

PEDIATRIC DOSE FOR CT ORAL CONTRAST AGENTS

- **Note: All CT oral contrast agent for children is ordered by Radiology. The following doses are recommended guidelines only. For questions, call Radiology at 301-496-7700 and ask for the CT Desk.**
- **NO ORAL CONTRAST** for patients undergoing sedation (if INTUBATION by the Anesthesia Department is a possibility)
- Keep patient NPO for 4 hours prior to the study—this will encourage the patient to drink the contrast when administered
- Oral contrast should be administered 1 hour prior to the exam and should approximate the normal feeding amount for infants. Administer one-half (1/2) to (2/3) of the recommended total volume (see below).
- Fifteen minutes prior to the exam, the patient should again be given the remaining one-third (1/3) to one-half (1/2) of the recommended total volume.

GASTROGRAFIN agents (e.g. MD-Gastroview) are diluted for each patient: one bottle (25 mL) of agent in 1000 mL water or a clear non-carbonated liquid (such as apple juice). Recommended volumes of diluted **GASTROGRAFIN** agents are adapted from Children's National Medical Center, Washington, D.C.

AGE	Total volume- diluted GASTROGRAFFIN product
Newborns	90 mL (3 ounces)
1 month - 1 year	90 – 240 mL (3 - 8 ounces)
1 - 5 years	240 – 480 mL (8 - 16 ounces)
5 - 10 years	480 – 780 mL (16 - 26 ounces)
10 - 16 years	780 – 840 mL (26 - 28 ounces)
16 years and older	Adult dose: 1000 mL

Note: For patients who are considerably small for age consider using a smaller volume.

BARIUM based agents (e.g. Mediscan oral suspension, RediCAT) are premixed. Recommended total volumes of **BARIUM** based agents are from EZ-EM Company.

AGE	Total volume- premixed BARIUM product
Newborns	60 - 90 mL (2 - 3 ounces)
1 month - 1 year	120 - 240 mL (4 - 8 ounces)
1 - 5 years	240 - 360 mL (8 - 12 ounces)
5 - 10 years	360 - 480 mL (12 - 16 ounces)
10 - 16 years	480 - 600 mL (16 - 20 ounces)
16 years and older	Adult dose: 675 or 750 mL

Note: For patients who are considerably small for age consider using a smaller volume.