**Umbilical Herniation Repair**

* Signalment:
	+ ID: #4
	+ Sex: Male
	+ TPR: not taken (Anybody have these values before the procedure?)
	+ Behaviour: BAR
	+ ASA Grade: Class 2 (need help with this)
	+ Body Weight: 27.0 kg
	+ Species: Pig
* Other Info:
	+ 23G catheter was used
	+ Ear vein was first choice, but as the result of the ear veins not being accessible cephalic vein was used
	+ Mass: reducible
	+ Normal TPR:
		- T = 39.2°C (± 0.5)
		- P = 70 -120 bpm
		- R = 32 – 58 bpm
	+ After surgery:
		- Jaw reflexes were present
		- TPR:
			* T = 36°C
			* P = 71 bpm
			* R = 44 bpm
* Penicillin – Streptomycin:
	+ Dose: 22,000 IU/kg
	+ Concentration: 200,000 IU/ml
	+ Administration: IM
	+ Dose calculated: $\frac{22,000\frac{IU}{kg} ×27.0 kg}{200,000\frac{IU}{ml}}=2.97 ml≅3ml$
	+ Was administered first
	+ Time given – 1:32 PM
* Stresnil:
	+ Dose: 1mg/kg
	+ Concentration: 40mg/ml
	+ Administration: IM
	+ Dose calculated: $ \frac{1\frac{mg}{kg} ×27.0 kg}{40\frac{mg}{ml}}=0.675 ml≅0.67ml$
	+ Was administered second
	+ Time given – 1:33 PM
* Flunixin:
	+ Dose: 1.1 mg/kg
	+ Concentration: 50mg/ml
	+ Administration: IV
	+ Dose calculated: $ \frac{1\frac{mg}{kg} ×27.0 kg}{40\frac{mg}{ml}}=0.594 ml≅0.59ml$
	+ Was administered
* Xylazine + Ketamine:
	+ Dose: 1ml/45kg
	+ Concentration: N/A (back up for Stresnil)
	+ Administration: IM
	+ Dose calculated: 1:1 (Xylazine = Ketamine)
		- 1ml = 45kg
		- ∴ 27.0 kg (wt of pig) = $\frac{1 ml}{45 kg} ×27.0 kg$ = 0.6 ml
		- wrt 1:1 ∴ 0.3 ml of Xylazine & 0.3 ml of Ketamine
	+ Was administered “15mins” after: 1:54 PM
		- Another dose was given at 2:24 PM
* Thiopental: (Induction)
	+ Dose: 10mg/kg
	+ Concentration: 5% ∴(5×10)mg/ml = 50 mg/ml
	+ Administration: IV
	+ Dose calculated: $ \frac{10\frac{mg}{kg} ×27.0 kg}{50\frac{mg}{ml}}=5.4 ml$
	+ Was administered
* Diazepam + Ketamine:
	+ Dose: 1mg/20lb (9.09kg)
	+ Concentration: (top up)
	+ Administration: IV (correct me if I’m wrong)
	+ Dose calculated: 0.25:1 (1/4 Diazepam = 1 Ketamine)
		- 1ml = 9.09kg
		- ∴ 27.0 kg (wt of pig) = $\frac{1 ml}{9.09 kg} ×27.0 kg$ = 2.97 ml ≅ 3ml
		- wrt 0.25:1 ∴ $\frac{1}{2}$ ml of Diazepam & $2\frac{1}{2}$ ml of Ketamine
	+ Was administered 4 times: 2:51 PM, (?) PM ,3:20 PM (didn’t get in the system) & 3:27 PM
* IV Fluid:
	+ Dose: 10mg/kg/hr
	+ Concentration:
	+ Dose calculated: $\frac{10\frac{mg}{kg} ×27.0 kg}{3600\frac{mg}{ml}}=0.075 ml≅0.08 ml$
		- Drip rate: 2 drops/second (correct me if I’m wrong)
	+ Was given, however catheter wasn’t in the vein
* Epinephrine:
	+ Dose: 0.2 mg/kg
	+ Concentration: 1mg/ml
	+ Administration: IM
	+ Dose calculated: $\frac{0.2\frac{mg}{kg} ×27.0 kg}{1\frac{mg}{ml}}=5.4 ml$
	+ Not given
* Atropine:
	+ Dose: 0.05 mg/ml
	+ Concentration: 0.54mg/ml
	+ Administration: IM
	+ Dose calculated:$ \frac{0.05\frac{mg}{kg} ×27.0 kg}{0.54\frac{mg}{ml}}=2.5 ml$
	+ Not given