

Pat. Name : Surendra Prasad
Age : 50Y / Sex : Male
Ref. By : Multicare Hospital
Comp.Name : Mchph



Reg. No : OSP-2026-0505
Col. Date : 20-06-2026
Rpt. Date : 20-06-2026

Test	-	Result	Unit	Normal Range
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HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC)

Total WBC Count		5.0	$10^3/\text{ul}$	4-10
RBC INDICES				
RBC Count		4.26	mil/cu.mm	3.5-5.5
Haemoglobin		12.8	gm/dL	12-15
Platelet Count		1.52	$10^6/\text{ul}$	1.50-4.50
Hematocrit (HCT)		40.1	%	37-46
Mean Corp Volume (MCV)		94.13		83-101
Mean Corp Hb (MCH)		30.05	pg	27-32
Mean Corp Hb Conc (MCHC)		31.92	gm/dL	31.5-34.5
RDW-CV		12.3	%	11.0-17.0
PCT		0.31	%	0.10-0.35

DIFFERENTIAL LEUCOCYTE COUNT

Neutrophils		60	%	40-70
Lymphocytes		32		20-40
Monocytes		05	%	2-10
Eosinophils		03	%	1-6
Basophils		00	%	0-1

ABSOLUTE DIFFERENTIAL COUNT

Absolute Neutrophils Count		3.00	$10^3/\text{ul}$	2-7
Absolute Lymphocyte Count		1.60		1-3
Absolute Eosinophil Count	▼	0.15	$10^3/\text{ul}$	0.2-0.5
Absolute Monocyte Count		0.25		0.1-1
Absolute Basophils Count		0.00	$10^3/\text{ul}$	0-0.1

Lab Technician
VIKASH KUMAR
BMLT(AKU)

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Vishal Prakash
Dr. Vishal Prakash
MBBS, DCP

Consultant Pathologist

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BIOCHEMISTRY

Kidney Function Test(KFT)

Blood Urea		28.1	mg/dl	10 - 45
BUN-Blood Urea Nitrogen		13.12	mg/dl	6.0 - 20.0
Serum Creatinine		1.0	mg/dl	0.4-1.20
Uric Acid		6.39	mg/dl	2.5 - 7.2
Serum Sodium		137.2	mmol/l	135 - 150
Serum Potassium		3.81	mmol/l	3.5 - 5.0
Serum Chloride		99.0	mmol /L	98 - 110
Calcium (Ca++)		8.96	mg/dL	8.6-10.2

Comment

The Kidney Function Test (KFT) is a group of blood and urine tests used to evaluate how well the kidneys are working. It commonly includes tests such as serum creatinine, blood urea, uric acid, electrolytes, and eGFR. KFT helps in diagnosing kidney diseases, kidney infections, dehydration, and monitoring patients with diabetes or high blood pressure. Increased levels of urea and creatinine may indicate impaired kidney function. This test is important for assessing kidney health and monitoring the effectiveness of treatment.

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BIOCHEMISTRY

Liver Function Test (LFT)

Total Bilirubin	0.79	mg/dl	0.2-1.3
Direct Bilirubin	0.30	mg/dl	0.0-0.4
Indirect Bilirubin	0.49	mg/dl	0.2-0.7
Alkaline Phosphatase	170.2	IU/L	00-240
Alanine Transaminase (SGPT/ALT)	30.6	U/L	5-35
Aspartate Transaminase (SGOT/AST)	32.8	U/L	8-40
SGOT/SGPT Ratio	1.07	Ratio	0-5
Total Protein	6.93	g/dl	6-8
Albumin	3.71	gm/dl	3.5-5.5
Globulin	3.22	g/dl	2.3-3.6
A/G Ratio	1.15		1.0-2.3

Comment

The Liver Function Test (LFT) is a group of blood tests used to assess the health and functioning of the liver. It measures different enzymes, proteins, and substances such as SGOT (AST), SGPT (ALT), ALP, bilirubin, albumin, and total protein. These tests help in diagnosing liver diseases like hepatitis, fatty liver, jaundice, liver infection, and liver damage caused by alcohol or medicines. Abnormal LFT values may indicate inflammation, blockage of bile ducts, or impaired liver function. LFT is also used to monitor the progress of liver disease and response to treatment.

Vitamin D3 (1,25 Dihydroxyvitamin D3)

Vitamin D3	36.2	pg/mL	18-62
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IMMUNOLOGY

Vitamin - B12 (Cynobalamin)

VITAMIN B-12	287.3	Pg/ML	180 - 916
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Comment

Vitamin B12 (Cyanocobalamin) is a vitamin test used to measure the level of Vitamin B12 in the blood. It helps detect deficiency which can cause anemia, weakness, fatigue, and nerve problems. This test is important for maintaining healthy blood and proper nervous system function.

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BIOCHEMISTRY				
Blood Sugar Random(BSR)	▲	152.8	mg/dl	70-140

A handwritten signature in blue ink, appearing to read 'Vikash'.

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IMMUNOLOGY

Thyroid Profile [T3,T4,TSH]

T3 [Triiodothyronine]		1.36	ng/ml	0.6 - 2.0
T4 [Thyroxine]		8.22	ug/dl	5.0 - 13.0
TSH (Thyroid Stimulating Hormone)		2.89	uIU/mL	0.4 - 4.2

Comment

TSH (ULTRASENSITIVE)
Reference Ranges for pregnancy

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1st Trimester 0.30 - 4.50
2nd Trimester 0.50 - 4.60
3rd Trimester 0.80 - 5.20

NOTE :-

- 1.TSH levels are subject to circadian variation, reaching peak levels between 2-4 .a.m. and at a minimum between 6-10 pm. The variation is of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- 2.Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- 3.Physiological rise in Total T3/T4 levels is seen in pregnancy and in patients on steroid therapy.

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BIOCHEMISTRY

Lipid Profile

TOTAL CHOLESTEROL	151.8	mg/dl	50-200
Serum Triglyceride	132.1	mg/dl	0-161
HDL Cholestrol	35.6	mg/dl	35-60
LDL Cholestrol	89.78	mg/dl	0-100
VLDL Cholestrol	26.42	mg/dl	5-40
LDL/HDL Ratio	2.52	mg/dl	0-3.55
HDL / LDL Ratio	0.40	Ratio	
Chol / HDL Ratio	4.26	mg/dl	0-4.97

Interpretation Table

Cholesterol	Desirable	Borderline	High/Very High...
Total Cholesterol	<200mg/dl	200-239mg/dl	>=250mg/dl
High-Density Lipoprotein(HDL)	>60mg/dl	40-60mg/dl	<35mg/dl
Low-Density Lipoprotein(LDL)	<100mg/dl	100-159mg/dl	>=160mg/dl
Very Low-Density Lipoprotein			
Triglycerides	<150mg/dl	150-199mg/dl	>200mg/dl/>500 mg/dl

*** End Of Report ***

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