

CONTRAST MEDIA

MRI Contrast—Gadolinium-Based

NOTE: Avoid gadolinium-based contrast agents if severe renal insufficiency (GFR <30 mL/min/1.73 m²) due to risk of nephrogenic systemic fibrosis/nephrogenic fibrosing dermopathy. Similarly avoid in acute renal insufficiency of any severity due to hepatorenal syndrome or during the perioperative phase of liver transplant.

GADOBNATE DIMEGLUMINE (MultiHance) ▶K ♀C D? \$\$\$\$ ■

GADOBUTROL (Gadavist, *Gadovist) ▶K -♀C D? ©V \$\$\$\$ ■

GADODIAMIDE (Omniscan) ▶K ♀C D? ©V \$\$\$\$ ■

GADOPENTETATE (Magnevist) ▶K ♀C D? \$\$\$ ■

GADOTERIDOL (ProHance) ▶K ♀C D? \$\$\$\$ ■

GADOXETATE DISODIUM (Eovist) [single use vials] ▶KL ♀C D? unknown excretion, resume nursing 10 h after administration \$\$\$\$ ■

Radiography Contrast

NOTE: Beware of allergic or anaphylactoid reactions. Avoid IV contrast in renal insufficiency or dehydration. Hold metformin (Glucophage) prior to or at the time of iodinated contrast dye use and for 48 h after procedure. Restart after procedure only if renal function is normal.

BARIUM SULFATE (Varibar, E-Z HD, Liquid POLIBAR PLUS, E-Z CAT, Readi-CAT 2)

Noniodinated GI (e.g., oral, rectal) contrast: Dosage depends on indication and form, see package insert. ▶Not absorbed ♀; D+ \$\$\$\$

DIATRIZOATE (Cystografin, Gastrografin, Hypaque, MD-Gastroview, RenoCal, Reno-DIP, Reno-60, Renografin) **Iodinated, ionic, high-osmolality IV or GI contrast:**

Dosage varies based on study and form, see package insert. **Oral contrast for abdominal CT:** typical dose is 250 mL of solution made by diluting 25 mL of GI formulation (Gastrografin, MD-Gastroview) in 1 L of water. Have patient complete drinking 30 min prior to study. Avoid use if there is a risk of aspiration. ▶K ♀C D? \$

IODIXANOL (Visipaque) Nonionic, iso-osmolar, iodinated contrast for **intraarterial, intravenous use in CT imaging, urography, and venography.** Warning: not for intrathecal use. Dose: **Intraarterial / intravascular studies:** 320 mg/mL - 1 to 2 mL/kg not to exceed 4 mL/kg **Intravenous:** 270 mg/mL as 1 to 2 mL/kg, not to exceed 2 mL/kg. ▶K ♀B D? \$\$\$\$

IOHEXOL (Omnipaque) Nonionic, low-osmolar, iodinated contrast for **CT imaging—oral and IV, myelography (intrathecal), urography, peripheral and central angiography and venography.** Dosages vary depending on forms and type of study, see package insert. **Oral pass-thru examination of the GI tract:** Dosages vary depending on forms, however one example dose would be to mix 50 mL of Omnipaque 350 into 1 L of water and have patient drink 500 mL 1 h prior to study and remainder 30 min prior to study. Omnipaque 350 is not for intrathecal use. [Omnipaque 140, 180, 240, 300, 350] ▶K ♀B D? \$\$\$\$