

## Oral Contrast Dosage Chart 03/23/2015

*If patient is allergic to Iodine notify Radiologist*

*Attached Chart is for patients weighing up to 36kg. Patients over 36kg will receive maximum dose. See below*

- Round weight to nearest whole kilogram
- Diluents may be non-carbonated beverage or water (formula or milk if newborn to 6 months). Give by mouth.

**Preferred Method for Emergency Room Patients:** *No water or positive oral contrast shall be given prior to the scan unless specifically indicated in the scan protocol, requested by the ordering physician, or directed by the radiologist.*

**Preferred Method for Outpatient Imaging Patients:** Water will be administered to the patient just prior to scanning. Please have the patient drink 2 cups ~16ounces of water.

**2% Barium Sulfate:** *can be used if patient is allergic to iodine*

- Maximum dose of 700ml.(Do not dilute)
- Patient drinks during the amount of time specified by the CT Technologist. (Dependent on type of study performed)

### **Adult Dosing**

**Omnipaque must be diluted before administration**

- 50ml vial: Distribute 25ml of contrast in 12oz of water or non-carbonated beverage x 2 cups for a total dose of 50ml in 24oz.
- Patient drinks both cups consecutively at the time specified by the CT Technologist. (Dependent on type of study performed)

### **Pediatric Dosing**

**Omnipaque must be diluted before administration**

**Pedi calculation =  $0.86 \text{ ml/kg} \times 30\text{ml}$ : For this patient  $0.86\text{ml} \times (\text{weight}) \text{ kg} = \underline{\hspace{1cm}}$  ml (of Omnipaque needed)  $\times 30\text{ml} = \underline{\hspace{1cm}}$  Total volume ml** (Total Volume is the dose of omnipaque, plus the diluents needed for the final dose for this patient.)

***Diluents may be noncarbonated beverage or water (formula or milk may be used.)***

- ***Max patient weight for this formula is 36kg. If patient weight is 36kg or greater, the patient will receive the maximum dose of Oral Omnipaque specified on the dosage chart.***

**The time and rate of administration will be communicated by the CT Technologist based on the following time schedule.**

- **0-10 kg drinks oral prep over thirty minutes**
- **10-20kg drinks oral prep over one hour (1)**
- **20kg or greater drinks oral prep over one to one and a half hours (1.5)**

## Pediatric Oral Contrast Dosage Chart

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*Chart is for patients weighing up to 36kg. Patients over 36kg will receive maximum dose. See below*

- Round weight to nearest whole kilogram
- Diluents may be non-carbonated beverage or water (formula or milk if newborn to 6 months). Give by mouth.

Weight in KG	Oral Omnipaque 240-300	Amount of Diluent	Total Volume (Omni plus Diluent)
1	1	25	26
2	2	49	51
3	3	75	78
4	3	99	102
5	4	125	129
6	5	151	156
7	6	174	180
8	7	200	207
9	8	223	231
10	9	249	258
11	10	275	285
12	10	299	309
13	11	325	336
14	12	348	360
15	13	377	390
16	14	400	414
17	15	423	438
18	15	450	465
19	16	473	489
20	17	499	516
21	18	522	540
22	19	551	570
23	20	574	594
24	21	597	618
25	22	623	645
26	22	650	672
27	23	673	696
28	24	696	720
29	25	725	750
30	26	748	774
31	27	774	801
32	28	797	825
33	28	824	852
34	29	847	876
35	30	870	900
36	31	899	930
<b>&gt;36</b>	<b>31</b>	<b>899</b>	<b>930</b>

Formula used in calculations: Omnipaque 240 0.86ml/kg X Pt Kg weight = Omnipaque amount (mls)

Omnipaque amount (mls) x 30mls diluent = Total volume Total volume – Omnipaque vol = Diluent volume (mls)