

Cats

Balanced Anesthetic Protocol:

Opioid/sedative IM; IV induction to effect, Inhalant, local anesthetic splash block, NSAID

Opioid choices:

Morphine 0.5 - 1 mg/kg (full mu agonists are most effective for invasive procedures)

Hydromorphone 0.1 -0.2mg/kg

Methadone 0.3 -0.5 mg/kg

Buprenorphine 0.02 – 0.04 mg/kg (moderate soft tissue pain)

Butorphanol 0.2 mg/kg (good sedative, poor analgesic)

Sedative Choices:

Acepromazine 0.02 – 0.05 mg/kg

Dexmedetomidine 3 – 8 mcg/kg

IV Induction choices:

Ketamine 5 mg/kg and midazolam 0.25 mg/kg

Ketamine 2 mg/kg and propofol 3 mg/kg

Midazolam 0.5 mg/kg and propofol 3 mg/kg

Propofol 4 -6 mg/kg

Total IM Induction

-Monitor patient closely from time of administration; be ready to supply heat support, O₂, and intubate; may need to add inhalant for longer procedures.

-If inhalant unavailable, “top up” with ¼ of the original dose IV

Dexmedetomidine/ketamine/butorphanol marginal lasting analgesia, add an opioid such as buprenorphine in recovery)

-2 mL dexmedetomidine/3.3 mL ketamine/ 2 mL butorphanol, 2.7 mL saline

- 0.5 mL/4.1 kg (9 lbs)

Dexmedetomidine/ketamine/midazolam/ buprenorphine OR methadone

(“Quad protocol” Hint: there’s an app for that!)

Convert weight to BSA = $(10.4 \times BW^{0.67})/100$

Multiply BSA by 0.06 for volume of each agent

Telazol/dexmedetomidine/butorphanol (marginal lasting analgesia, add an opioid such as buprenorphine in recovery)

-Reconstitute 1 vial of Telazol with 2.5 mL dexmedetomidine (0.5 mg/mL) and 2.5 mL butorphanol (10 mg/mL)

- 0.1 – 0.3 mL/9.1 kg (20 lbs)

Telazol/ketamine/xylazine (marginal lasting analgesia, add an opioid such as buprenorphine in recovery)

- Reconstitute 1 vial of Telazol with 4 mL of ketamine (100 mg/mL) & 1 mL xylazine (100 mg/mL)

- 0.25 mL/4.5 kg (10 lbs)