

Addendum.
Recommended Deep Sedation Drugs and Doses: Adult

Doses exceeding recommended ranges are documented in the patient's chart. May only be performed by those physicians with credentials to administer deep sedation. Deep sedation medication may be administered by qualified RN if the credentialed physician is physically present during the administration, and the medication is administered after the physician orders it and the RN verbally confirms this order.

DRUG	RECOMMENDED IV SEDATIVE DOSE	ONSET OF ACTION (min)	DRUG EFFECTS	REVERSAL AGENT
Propofol (Diprivan)	25-75 mcg/kg/minute; initiate at 15 mcg/kg/minute with increments of 5 mcg/kg/minute every 5 minutes until sedated or a max dose of 50 mcg/kg/min. Maintain infusion at dose that achieves sedation.	Within 1 minute; short duration of action. After discontinuation, recovery occurs in 10-15 minutes.	After stopping infusion, patients are generally awake & responsive to verbal commands within 8 minutes. Dose-related increases in sedation & respiratory depression. Dose-related amnesia evident at more than 17 mcg/ kg/minute. Hypotension occurs in 26%. No analgesic activity. Opioids interact synergistically & markedly reduce the dose of propofol.	None
Ketamine	Refer to Addendum 4, <i>Recommended Deep Sedation Drugs and Doses: Pediatric and Neonatal.</i>			
Etomidate (Amidate)	5-8 mcg/kg/minute IV Children, rectal: 6.5 mg/kg	Within 1 minute; duration of action is 10 minutes	Useful for hemodynamically unstable patients; has minimal effects on ventilation & cardiovascular function. Use with fentanyl allows for lower dosage & earlier awakening. Hiccups or coughing incidence similar to methohexital; 30-40% nausea/vomiting; pain on injection; myoclonus (reduced by premedication with opioid or benzodiazepine).	None
Opioids	1-3 mcg/kg fentanyl over 1-2 min.	Within 1 minute	Maximal respiratory depression at 5-10 minutes and may last for more than 1 hr; dose easily titrated to effect. Exhibits minimal hypnotic action; histamine release rarely occurs.	Naloxone 0.1 mg IV every 2-3 min until sedation level 1 & RR greater than 8 or max 4 doses

