

مقادیر بحرانی بخش بیوشیمی

Biochemistry		High	low
Ammonia Adult		None	>40 μ mol /L
Amylase		None	>200 U/L
Arterial pCO ₂		<20 mm Hg	>75mm Hg
Arterial pH		<7.10 units	>7.59 units
Arterial pO ₂ (adult)		<40 mm Hg	None
Arterial pO ₂ (newborn)		<37 mm Hg(SD=7)	92mm Hg(SD=12)
Bicarbonate		<10 m Eq /L	>40 mEq/L
Bilirubin, total (Newboms)		None	>15 mg/Dl
Calcium		<6 mg /Dl	>13.0 mg/Dl
Carbon dioxide		<11 mEq/L	>40 mEq/L
Cardiac troponin	cTnT	None	>0.1μg/L
	CTnI	None	>1.6μg/L
Chloride		<80 mEq/L	>115 mEq/L
Cretine kinase (CK)		None	>3-5×ULN
CK –MB		None	>5% or ≥ 10 μg/L
Creatinine	Adult	None	>5.0 mg/Dl
	UP to 1 mont		≥1.5
	1m-2yrs		≥2
	2yrs-11		≥2.5
Glucose		<45 mg/dL	>450mg/dL
Glucose (new borns)		<30mg/ dL	>300 mg/dL
Magnesium		<1.0 mg/ dL	>4.7 mg/Dl
Phosphorus		<1.1 mg/dL	None

Biochemistry	High	low
Potassium (new borns)	<2.5mEq/L	>8.0 mEq/L
Potassium	<2.8 mEq/L	>6.2mEq/L
Sodium	<120 mEq/L	>160 mEq/L
Urea nitrogen (BUN) (except dialysis patients)	2mg/dL	>100 mg/dL

Cerebrospinal fluid (CSF)

Biochemistry		low	High
Glucose		<80 % of blood level	
Protein , total		None	>45 mg/dL
White blood cells (WBCs) in CSF		None	>10 μ L
Positive bacterial stain	(e.g, Gram, acid-fast), Antigen Detection culture or india Ink preparation		
Presence of malignant cells or blasts or any other body fluid			

Imonogolubina

Biochemistry	Value	Comment
IgG	mg/dl 200>	month 1-0
	mg/dl 150>	months 2-5
	mg/dl 200>	months 6-11
	mg/dl 250>	yrs 1-150
IgA	any ago 7>	mg/d
	adult 20>	mg/dll
IgE	2000<	Mg/dl
IgM	any ago 15>	Mg/dl

Therapeutic Drugs

Biochemistry	Blood level
Acetaminhenicolophen	>150 µg/mL
Carbamazepine	>20 µg/mL
Chloramphenicol	>50 µg/mL (peak)
Digoxin	>2.5 ng/ml
Digitoxin	>35 ng/ml
Ethosuximide	>200 µg/mL
Gentamicin	>12 µg/mL
Imipramine	>400 ng/ml
Lidocaine	>9 µg/mL
Lithium	>2 m Eq /L
Phenobarbital	>60 µg/mL
Phenytoin	>40 µg/mL
Primidone	>24 µg/mL
Quinidine	>10 µg/mL

Reference:

- Interpretation of Diagnostic Tests (Jacques Wallach, MD), Eighth Edition.
- WWW.Aruplab.com
- www.mayomedicallaboratories.com