

Review workshop Sep 11th

1. The initial dose of chlorambucil is 150 microgram/kg of the body weight once a day. How many mg should be administered to a person who weighs 154 lb?
 - a. 150 mg
 - b. 10.5 mg
 - c. 10500 g
 - d. 10.5 g

2. The usual dose of sulfisoxazole for infants over 2 months and children is 60-75 mg/kg. What would be the dose range for a child weighing 44 lb?
 - a. 120- 150 mg/day
 - b. 1.2-1.5 gram/day
 - c. 600-750 mg/day
 - d. 2400-3300 g/day

3. Rx
Boric Acid 300 mg
Pure Water qs ad 15 mL
Dispense 30 ml
what is the boric acid % in the solution?
 - a. 1%
 - b. 100 mg%
 - c. 2%
 - d. 200 %
 - e. None of the above

4. You need 30 mg of a drug. How many milliliters of 1: 500 w/v stock solution should be used?
 - a. 25 mL
 - b. 15 L
 - c. 15 mL
 - d. 250 mL
 - e. 500 mL
 - f. None of the above

5. What is % w/v of hydrochloric acid 35.4% w/w, (Specific gravity 1.16)?
 - a. 24
 - b. 41.64
 - c. 30.5
 - d. 45.2

6. Rx
Zinc Oxide 10 grams
Sulfur cream 5% 20 grams
what is the percentage Zinc Oxide in the final preparation?
 - a. 7.5%
 - b. 5%
 - c. 2.5%
 - d. 33.3%

7. The usual dose of a drug is 33 mg/kg/day divided into 3 equal doses. How many milliliters of 30 % (w/v) solution of the drug should be administered to a patient weighing 110 lb ?
- 1.8 ml
 - 1833 ml
 - 20 ml
 - 5.5 ml
8. If you have a 250 grams of morphine trituration with a ratio strength of 1:5 and you need 25 mg of morphine weighed with 95% accuracy, can you use the provided trituration?
- Yes
 - No
9. Lidocaine is provided in prefilled syringe of 100 mg in total volume of 10 mL. The drug concentration is
- 0.01%
 - 0.1%
 - 1%
 - 10%
10. A preparation of liquid vitamin contains 0.15 microgram in 5 mL what is the ratio strength?
- 1:33,333,333
 - 1:3,333,333
 - 1:333,333
 - 1:33,333
11. Lidocaine is provided in prefilled syringe of 100 mg in total volume of 10 mL. If the recommended pediatric dose is 2 to 3 mg/kg, a 44 lb child receiving 5 mL is getting...
- Correct dose
 - High dose
 - Low dose

12. Rx

Lactic acid

Salicylic Acid aa 1.5 g

Flexible Collodion qsad 15 mL

Sig: Apply one drop to wart twice a day

Lactic acid is available as (85 g acid in 100 g solution, Sp g =1.21. Calculate the number of mL needed to fill the prescription.

- 1.76 ml
- 1.46 ml
- 0.73ml
- 0.88 ml
- None of the above

13. Regimen

Cycle: 28 d; repeat 2-8 cycles

Vinorelbine, 25 mg/m², IV, D 1, 8, 15, 22

Cisplatin, 100 mg/m², IV, D 1.

Calculate the total dose of each drug/ cycle for 4 ft, 5 in height and 110 lb patient.

A) The BSA=

a. 1.35 m²

b. 8.0 m²

c. 1.10 m²

14. Regimen

Cycle: 28 d; repeat 2-8 cycles

Vinorelbine, 25 mg/m², IV, D 1, 8, 15, 22

Cisplatin, 100 mg/m², IV, D 1.

calculate the total dose of each drug/ cycle for 4 ft, 5 in height and 110 lb patient...

The Vinorelbine received/ cycle=

a. 1080 mg

b. 135 mg

c. 33.75 mg

d. 79 mg

15. Regimen

Cycle: 28 d; repeat 2-8 cycles

Vinorelbine, 25 mg/m², IV, D 1, 8, 15, 22

Cisplatin, 100 mg/m², IV, D 1.

calculate the total dose of each drug/ cycle for 4 ft, 5 in height and 110 lb patient...

The Cisplatin received/ cycle=

a. 1080 mg

b. 135 mg

c. 33.75 mg

d. 79 mg

Extra problems

Rx

Salicylic acid

Sulfur aa 6 g

Oil 4 ml

Petrolatum q.s ad 120 g

16. How many grams of petrolatum are required to fill the following prescription? (The density of the oil is 0.8 g/mL).

17. Suggest an appropriate container size, if the final product density is 1.2 g/mL

a. 30 mL (1 fl oz)

b. 90 mL (3 fl oz)

c. 120 mL (4 fl oz)

18. Cytarabine + Idarubicin

Cytarabine (Ara-C) 100 mg/m²/d *civi D1-7

Idarubicin 12 mg/m²/d iv D1-3