

Ketamine (Ketalar)
ADMINISTRATIVE CHANGE/EMSAC FEBRUARY 2026

ACTION: Dissociative anesthetic

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

INDICATION	ADULT/ PEDIATRIC (3 years and up)
Moderate to severe pain where Ketorolac, Ibuprofen or BLS measures may be insufficient in controlling pain. Allergy to Fentanyl	<ul style="list-style-type: none">• IV/IO 0.25mg/kg in 100ml of NS/D5W Slow infusion over 10 minutes (maximum single dose 30 mg). May repeat every 10 minutes to a total of 60 mg.• IN 0.5 mg/kg (maximum single dose 30 mg). May repeat every 10 minutes to a total of 60 mg• Max dose for all routes is 30mg.• Repeat dosing every 20 minutes, up to 2 doses.

CONTRAINDICATIONS:

- Pregnancy
- Chest pain of cardiac origin
- Hypersensitivity to Ketamine
- Significant head trauma with altered mental status.

POTENTIAL SIDE EFFECTS:

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

NOTES:

- DO NOT co-administer Fentanyl and ketamine at the same time. If administering Fentanyl and Ketamine to the same patient, administer 15 minutes after completion of the first dose.
- Cardiac monitoring with SpO₂, EtCO₂ and monitoring patient's LOC is required