**VETM 4001 – LARGE ANIMAL SURGERY**

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

**Patient – Red Tag**

**Date: Tuesday 22nd November, 2016**

**Group Combination: B & F**

Both jugulars and cephalics were shaved in addition to the right flank and epidural block space. Two catheters were placed; one on the right cephalic and one in the left jugular.

**DRUGS USED**

1. **Pre-anaesthetic induction**
2. Xylazine 2% = 0.05 x 48.6 / 20

= 0.12mls

 0.12mls Xylazine + 1.88 mls saline = 2mls (IM)

1. **Anaesthetic induction**
2. Ketamine = 6 x 48.6 / 100

= 2.92mls (IV)

+ “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 48.6 / 20

= 2.43mls (IV)

1. **Analgesia**
2. Flunixin meglumine = 2.2 x 48.6 / 50

 = 2.14mls (IV)

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

= 2mls

1. **Antibiotic**
2. Pen - Strep = 20,000 × 48.6 / 200,000

 = 4.86mls total (approximately 2.43mls on each side IM)

1. **Maintenance -> CRI**
2. Ketamine = 66 x 48.6 x 1000 / 16.67 x (5 x 48.6)

= 791.84 (divide by [100])

= 7.92 mls

1. Lidocaine 2% = 20 x 48.6 x 1000 / 16.67 x (5 x 48.6)

= 239.95 / [20]

= 11.99

= 12mls

1. Xylazine 2% = 0.66 x 48.6 x 1000 / 16.67 x (5 x 48.6)

= 7.91

= 7.91 / [20]

= 0.39

= 0.40 mls

Remove 20mls from drips bag before adding CRI drugs in.

**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

 = 48.6 kg x 5mls/kg/hr x 20 drops/ml

 = 4860 drops / hr

 = 4860 / 60 = 81 drops / min

 = 81 / 60 = 1.4 drops / sec

 = 3 drops / 2 secs

**Emergency Drugs**

1. Tolazoline = 4 x Xylazine dose rate

= Xylazine dose rate = 0.05

= 0.05 x 4

= 0.2

= 0.2 x 48.6 / 100

= 0.0972 mls approx.. 0.1mls (IV)

= 2 x Xylazine dose rate

= 0.05 × 2

= 0.1 × 48.6 / 100

= 0.05mls (IV)

1. Atropine = 0.04 x 48.6

= 1.94mls (IV)

1. Epinephrine = 0.02 x 48.6 / 1

= 1 mls (IV)