

ANESTHESIA

Anesthetics and Sedatives

DEXMEDETOMIDINE (Precedex) ICU sedation less than 24 h: Load 1 mcg/kg over 10 min followed by infusion 0.6 mcg/kg/h (ranges from 0.2 to 1.0 mcg/kg/h) titrated to desired sedation endpoint. Beware of bradycardia and hypotension. Reduce dose in impaired hepatic function and geriatric patients. ▶LK ♀C D? \$\$\$

ETOMIDATE (Amidate) Induction: Give 0.3 mg/kg IV. ▶L ♀C D? \$

KETAMINE (Ketalar) Dissociative sedation: 1 to 2 mg/kg IV over 1-2 min (sedation lasting 10-20 min) repeat 0.5 mg/kg doses every 5 to 15 in PRN; 4 to 5 mg/kg IM (sedation lasting 15-30 min) repeat 2-4 mg/kg IM every 10 to 15 min PRN. Anesthesia induction: Adult: 1 to 2 mg/kg IV over 1 to 2 min (produces 5- to 10-min dissociative state) or 6.5 to 13 mg/kg IM (produces 10- to 20-min dissociative state). Concurrent administration of atropine no longer recommended. Consider prophylactic ondansetron to reduce vomiting and prophylactic midazolam to reduce recovery reactions. Peds: Age older than 3 mo: 1 to 2 mg/kg IV over 1 to 2 min or 4 to 5 mg/kg IM. Analgesia adjunct subdissociative dose: 0.01 to 0.5 mg/kg in conjunction with opioid analgesia. [Generic/Trade: 10, 50, 100 mg/mL.] ▶L ♀C D? ©III \$ ■

METHOHEXITAL (Brevital) Anesthesia induction: 1 to 2 mg/kg IV, duration 5 min, followed by 0.25-1 mg/kg IV every 4 to 7 min prn. ▶L ♀B D? ©IV \$\$\$

MIDAZOLAM (Versed) Adult sedation/anxiolysis: 5 mg or 0.07 mg/kg IM; or 1 mg IV slowly q 2 to 3 min up to 5 mg. Peds: 0.25 to 1 mg/kg to max of 20 mg PO, or 0.1 to 0.15 mg/kg IM. IV route (6 mo to 5 yo): initial dose 0.05 to 0.1 mg/kg IV, then titrated to max 0.6 mg/kg. IV route (6 to 12 yo): initial dose 0.025 to 0.05 mg/kg IV, then titrated to max 0.4 mg/kg. Monitor for respiratory depression. [Generic only: Injection 1 mg/mL, 5 mg/mL. Oral liquid 2 mg/mL.] ▶LK ♀D — ©IV \$

PROPOFOL (Diprivan) Induction: 40 mg IV q 10 sec until induction (2 to 2.5 mg/kg). ICU ventilator sedation: Infusion 5 to 50 mcg/kg/min. Deep sedation: 1 mg/kg IV over 20 to 30 sec. Repeat 0.5 mg/kg IV prn. ▶L ♀B D — \$

Local Anesthetics

NOTE: Risk of chondrolysis in patients receiving intra-articular infusions of local anesthetics following arthroscopic and other surgical procedures.

ARTICAINE (Septocaine, Zoracaine) 4% injection (includes epinephrine) up to 7 mg/kg total dose [4% (includes epinephrine 1:100,000).] ▶LK ♀C D? \$

BUPIVACAINE (Marcaine, Sensorcaine) Up to 2.5 mg/kg without epinephrine and up to 3.0 mg/kg with epinephrine [0.25%, 0.5%, 0.75%, all with or without epinephrine.] ▶LK ♀C D? \$ ■

EMLA (prilocaine—topical + lidocaine—topical) Topical anesthesia: Apply 2.5 g cream or 1 disc to region at least 1 h before procedure. Cover with occlusive dressing. [Generic/Trade: Cream (2.5% lidocaine + 2.5% prilocaine) 5, 30 g.] ▶LK ♀B D? \$\$\$