Body Surface Area Calculations

Questions:

1. A child has a BSA of 0.75 m^2. The doctor orders a medication at 30 mg/m^2. How many mg should you administer?

2. A patient has a BSA of 1.2 m^2. The prescribed dose is 25 mg/m^2. How many mg should be given?

3. The physician orders 50 mg/m^2 for a patient with a BSA of 1.5 m^2. Calculate the dose in mg.

4. A child with a BSA of 0.6 m^2 is prescribed a drug at 40 mg/m^2. How many mg should you administer?

5. A patient has a BSA of 1.8 m^2. The medication is ordered at 35 mg/m^2. What is the total dose in mg?

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Questions (Continued):

6. The doctor prescribes a dose of 20 mg/m² for a patient with a BSA of 0.9 m². Calculate the dose in mg.

7. A patient with a BSA of 2.0 m² requires a drug at 15 mg/m². How many mg should be administered?

8. A child has a BSA of 0.5 m² and needs a medication at a dose of 45 mg/m². What is the total dose in mg?

9. The order is for 10 mg/m² for a patient with a BSA of 1.3 m². How many mg should you administer?

10. A patient has a BSA of 1.6 m². The physician orders a drug at 60 mg/m². Calculate the dose in mg.

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Answers:

1. 22.5 mg. (0.75 m^2 × 30 mg/m^2 = 22.5 mg)

2. 30 mg. (1.2 m^2 × 25 mg/m^2 = 30 mg)

3. 75 mg. (1.5 m^2 × 50 mg/m^2 = 75 mg)

4. 24 mg. (0.6 m^2 × 40 mg/m^2 = 24 mg)

5. 63 mg. (1.8 m^2 × 35 mg/m^2 = 63 mg)

6. 18 mg. (0.9 m^2 × 20 mg/m^2 = 18 mg)

7. 30 mg. (2.0 m^2 × 15 mg/m^2 = 30 mg)

8. 22.5 mg. (0.5 m^2 × 45 mg/m^2 = 22.5 mg)

9. 13 mg. (1.3 m^2 × 10 mg/m^2 = 13 mg)

10. 96 mg. (1.6 m^2 × 60 mg/m^2 = 96 mg)