

CT CONTRAST AGENT DOSES FOR ADULTS

IV CONTRAST

- Routine Examinations - Administer 100 mL Omnipaque-300 unless another volume is specified in a particular protocol (i.e. weight-based protocols).
- Vascular CTA Examinations - Administer 100 mL Omnipaque-350 unless another volume is specified in a particular protocol (i.e. Omnipaque-300 for vein protocols).

ORAL CONTRAST

- Routine Examinations
 - 50 mL Omnipaque-240 diluted to 16 oz with tap water consumed at least 45 mins prior to examination. Alternative dilutions are 50 mL Omnipaque-300 or Omnipaque-350 diluted to 20 oz with tap water.
 - Do not give the contrast to patient to drink without it being diluted with water first. Undiluted oral contrast is dense and can cause significant streak artifact.
- Enterography Examinations
 - Oral CitraSelect or Volumen 450 mL bottle
 - 1 bottle 45 mins, 1 bottle 30 mins and 1 bottle 15 mins prior to the examination.
- Patients allergic to iodinated oral contrast can receive 1 bottle of Citra Select, Volumen, SilQ (barium sulfate) or Read-Cat (barium sulfate) at least 45 mins prior to the examination.

RECTAL CONTRAST

- Contrast dilution is 40 mL Omnipaque-300 diluted to 1000 mL with tap water. Alternative dilutions are 50 mL Omnipaque-240 or 34 mL Omnipaque-350 diluted to 1000 mL with tap water.
- If only concerned with the sigmoid colon and rectum, 300 mL of contrast mixture is usually sufficient.
- If evaluating the entire colon, 600-1000 mL is needed.
- Infuse the contrast under gravity and stop infusing if the patient experiences significant pain.
- Patients receiving rectal contrast frequently receive oral contrast as well.

BLADDER CONTRAST

- Contrast dilution is 20 mL Omnipaque-300 diluted to 500 mL with sterile normal saline. Alternative dilutions are 25 mL Omnipaque-240 or 17 mL Omnipaque-350 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).