



Conversions – Children’s Dosages

Chapter 6 Worksheet G

You’ll need to memorize the following formulas:

Clark’s Rule:

$$\frac{\text{Child's Weight (lbs)} \times \text{Adult Dose}}{150}$$

Young’s Rule:

$$\frac{\text{Child's Age} \times \text{Adult Dose}}{\text{Child's Age} + 12}$$

BSA Method:

$$\frac{\text{BSA (m}^2\text{)} \times \text{Adult Dose}}{1.73}$$

1a) A 4 year old child weighing 46 lbs and a surface area of 0.44 m² is given a prescription for mycophenolic acid. The adult dose for mycophenolic acid is 360 mg. According to Clark’s Rule what is the appropriate dose?

- A) 110.4 mg
- B) 84.7 mg
- C) 91.6 mg
- D) 95.3 mg

1b) According to Young’s Rule what is the appropriate dose?

- A) 110.4 mg
- B) 84.7 mg
- C) 90 mg
- D) 95.3 mg

1c) According to the Surface Area Rule what is the appropriate dose?

- A) 110.4 mg
- B) 84.7 mg
- C) 91.6 mg
- D) 95.3 mg

2a) A 5 year old child weighing 40 lbs and a surface area of 0.49 m² is given a prescription for trazodone. The adult dose for trazodone is 150 mg. According to Clark’s Rule what is the appropriate dose?

- A) 42.5mg
- B) 44.1mg
- C) 40mg
- D) 43.5mg

2b) According to Young’s Rule what is the appropriate dose?

- A) 42.5mg
- B) 44.1mg
- C) 40mg
- D) 43.5mg

2c) According to the Surface Area Method what is the appropriate dose?

- A) 42.5 mg
- B) 44.1 mg
- C) 40 mg
- D) 43.5 mg

3a) A 13 year old child weighing 140 lbs and a surface area of 1.42 m² is given a prescription for APAP. The adult dose for APAP is 650 mg. According to Clark’s Rule what is the appropriate dose?

- A) 542.3 mg
- B) 533.5 mg
- C) 497.1 mg
- D) 606.7 mg

3b) According to Young’s Rule what is the appropriate dose?

- A) 338.0 mg
- B) 533.5 mg
- C) 497.1 mg
- D) 606.1 mg

3c) According to the Surface Area Method what is the appropriate dose?

- A) 542.3 mg
- B) 533.5 mg
- C) 497.1 mg
- D) 606.1 mg