

Name : Mr. VIJAY BARWA
 PID No. : MED210053649
 SID No. : 80974132
 Age / Sex : 37 Year(s) / Male
 Type : OP
 Ref. Dr : DR. SILWANT EKKA

Register On : 21/06/2024 10:54 AM
 Collection On : 21/06/2024 11:02 AM
 Report On : 23/06/2024 6:13 PM
 Printed On : 16/07/2024 12:48 PM



Investigation	Observed Value	Unit	Biological Reference Interval
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood/Automated ESR analyser)	60	mm/hr	< 15
Complete Blood Cell Count			
RDW (Blood)	21.5	%	13 - 17
Haemoglobin (EDTA Blood/Automated Blood cell Counter)	6.7	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Automated Blood cell Counter)	20.7	%	42 - 52
RBC Count (EDTA Blood/Automated Blood cell Counter)	2.58	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Automated Blood cell Counter)	80.4	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Automated Blood cell Counter)	25.9	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Automated Blood cell Counter)	32.2	g/dL	32 - 36
Platelet Count (EDTA Blood/Automated Blood cell Counter)	2.41	lakh/cu.mm	1.4 - 4.5
Total Leukocyte Count (TC) (EDTA Blood/Automated Blood cell Counter)	11830	cells/cu.mm	4000 - 11000
Diferential Leucocyte Count			
Neutrophils (Blood)	84.1	%	40 - 75
Lymphocytes (Blood)	5.8	%	20 - 45
Eosinophils (Blood)	6.4	%	01 - 06
Monocytes (Blood)	3.2	%	01 - 10
Basophils (Blood/Automated Blood cell Counter)	0.5	%	00 - 02



Praveen Kumar
 DR. PRAVEEN KUMAR (M.B.B.S.D.C.P)
 CONSULTANT PATHOLOGIST
 REG. NO. JCMR-2398
 APPROVED BY

The results pertain to sample tested.

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Investigation	Observed Value	Unit	Biological Reference Interval
Calcium (Serum/Arsenazo III)	8.5	mg/dL	8.8 - 10.6
Liver Function Test			
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	31	U/L	< 55
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.1	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.2	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	5.0	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	3.0	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.0	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.5		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	39	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	23	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/PNPP / Kinetic)	115	U/L	53 - 128
IRON PROFILE			
Iron (Serum/Iron - Ferrozine)	46.8	µg/dL	23 - 168
<p>INTERPRETATION: INTERPRETATION : Low serum iron values are seen in chronic blood loss, insufficient intake or absorption of iron and increased demand on the body stores. Elevated serum iron values are seen in haemolytic anaemia, increased intake.</p>			
Total Iron Binding Capacity (TIBC) (Serum/Fe3+ / Magnesium Hydroxide Carbonate)	135.6	µg/dL	250 - 425



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Investigation

INTERPRETATION: TIBC is increased in iron deficiency anaemia and in pregnancy. It is lower than normal in infections, malignant disease and renal disease.

Unbound Iron Binding Capacity

88.80 µg/dL 190 - 350

Serum Transferrin (Blood)

INTERPRETATION: Transferrin is a direct measure of the iron binding capacity

94.92 mg/dL 175 - 320

Transferrin Saturation (Serum)

INTERPRETATION: Transferrin saturation of less than 16% indicates an inadequate iron supply for erythropoiesis. Elevated transferrin saturation is noted in haemochromatosis.

34.51 % 20 - 55

Ferritin (Serum/Chemiluminescent Microparticle Immunoassay (CMLA))

1400.0 ng/mL 22 - 322



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Lab Address: MEDALL SCANS AND LABS RANCHI PVT LTD, EMERGENCY BLOCK, RAJENDRA INSTITUTE OF MEDICAL SCIENCES, BARIATU ROAD,
 RANCHI, JHARKHAND, INDIA, PIN CODE: 834009.

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Investigation

Renal Function Test

Serum Electrolytes

Sodium
 (Serum/Ion selective electrode (ISE))

Potassium
 (Serum/Ion selective electrode (ISE))

Chloride
 (Serum/Ion selective electrode (ISE))

Urea
 (Serum/Urease-GLDH/UV)

Remark: hist
 Creatinine
 (Serum/Jaffe Kinetic)

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcysteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid
 (Serum/Uricase/Peroxidase)

Investigation	Observed Value	Unit	Biological Reference Interval
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Sodium	130.8	mmol/L	136 - 145
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Potassium	5.40	mmol/L	3.5 - 5.1
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Chloride	99.1	mmol/L	98 - 107
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Urea	137	mg/dL	15 - 45
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Uric Acid	7.6	mg/dL	0.9 - 1.3
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Uric Acid	7.8	mg/dL	3.5 - 7.2
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Investigation

e-GFR Study(GLOMERULAR
FILTRATION RATE)- Blood
(EDTA Blood)

<u>Observed Value</u>	<u>Unit</u>
09	mL/min/1.73 sq.m

Biological Reference Interval

Normal: ≥ 90
Mild decrease in Renal function: 60 - 89
Mild to moderate decrease in Renal function: 45 - 59
Moderate to severe decrease in Renal function: 30 - 44
Severe decrease in Renal function: 15 - 29
Kidney failure: < 15



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