PAML

Critical and Super-Critical Values

reviewed 5/12/2010

TEST	LOW	HIGH	REFERENCE RANGE	UNITS
SUPER-CRITICAL VALUES				
Protime "INR"		6.0 or Greater	0.9 - 1.2	
Usual oral anticoag range			2.0 - 3.0	
High level oral anticoag range			2.5 - 3.5	
Sodium	LT 115	GT 165	135 -145	mmol/L
Potassium	LT 2.5	GT 7.0	0-30 days 3.9-6.9	mmol/L
			1-12 mo 3.6-6.8	
			1-5 yrs 3.2-5.7	
			5-10 yrs 3.4-5.4	
			10 yrs+ 3.5-5.3	
Glucose	LT 30	GT 700	Adult: 65 - 99 Pregnant Adult: 65-94	mg/dL
Calcium	LT 5	GT 15	8.5 - 10.5	mg/dL
Total Bilirubin (Pediatric)		GT 11.9	0 - 30 days LT 11.7	mg/dL
			1 mo. - 18 yrs LT 2.0	
			18 - 60 yrs 0.1 - 1.5	
			60 - 90 yrs 0.2 - 1.1	
			90 yrs+ 0.2 - 0.9	
HEMATOLOGY				
Hematocrit	LT 19	GT 65	Male: 40 - 50	%
			Female: 35 - 46	%
Hemoglobin	LT 6.7	GT 23	Male: 13.7 - 16.7	g/dL
			Female: 11.6 - 15.5	g/dL
WBC	LT 1.0	GT 50	4.0 - 11.0	K/uL
Platelet Count	LT 30	GT 1,000	150 - 400	K/uL
CRITICAL VALUES				
CHEMISTRY:				
Total Bilirubin (Pediatric)		GT 11.9		mg/dL
Calcium	LT 6	GT 14	8.5 - 10.5	mg/dL
Total CO2	LT 10	GT 40	0-10 days 13-22	mmol/L
			11 days-4 yrs 20-28	
			5+ yrs 22-31	
CPK		GT 5000	Male: 25 - 287	U/L
			Female: 20 - 200	
Creatinine		GT 6.0	Male: 0.5 - 1.3 Female: 0.4 - 1.0	mg/dL
Glucose	LT 40	GT 500	Adult: 65 - 99	mg/dL
			Pregnant Adult: 65 - 94	mg/dL
Potassium	LT 3.0	GT 6.1	0-30 days 3.9-6.9	mmol/L
			1-12 mo 3.6-6.8	
			1-5 yrs 3.2-5.7	
			5-10 yrs 3.4-5.4	
			10 yrs+ 3.5-5.3	
Magnesium	LT 1.0	GT 7.0	1.5 - 2.4	mg/dL
Sodium	LT 120	GT 160	135 - 145	mmol/L
Urea Nitrogen		GT 90	7 - 23	mg/dL
Blood Lead		GT 70	LT 40 (Adult)	ug/dL
Phosphorus	LT 1.0	GT 8.9	0-10 days 4.2-9.6	mg/dL
			10 days-24 mo 4.2-7.2	
			24 mo-12 yrs 4.2-5.9	
			12-60 yrs 2.5-4.8	
			60 yrs+ M 2.1-3.9	
			60 yrs+ F 2.6-4.4	

Troponin		GT 0.29		ng/ml
VitD2D3 by LC/MS/MS		Peds (under 18):≥ 80 Adult: ≥150		ng/ml
Sirolimus		≥ 25		ng/ml
Tacrolimus		≥ 25		ng/ml
Cyclosporin A		> 600		ng/ml
COAGULATION				
Protime			Nonmedicated: 11.9 - 15.0	sec
INR		GT 4.5	0.9 - 1.2	
Usual oral anticoag range			2.0 - 3.0	
High level oral anticoag range			2.5 - 3.5	
PTT		GT 110	26 - 35	sec
URINALYSIS/BODY FLUIDS				
Ketoacidosis				
Glucose		GT 500	Negative	mg/dL
Ketones		GT 40	Negative	mg/dL

PAML TOXIC AND THERAPEUTIC VALUES

DRUG		TOXIC	THERAPEUTIC	UNITS
ANTICONVULSANTS				
Carbamazapine (Tegretol)		GT 15	4-12	ug/mL
Ethosuximide (Zarontin)		GT 100	40 - 100	ug/mL
Phenobarbital (Luminal)		GT 50	15 - 40	ug/mL
Phenytoin (Dilantin)		GT 25	10-20	ug/mL
Primidone (Mysoline)		GT 15	5-12	ug/mL
Valproic Acid (Depakene)		GT 150	50 - 100	ug/mL
ANTI-ARRYTHMICS & CARDIAC GLYCOSIDES				
Digitoxin		GT 35	10-32	ng/mL
Digoxin		GT 2.5	0.8 - 2.0	ng/mL
Disopyramide (Norpace)		GT 7	2-5	ug/mL
Lidocaine		GT 6	1.5 - 5.0	ug/mL
Procainamide & NAPA		GT 40	10-30	ug/mL
Procainamide (Pronestyl)		GT 16	4-10	ug/mL
Quinidine		GT 7	2-5	ug/mL
ANTIBIOTICS				
Amikacin	Trough	GT 8	4-8	ug/mL
	Peak	GT 35	10-30	ug/mL
Chloramphenicol		GT 25	10-20	ug/mL
Gentamicin	Trough	GT 2	1-2	ug/mL
	Peak	GT 12	5-10	ug/mL
Tobramycin	Trough	GT 2	1-2	ug/mL
	Peak	GT 12	5-10	ug/mL
Vancomycin	Trough	GT 25	5-15	ug/mL
	Peak	GT 50	25 - 40	ug/mL
BRONCHODILATOR				
Theophylline		GT 20	10-20	ug/mL
ANTI-INFLAMMATORY / ANALGESIC				
Acetominophen		GT 150	10-25	ug/mL
Salicylate		GT 15	2-10	mg/dL
		GT 150	20 - 100	ug/dL
IMMUNOSUPPRESSANT				
Cyclosporin	HPLC	GT 600	100 - 200 Kidney	ng/mL

			200 - 300 Pancreas, liver, & heart	ng/mL
	TDX	GT 600	150 - 250 all transplants	ng/mL
PSYCHOACTIVE				
Amitriptyline (Elavil) & Nortriptyline		GT 499	80 - 220	ng/mL
Desipramine (Norpramine)		GT 499	150 - 300	ng/mL
Doxepin (Sinequan)		GT 499	150 - 250	ng/mL
Imipramine (Tofranil) & Desipramine		GT 499	150 - 250	ng/mL
Lithium		GT 2.0	0.5 - 1.5	mmol/L
Nortriptyline (Aventyl)		GT 499	50 - 150	ng/mL
Protriptyline		GT 400	70 - 240	ng/mL