

Table 3. Recommended Agents for Specific Procedures

	FIRST LINE	ALTERNATIVES	NOTES
CT Head	Methohexital PR Thiopental PR Midazolam	Gentle restraint Parental hold Tylenol with codeine Benadryl	Use shielded parent when possible. Dim lighting in room. Discuss risk of sedation versus gentle restraint with parents.
CT—Other	Ketamine IV/IM	Methohexital PR Thiopental PR	Use shielded parent when possible. Dim lighting in room.
MRI	Methohexital PR Thiopental PR Pentobarbital IV/PR/PO	Propofol drip (if personnel available)	Using propofol for longer duration requires continuous monitoring by provider for duration of procedure
Exams—slit lamp/pelvic	Midazolam	Ketamine IV/IM	
Lumbar puncture	Midazolam	Oral sucrose (infants) Nitrous oxide	Age appropriate distraction helpful.
IV placement	EMLA	Nitrous oxide	
I&D	Ketamine IV/IM Midazolam + Fentanyl	Methohexital IV + Fentanyl	Use adjunctive local anesthetic
Laceration repair	Ketamine IV/IM Midazolam + fentanyl	Nitrous oxide	Use adjunctive local anesthetic
Fracture or joint reduction	Ketamine IV/IM Propofol + fentanyl Etomidate + fentanyl Methohexital IV + fentanyl	Midazolam + fentanyl Nitrous oxide (deep sedation)	Use adjunctive hematoma block where applicable