**Proximal Paravertebral Nerve Block**

**Drug used: Lidocaine**

**Weight of cow: 650Kg**

**Dosage:0.2ml/Kg**

**Volume administered: 10cc per injection site (×3)**

 **Indications: Pain management during surgical procedures involving structures accessible through flank area of cattle (eg. Caesarean section via paralumbar fossa)**

**Technique: Block Nerves T13 L1 & L2**

**Method: From the tuber coxae (pinbone) structure, the cow was palpated cranially to locate transverse process of L5 of the lumbar vertebrae.
Transverse processes of L1 and L2 were located by palpating cranially from transverse process of L5. Once L1 is located, an 18 gauge spinal needle was used to penetrate 4 inches laterally from the vertebral midline.
Once transverse process was encountered needle was walked off cranial border of L1 and advanced 0.75cm deeper then 10ml of 2% lidocaine was injected into site to block T13.
Needle is then walked off the caudal border of the the same transverse process to block L1.
To anaesthetise L2, the first step was repeated but needle was walked off caudal border of L2.
5-10 minutes were allowed for drug to take effect.**