**VETM 4001 – LARGE ANIMAL SURGERY**

**REPORT – Exploratory Laparotomy (Right Flank Laparotomy)**

**Patient – R26**

**Date: Tuesday 26th November, 2015**

**Group Combination: 4 & 7**

**Group Members:**

**GROUP 4 GROUP 7**

Andrew Garvey Tashard Major

Kerry Ann Kattick Arielle Persad

Cher-Marie Lewis JosettePhilbert

Lisa Maharaj Asia O’niel

**DRUGS USED**

1. **Pre-anaesthetic induction**
2. Xylazine 2% = 0.05 x 33.4 / 20

= 0.0835 mls (IM)

+ 0.04mls Xylazine + 0.46mls saline

(for further induction because intubation was difficult)

1. **Anaesthetic induction**
2. Ketamine = 6 x 33.4 / 100

= 2.004mls

+ “Top-ups” of 5.525 mls Ketamine intra-operatively at 1ml and 0.5ml boluses when deemed necessary (i.e. patient light in anaesthesia)

1. Lidocaine 2% = 1 x 33.4 / 20

= 1.67mls

1. **Analgesia**
2. Flunixin = 2.2 x 33.4 / 50

= 1.47mls

1. **Epidural**
2. Lidocaine + Bupivacaine = 1ml + 1ml

= 2mls

1. **Antibiotic**
2. Combikel = IM

= 10mls total (5mls on each side)

1. **Maintenance -> CRI**
2. Ketamine = 66 x 33.4 x 1000 / 16.67 x (5 x 33.4)

= 791.84 (divide by [100])

= 7.92 mls

1. Lidocaine 2% = 20 x 33.4 x 1000 / 16.67 x (5 x 33.4)

= 239.95 / [20]

= 11.99

= 12mls

1. Xylazine 2% = 0.66 x 33.4 x 1000 / 16.67 x (5 x 33.4)

= 7.91

= 7.91 / [20]

= 0.39

= 0.40 mls

**DRIP RATE**

* Rate of fluid delivery = 5ml / kg / hr
* Drop factor = 20 drops / ml

Therefore Drip rate = wt. of animal x rate of fluid delivery x drop factor

= 33.4 kg x 5mls/kg/hr x 20 drops/ml

= 3340 drops / hr

= 3340 / 60 = 55.66 drops / min

= 55.66 / 60 = 0.9 drops / sec

= 1 drop / sec

**Emergency Drugs**

1. Tolazoline = 4 x Xylazine dose rate

= Xylazine dose rate = 0.05

= 0.05 x 4

= 0.2

= 0.2 x 33.4 / 100

= 0.067 mls

1. Atropine = 0.04 x 33.4 / 0.54

= 2.47mls

1. Epinephrine = 0.02 x 33.4 / 1

= 0.67 mls