GERMANNA
ACADEMIC CENTER
FOR EXCELLENCE

Nursing Conversions and Formulas

15 gtt = 1 mL 15 mL = 3 tsp = 1 T 1 mg = 1000 mcg

60 mg = gr 1 1 g = gr 15 2.2 lb = 1 kg = 1000 g

2.54 cm = 1 in 30 mL = 2 T = 1oz = ʒ 8 (drams)

$F = \frac{9}{5} C + 32$ or F = 1.8 C + 32

$C = \frac{5}{9} (F - 32)$ or $C = \frac{(F - 32)}{1.8}$

$\frac{V_1 \text{ (mL)}}{T_1 \text{ (minutes)}} \times V_2 \text{ drop factor} \left(\frac{gtt}{mL}\right) = \text{Drip Rate} \left(\frac{gtt}{min}\right)$

$\frac{BSA}{1.7\ m^2} \times \text{Adult Dose} = \text{Child's Dose}$

$BSA = \sqrt{\frac{kg \times cm}{3600}}$ $BSA = \sqrt{\frac{lb \times in}{3131}}$

gr $\frac{1}{100}$ = 0.6 mg gr $\frac{1}{120}$ = 0.5 mg

gr $\frac{1}{150}$ = 0.4 mg gr $\frac{1}{200}$ = 0.3 mg

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