**FORMULAR: VOLUME= (DOSE(MG/KG) \*WEIGHT (KG)) /CONC (MG/KG)**

**SEDATION:**

xylazine : 0.025\*450 /20 =0.6ml

ketamine: 0.05\*450/100=0.3ml

Tolazoline: 2-4x xylazine dose iv

 :2\*0.025=0.05 ml\*450/100=0.225ml

 :4\*0.025=0.1ml\*450/100=0.45ml

**EPIDURAL:**

2% Lidocaine : 0.2\*450/20=4.5ml

toxic dose=10\*450/20=225ml/2 =113ml

**DISTAL PARAVERTEBRAL:**

10ml 2% lidocaine per site

Three sites proximal and three sites distal =60 ml 2% lidocaine.

**IV REGION:**

2% lidocaine IV

5-10 cc per site

5ml of 2% lidocaine administered in the cranial br lat saphenous vein and cephalic vein.

**AURICULO-PALBEBRAL AND CORNUAL BR.LACRIMAL NERVE:**

2% lidocaine at 10 ml per site.