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# CRITICAL LAB VALUES

Lab Values		Critical Values
<b>BMP-</b>		
Calcium	8.6 - 10 mg/dl	≤ 6 mg/dl, ≥ 13 mg/dl
Cl-	99 - 109	< 80, > 115 mEq/L
Gluc.	74 - 106 mg/dl	< 40, > 450 mg/dl
K+	3.5 - 5.5	< 2.8, ≥ 6.2
Na++	132 - 146 mEq/L	≤ 120, ≥ 160 mEq/L
BUN	9 - 23	≥ 80 mg/dl
Creat.	Female Male 0.5 - 1.1 mg/dl, 0.7 - 1.3 mg/dl	> 4 mg/dl
Total Protein	6.4 - 8.3 g/L	
Albumin	3.2 - 4.8 g/L	

<b>CBC</b>		
Hgb	12.0 - 16.0	≤ 6.0 g/dl, ≥ 20 g/dl
Hct	Female Male 37 - 47, 40 - 54	≤ 18%, > 60%
WBC	5.2 - 12.4	≤ 2.0, ≥ 30,000
RBC	Female Male 4.2 - 5.4, 4.6 - 6.19	
Platelets	130,000 - 400,000	≤ 40,000, ≥ 999,000
Ultra-Troponin	0.006 - 0.039	0.040 - 0.779 (high) > 0.78 (Critical)

<b>Serum Drug Levels</b>		
Carbamazepine (Tegretol)	4 - 10 mcg/ml	> 15 mcg/ml
Digoxin (Lanoxin)	0.8 - 2.0 mg/dl	> 2.0 mg/dl
Gentamycin	peak - 5 - 10 mcg/ml valley - < 2.0 mcg/ml	> 10 mcg/ml
Phenobarbital	15 - 40 mcg/ml	> 40 mcg/ml
Phenytoin (Dilantin)	10 - 20 mcg/ml	> 20 mcg/ml
Theophylline (Aminophyllin)	10 - 20 mcg/ml	> 20 mcg/ml
Tobramycin	peak - 5 - 10 mcg/ml valley - 0.5 - 2.0 mcg/ml	> 10 mcg/ml
Valproic Acid (Depakene)	50 - 100 mcg/ml	> 125 mcg/ml
Vancomycin	peak - 25 - 40 mcg/ml valley - 5 - 15 mcg/ml	> 30 mcg/ml

<b>Anticoagulant Related and Clotting</b>		
PT	9.0 - 11.7 sec.	> 80 sec.
INR (Coumadin)	0.9 - 1.2	> 6
PTT (Heparin Monitoring)	55.0 - 75.0 sec.	> 70 sec.
APTT (therapeutic)	23.3 - 31.9 sec.	SJH ≤ 19 sec, ≥ 100 SJE No Low, ≥ 100
Fibrinogen Level	203 - 377 mg/dl	≤ 100.0, ≥ 600.0 mg/dl

<b>ABG's -norms:</b>					
pH	7.35 - 7.45	P O <sub>2</sub>	80 - 100	BE	-2 /+2
P CO <sub>2</sub>	35 - 45	HCO <sub>3</sub>	22 - 26	O <sub>2</sub> sat	> 95

Source: 24nurse

