

Patient Name : Mr. JITU PRASAD  
ID No. : MED210076590  
SID No. : 81041102  
Age / Sex : 67 Year(s) / Male  
Type : OP  
Ref. Dr : DR. SILWANT EKKA

Register On : 19/07/2024 10:46 AM  
Collection On : 19/07/2024 11:22 AM  
Report On : 22/07/2024 8:43 AM  
Printed On : 23/07/2024 10:01 AM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
ESR (Erythrocyte Sedimentation Rate) (Citratd Blood Automated ESR analyser)	05	mm/hr	< 20
<b><u>Complete Blood Cell Count</u></b>			
RDW (Blood)	21.7	%	13 - 17
Haemoglobin (EDTA Blood Automated Blood cell Counter)	9.1	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood Automated Blood cell Counter)	29.7	%	42 - 52
RBC Count (EDTA Blood Automated Blood cell Counter)	3.26	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood Automated Blood cell Counter)	91.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood Automated Blood cell Counter)	28.0	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood Automated Blood cell Counter)	30.8	g/dL	32 - 36
Platelet Count (EDTA Blood Automated Blood cell Counter)	1.50	lakh/cu.mm	1.4 - 4.5
Total Leukocyte Count (TC) (EDTA Blood Automated Blood cell Counter)	6080	cells/cu.mm	4000 - 11000
<b><u>Diferential Leucocyte Count</u></b>			
Neutrophils (Blood)	76.2	%	40 - 75
Lymphocytes (Blood)	15.4	%	20 - 45
Eosinophils (Blood)	1.1	%	01 - 06
Monocytes (Blood)	7.2	%	01 - 10
Basophils (Blood/Automated Blood cell Counter)	0.1	%	00 - 02



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The results pertain to sample tested.

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Renal Function Test

Serum Electrolytes

Sodium (Serum/Ion selective electrode (ISE))	133.0	mmol/L	136 - 145
Potassium (Serum/Ion selective electrode (ISE))	4.27	mmol/L	3.5 - 5.1
Chloride (Serum/Ion selective electrode (ISE))	101.8	mmol/L	98 - 107
Urea (Serum/Urease-GLDH/UV)	96	mg/dL	15 - 45
Creatinine (Serum/Jaffe Kinetic)	4.3	mg/dL	0.8 - 1.3

**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)	4.8	mg/dL	3.5 - 7.2
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IRON PROFILE

Iron (Serum/Iron - Ferrozine)	29.1	µg/dL	23 - 168
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**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.

Total Iron Binding Capacity (TIBC) (Serum/Fe3+ / Magnesium Hydroxide Carbonate)	210.4	µg/dL	250 - 425
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**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	181.30	µg/dL	190 - 350
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Serum Transferrin (Blood)	147.28	mg/dL	175 - 320
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**INTERPRETATION:** Transferrin is a direct measure of the iron binding capacity



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Transferrin Saturation (Serum)	13.83	%	20 - 55
<b>INTERPRETATION:</b> Transferrin saturation of less than 16% indicates an inadequate iron supply for erythropoiesis. Elevated transferrin saturation is noted in haemochromatosis.			
Ferritin (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	656.7	ng/mL	22 - 322
HIV 1&2 - 4th Generation, p24 Ag&Ab combination assay (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	0.32	S/CO	< 1.00 : Non Reactive ≥ 1.00 : Reactive
<b>INTERPRETATION:</b> All Reactive samples should be confirmed by Western blot/ HIV PCR.			
HBsAg - Quantitative (Serum/Chemiluminescent Microparticle Immunoassay(CMIA))	0.42	IU/mL	< 1.00 : Non Reactive ≥ 1.00 : Reactive
<b>INTERPRETATION:</b> This is only a screening test. All reactive samples should be tested by a neutralizing confirmatory test.			



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**Investigation**

**Observed  
Value**

**Unit**

**Biological  
Reference Interval**

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

15

mL/min/1.73 sq.m

Normal:  $\geq 90$   
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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