

Pediatric Dosing Problems

Dosing answers should be in ml and tsp. Feedings should be in ml.

Conversions:

5ml : 1 tsp

2.2 lbs : 1 kg

30ml : 1 oz

Feeds are q3 hrs

1a. 2 yr old male has a fever 102.3F. What is the dose of Motrin (ibuprofen)?

Wt: 26lb 4oz

ibuprofen 100mg/5ml

Dosing: 10mg/kg/dose q 6 hrs

1b. What is the dose of Tylenol (acetaminophen)?

Tylenol: 160mg/5ml

Dosing: 15mg/kg/dose q 4 hrs

2. 4 yr old female has MRSA abscess. What is the dose of Clindamycin?

Wt: 39lbs 9oz

Clindamycin: 75mg/5ml

Dosing: 25mg/kg/day divided q8hrs

3. 6 day old 32wk infant on full NG feeds. What should the volume per feed be and what is total kcal/kg/day at this volume?

Wt: 1986 grams

Formula: Neosure (22kcal/oz)

Volume: 160ml/kg/day

4a. 12 day old former 34 2/7 wk infant is feeding well every 3 hrs according to the parents but not gaining wt. They brought their feeding log with them.

What ml/kg/day and kcal/kg/day is the infant receiving?

Wt: 2.3 kg

Formula: Similac (20kcal/oz)

Feeds last 24hrs: 40ml, 45ml, 48ml, 42ml, 42ml, 46ml, 44ml, 42ml

4b. What should the feeds be every 3 hrs for the patient to receive 120 kcal/kg/day?