

## **Ketamine**

### **Protocols:**

1. Excited Delirium
2. Patient Sedation
3. Pain Management




### **Indications:**

1. Patients with excited delirium
2. Agitation
3. Significant pain

### **Contraindications:**

1. Known hypersensitivity

### **Dosing:**

1. Excited Delirium
  - a. Adults only – 4 mg/kg IM (500 mg maximum dose)
2. Patient Sedation
  - a. Adults and Pediatrics 
    - i. Ketamine 4 mg/kg IM (500 mg maximum dose) **OR** 1-2 mg/kg IV/IO titrated slowly **OR** 1-2 mg/kg IN (200 mg maximum dose), if available.
3. Pain Management
  - a. Adults and Pediatrics 
    - i. Ketamine 0.5 mg/kg IN, if available **OR** 0.2 mg/kg (maximum single dose 25 mg) IV/IO. May repeat after 10-15 minutes to a maximum total dose of 50 mg.
    - ii. Ketamine for pain management given IV/IO should be diluted by drawing up the Ketamine and diluting to 10 cc with NS. It must be administered slowly over 2-3 minutes to avoid dissociation symptoms.
    - iii. If an IV is not available a single dose of ketamine may be given IM 0.2 mg/kg (maximum single dose 25 mg). Do not repeat ketamine or administer an opioid after IM ketamine administration without on-line medical direction.
4. Patient Restraint 
  - a. Adults only – Ketamine 4 mg/kg IM (500 mg maximum dose)

### **Expected Effects:**

1. Sedation
2. Decreased agitation
3. Decreased pain

### **Side Effects:**

1. Nausea/vomiting
2. Nystagmus