ISHITA
KANODIA

BRIs:

Glucose:

- Fasting ⇒ < 100 mg/dL
- Postprandial ⇒ < 140 mg/dL
- Random ⇒ 80 – 140 mg/dL.

Urea:

- Blood urea ⇒ 15 – 45 mg/dL
- BUN ⇒ 7 – 20 mg/dL

{more in males, increases with age & high protein diet, decreases in pregnancy (due to hemodilution)}

Serum Proteins:

- Total proteins ⇒ 6 – 8 g/dL
- Serum Albumin ⇒ 3.5 – 5 g/dL
- Serum globulin ⇒ 2.5 – 3.5 g/dL
- A : G ratio ⇒ 1.5 : 1 to 2.5 : 1

Cholesterol:

- Triglycerides ⇒ < 150 mg/dL
- Total cholesterol ⇒ < 200 mg/dL
- LDL ⇒ < 100 mg/dL
- HDL ⇒ Low: < 40 mg/dL
  - High: ≥ 60 mg/dL

Serum Bilirubin:

- Total ⇒ 0.2 – 1 mg/dL
- Conjugated (Direct) ⇒ 0.1 – 0.4 mg/dL
- Unconjugated (Indirect) ⇒ 0.2 – 0.6 mg/dL

Serum Calcium:

- Total ⇒ 8.5 – 10.5 mg/dL
- Ionized ⇒ 4.5 – 5.6 mg/dL

Serum Inorganic Phosphate:

- Adults ⇒ 2.5 – 4.5 mg/dL
- Children ⇒ 4 – 7 mg/dL

{Fasting levels are higher than postprandial values as phosphorus enters the cells for carbohydrate metabolism after a meal.}

Serum Aminotransferases:

AST: male : 5 - 35 IU/L

Female : 5 - 31 IU/L

ALT: male : 5 - 45 IU/L

Female : 5 - 34 IU/L

AST/ALT Ratio (De Ritis Ratio) ⇒

Normal = 0.8

Serum Alkaline Phosphatase:

Adult ⇒ 20 - 145 IU/L

Pediatric ⇒ 375 IU/L

Serum Uric acid: 3 - 7 mg/dL

Creatinine:

Urinary creatinine ⇒ 1 - 2 g/day

Creatinine Clearance ⇒ Male : 85 - 125 mL/min

Female : 80 - 115 mL/min

(more in males due to increased muscle mass)