

## **MRI CONTRAST AGENT DOSES FOR ADULTS**

### **IV CONTRAST**

- Clarisan/Dotarem – per weight-based protocol - 0.2 mL/kg up to 20 mL unless otherwise specified in a specific protocol.
- Gadavist – per weight-based protocol - 0.1 mL/kg up to 10 mL unless otherwise specified in a specific protocol.
- Multihance – per weight-based protocol - 0.2 mL/kg up to 20 mL unless otherwise specified in a specific protocol.
- Feraheme – per weight-based protocol - 2 mg/kg iron (up to 510 mg iron or 1 bottle Feraheme) diluted to 60 mL with sterile normal saline. Injected at 2 mL/sec followed by 40 mL saline flush. Feraheme is 30 mg iron per mL (510 mg iron per 17 mL bottle). Pharmacy handles making the contrast dilution using sterile water per USP797.

### **ORAL CONTRAST**

- Enterography – Oral CitraSelect or Volumen 450 mL bottle - 1 bottle 45 mins, 1 bottle 30 mins and 1 bottle 15 mins prior to the examination.
- Negative Oral Contrast – 450 mL pineapple juice consumed 30 mins prior to MRCP. Or 450 mL pineapple juice consumed 45 mins and another 450 mL consumed 20 mins prior to enterography. Use pineapple juice only if instructed to do so.

### **BLADDER CONTRAST**

- Rarely used/needed and only with radiologist approval.
- Contrast dilution is 4 mL Clariscan/Dotarem or 2 mL Gadavist diluted to 500 mL with sterile normal saline.
- Never use tap water for bladder contrast.
- Clamp the patient's Foley catheter prior to beginning examination.
- Fill the patient's bladder via Foley catheter under gravity with up to 300 mL of contrast mixture. Stop infusing contrast if the patient experiences significant pain.
- Remember to unclamp the Foley at the end of the examination.
- At St Vincents locations Pharmacy makes the contrast mixture using sterile normal saline per USP797 requirements.
- At Optimal locations only use sterile normal saline (never use tap water).