

Pediatric Dosage Calculations

Practice Question #1

350mg of ceftriaxone mixed in 25ml of NS.
 recommended range 10mg - 40mg per ml
 $\frac{350\text{mg}}{25\text{ml}} = 14\text{mg}$ yes the dilution fall in recommended range

Practice Question #2

med levanthidine 12mg mixed in 10 ml
 which is the concentration
 $\frac{12\text{mg}}{10\text{ml}} = 1.8\text{mg}$

Practice Question #3

penicillin: 200-300mg/kg/day
 4 doses 4 doses
 4-6 hrs

Practice Question #4

ug 20 kg
 50-75 mg/kg/day or 12hrs
 $20 \times 20 = 400\text{mg}$
 $50 \times 20 = 1000$
 $75 \times 20 = 1500$
 1,000-1500 yes the prescribed medication is in the recommended age

Practice Question #5

Recommended range?
 $200 \times 30 = 6,000$
 $300 \times 30 = 9,000$
 B. 1200 mg every 4 hours
 24
 1,000 =
 1500 =
 2,250