

9180 KETAMINE (KETALAR)

EMR	EMT	EMT/IV	ABMT	INTERMEDIATE	PARAMEDIC
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Ketamine (Ketalar)

Authorization to administer Ketamine requires waiver approval by the State of Colorado and must conform to written protocols. Ketamine cannot be administered outside of these protocols even with Direct Verbal Orders from a physician.

Description

Nonbarbiturate, sedative hypnotic. Ketamine produces profound analgesia through dissociative anesthesia.

Indications

- Sedation for RSI – For RSI Approved Providers ONLY
- Sedation post RSI - For RSI Approved Providers ONLY
- Management of Severe Pain
- Management of Moderate Pain in patients with Systolic Blood Pressure < 90mm Hg
- **Excited Delirium**

Precautions

- Ketamine can cause hypertension and tachycardia. Caution should be used with cardiac, stroke and intracranial hemorrhage patients.

Contraindications

- Hypertensive Emergency
- Suspected MI or Stroke

Side effects

- Laryngospasm, vomiting, and hypersalivation.
- Emergence with anxiety, agitation or hallucinations.

Caution/Comments:

- The objective of pain management is not the removal of all pain, but rather, to make the patient's pain tolerable enough to allow for adequate assessment, treatment and transport
- **ETCO₂ and cardiac monitoring required.**

Dosage and Administration

RSI Induction

Adult IV: 1.5 mg/kg

RSI post intubation sedation

Adult IV: 0.5 mg/kg

Excited Delirium

Adult Dose IM: 4 mg/kg (max dose 500mg)

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Management of Severe Pain OR

Management of Moderate Pain in patients with Systolic Blood Pressure < 90mm Hg

Adult Dose **IV**: 0.3 mg/kg (slow IV push)

Adult Dose **IM**: 0.5mg/kg

Management of Severe Pain OR

Management of Moderate Pain in patients with Systolic Blood Pressure < 90mm Hg

Pediatric Dose IV: 0.3 mg/kg (slow IV push)

Protocol

- [Agitated/Combative Patient](#)
 - [Rapid Sequence Intubation](#)
 - [Pain Management](#)
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