

!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.

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

### 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, 1<sup>st</sup> dose 60 min before scan, 2<sup>nd</sup> 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.