

## Surprise! The Practice of Anesthesia in the ER and ICU

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### Anesthesia for Real Sick Patients

#### Opioids

- Morphine:
  - K9 – 0.3 to 0.5 mg/kg IM, SQ
  - Feline – 0.1 to 0.2 mg/kg IM/SQ
  - CRI – loading dose (0.3 to 0.5 mg/kg) followed by 0.1 to 0.4 mg/kg/hr
    - Remember IV slowly\*\*
- Hydromorphone
  - K9 – 0.025 to 0.2 mg/kg
  - Fel – 0.05 mg/kg to 0.1 mg/kg
- Fentanyl
  - K9 and cat – 3 to 10 mcg/kg
  - CRI – loading dose (see above) followed by 3 to 15 mcg/kg/hr IV
- Methadone
  - K9 and cat – 0.3 to 0.5 mg/kg
- Butorphanol
  - K9 – 0.1 to 0.4 mg/kg
  - Fel – 0.2 to 0.6 mg/kg

Reversal: Naloxone – 0.04 mg/kg diluted in saline – administer to effect

Lidocaine – K9: 1 to 2 mg/kg IV (slow bolus) – CRI 1 to 3 mg/kg/hr with an opioid +/- ketamine

Ketamine – 0.2 to 1 mg/kg bolus then CRI 2 to 5 mcg/kg/min

Dexmedetomidine – 0.5 to 1 mcg/kg then CRI 0.5 to 3 mcg/kg/hr (higher end (1 to 3) for more sedation)

#### Benzodiazepene

- Midazolam 0.1 to 0.3 mg/kg
- Diazepam 0.1 to 0.3 mg/kg

Reversal: Flumazenil 0.01 mg/kg – 0.03 mg/kg IV slowly

#### Induction

Propofol: 1 to 6 mg/kg IV

Etomidate: 0.5 to 3 mg/kg IV

Ketamine 5 to 7 mg/kg + midazolam 0.25 to 0.3 mg/kg IV