

APPENDIX C - DRIP CHART & CONVERSIONS

2.2 lbs = 1 kg (patient weighs 150lbs, $150/2.2 = 68\text{kg}$)

5 cc = 1 tsp

15 cc = 1TBS or 3 tsp

Gtts/ml = Drops per milliliter

Gtts/min = Drops per minute

Convert grams to milligrams: $_\text{gm} \times 1000 = __\text{mg}$

Convert liters to milliliters: $_\text{L} \times 1000 = __\text{ml}$

Convert milligrams to grams: $_\text{mg}$ divided by 1000 = $__\text{gm}$

Convert milliliters to liters: $_\text{ml} \div 1000 = __\text{L}$

Drip Set	How many time periods does the drip set have in one hour?	Calculation 60 ml/hour
60 gtts/ml	1 (there is 1 - 60 minute period in an hour)	$60 / 1 = 60$ gtts/min
20 gtts/ml	3	$60/3 = 20$ gtts/min
15 gtts/ml	4	$60/4 = 15$ gtts/min
10 gtts/ml	6	$60/6 = 10$ gtts/min

Dopamine 5 – 7 mcg/kg/min	
Using a 250ml bag of NS and 400mg vial of Dopamine with a 220lbs (100kg) patient.	
5 mcg/kg/min	19 gtts/min
6 mcg/kg/min	23 gtts/min
7 mcg/kg/min	26 gtts/min
The Math: $7 \times 100 \times 60 = 4200/1600 = 26$ gtts/min	

Lidocaine 2 – 4 mg/min	
Using a 500 ml of NS and 2 Grams of Lidocaine $\times 1000 = 2000$ mg.	
2 mg/min	30 gtts/min or 1 drop every other second.
4 mg/min	60 gtts/min or 1 drop every second.
The Math: 2000 mg of Lidocaine divided by 500 ml of NS = 4mg/ml For every 60 drops = 4mg of Lidocaine (a drop a second) For every 15 drops = 1 mg of Lidocaine (a drop every 0.5 seconds) For every 30 drops = 2 mg of Lidocaine (a drop every other second) For every 45 drops = 3mg of Lidocaine (a drop every 1.5 seconds)	