

Ketamine

<u>Generic Name:</u>	<u>Brand Name:</u>	<u>Drug Class:</u>
Ketamine	Ketalar	Anesthetic
<u>Mechanism of Action:</u>	<u>Time to Onset:</u>	<u>Duration of Effects:</u>
NMDA receptor antagonist	• IV: Immediate • IM: 3-55 minutes	• IV: 5-15 minutes • IM: 15-30 minutes
<u>Indications:</u>	<u>Contraindications:</u>	<u>Possible Side Effects:</u>
• Conscious sedation • Agitated delirium • Analgesia	• Schizophrenia Use caution in: • Severe hypertension • Pregnancy • ETOH • Increased ICP	• Nausea • Diplopia • Drowsiness • Apnea • Hypertension • Nystagmus • Emergence delirium
<u>Administration Route:</u>	<u>Adult dose:</u>	<u>Pediatric dose:</u>
• IV • IO • IM	Sedation • IV: 1-2 mg/kg • IM: 4-6 mg/kg Pain • IV: 0.1-0.4 mg/kg • IM: 0.5 mg/kg	• Sedation ○ IV: 1-2 mg/kg ○ IM: 4-6 mg/kg • Pain ○ Not recommended
Ketamine should be administered over 1 minute when IV route is used. Improper rate administration or incorrect dosing can result in respiratory depression and the inability to protect the airway.		
In pediatric drug-assisted intubation, indicated for:		
Normotensive	Increased ICP	
Severe Hypotension	Status Asthmaticus	
Sepsis	Head injury	
Trauma		