

## Ketamine (Ketalar) – EMSAC January 2024

### ACTION: Dissociative anesthetic

- N-methyl-Daspartate (NMDA) receptor agonist with a potent anesthetic effect.

### INDICATIONS:

- Moderate to Severe Pain
- Pain not effectively managed with ketorolac, ibuprofen or BLS measures
- Allergy to fentanyl

INDICATION	ADULT/ PEDIATRIC (3 years and up)
<p><b>Moderate to Severe Pain</b>  <b>Pain not effectively managed with Ketorolac, Ibuprofen, or BLS measures</b>  <b>Where Ketorolac, Ibuprofen, or BLS measures may be insufficient in controlling pain.</b>  <b>Allergy to Fentanyl</b></p>	<ul style="list-style-type: none"> <li>• IV/IO 0.25mg/kg in 100ml of NS/D5W Slow infusion over 10 minutes</li> <li>• IM/IN 0.25mg/kg</li> <li>• IN 0.5 mg/kg</li> <li>• Max dose for all routes is 30mg, <b>no repeat dosing</b></li> <li>• Repeat dosing every 20 minutes, up to 2 doses. WITH BASE CONTACT</li> </ul>

### CONTRAINDICATIONS:

- Pregnancy
- Chest pain of cardiac origin
- History of schizophrenia
- Hypersensitivity to Ketamine
- Opiate pain medication
- Benzodiazepines
- Head Trauma with Altered Mental Status

### POTENTIAL SIDE EFFECTS:

- |                                |              |
|--------------------------------|--------------|
| • Dizziness                    | • Drowsiness |
| • Respiratory depression/Apnea | • Psychosis  |
| • Nausea/vomiting              | • Amnesia    |
| • Hypertension                 | • Seizures   |
| • Impaired motor function      |              |
| • Laryngospasm                 |              |

Effective: xxxxxxxx  
Supersedes: New

**ADULT & PEDIATRIC DOSE/ROUTE:**

Effective: xxxxxxxx  
Supersedes: New

Approved for ages 3 years and up

⇒ IV/IO 0.25mg/kg in 100ml of NS/D5W Slow infusion over 10 minutes

⇒ IM/IN 0.25mg/kg

⇒ Max dose for all routes is 30mg, no repeat dosing

**NOTES:**

- DO NOT co-administer Fentanyl and ketamine
- Cardiac monitoring with SpO<sub>2</sub>, EtCO<sub>2</sub> and monitoring patient's LOC is required
- Contact the Base Hospital Physician if repeat doses of Ketamine are required for adequate pain control.

DRAFT