ml**  **Upper limit**  **= 1 ml** | **IV slowly**  **Used to reverse xylazine.**  **If signs of xylazine toxicity (bradycardia, hypotension and respiratory depression) are seen administer the lower limit, 0.1 ml.**  **If signs continue after some time add 0.1 ml or less to reach the upper limit. BUT do not cross the upper limit.** |