

[!Update!](#)

Update (Mar 2024)

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Pediatric CT Oral Contrast Administration

It is important to mix the oral contrast as instructed to ensure proper dilution. Improper dilution may cause the contrast to be too dense and will create artifact on the CT scan. The CT scan may be cancelled if the oral contrast is too dense or if there is remaining barium from prior study.

Newborn -6 months	58 ml clear liquid	2 ml Isovue 370	1 dose
6 - 18 months	145 ml clear liquid	5 ml Isovue 370	1 dose
18 months - 2 years	200 ml clear liquid	8 ml Isovue 370	1 dose
2 - 6 years	200 ml clear liquid	8 ml Isovue 370	2 doses
6 - 12 years	300 ml clear liquid	12 ml Isovue 370	2 doses
12 years and above	480 ml clear liquid	20 ml Isovue 370	2 doses

Patient preparation for CT scan with oral contrast:

- Non – anesthesia - NPO 4 hours
- Pediatric Sedation Anesthesia – NPO 4 hours prior with check in to Imaging for oral contrast administration 3 hours prior to CT appointment. Followed by RN work up.

Note:

Mix contrast in clear liquids such as apple juice, water, 7-Up, Breeza.

Contrast can be administered PO, or via NG tube, G tube or J tube.

Single dose can be given over a period of 30 – 60 minutes.

If 2 doses, 1st dose 60 min before scan, 2nd dose 30 min before scan.

More time can be given if necessary.

Document amount of oral contrast on MAR.

Prior barium studies cannot be scheduled or done 72 hours before CT appointment. If there are questions, contact CT technologist or Radiologists.