

Pat. Name : Bibha Kumari
Age : 40Y / Sex : Female
Ref. By : Self
Comp.Name : Self



Reg. No : OSP-2026-0443
Col. Date : 17-06-2026
Rpt. Date : 17-06-2026

Test	-	Result	Unit	Normal Range
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HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC)

Total WBC Count		6.0	10 ³ /ul	4-10
RBC INDICES				
RBC Count		4.4	mil/cu.mm	3.5-5.5
Haemoglobin	▼	11.1	gm/dL	12-15
Platelet Count	▼	0.85	10 ⁶ /ul	1.50-4.50
Hematocrit (HCT)		37.6	%	37-46
Mean Corp Volume (MCV)		85.45		83-101
Mean Corp Hb (MCH)	▼	25.23	pg	27-32
Mean Corp Hb Conc (MCHC)	▼	29.52	gm/dL	31.5-34.5
RDW-CV		16.4	%	11.0-17.0
PCT	▼	0.09	%	0.10-0.35

DIFFERENTIAL LEUCOCYTE COUNT

Neutrophils		61	%	40-70
Lymphocytes		33		20-40
Monocytes		03	%	2-10
Eosinophils		03	%	1-6
Basophils		00	%	0-1

ABSOLUTE DIFFERENTIAL COUNT

Absolute Neutrophils Count		3.66	10 ³ /ul	2-7
Absolute Lymphocyte Count		1.98		1-3
Absolute Eosinophil Count	▼	0.18	10 ³ /ul	0.2-0.5
Absolute Monocyte Count		0.18		0.1-1
Absolute Basophils Count		0.00	10 ³ /ul	0-0.1

Lab Technician
VIKASH KUMAR
BMLT(AKU)

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Vishal Prakash
Dr. Vishal Prakash
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Consultant Pathologist

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BIOCHEMISTRY

Kidney Function Test(KFT)

Blood Urea		32.2	mg/dl	10 - 45
BUN-Blood Urea Nitrogen		15.04	mg/dl	6.0 - 20.0
Serum Creatinine		0.95	mg/dl	0.4-1.20
Uric Acid		4.3	mg/dl	2.5 - 7.2
Serum Sodium		139.2	mmol/l	135 - 150
Serum Potassium		3.96	mmol/l	3.5 - 5.0
Serum Chloride		100.0	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	0.86	mg/dl	0.2-1.3
Direct Bilirubin	0.36	mg/dl	0.0-0.4
Indirect Bilirubin	0.50	mg/dl	0.2-0.7
Alkaline Phosphatase	186.2	IU/L	00-240
Alanine Transaminase (SGPT/ALT)	34.2	U/L	5-35
Aspartate Transaminase (SGOT/AST)	25.6	U/L	8-40
SGOT/SGPT Ratio	0.75	Ratio	0-5
Total Protein	6.84	g/dl	6-8
Albumin	3.92	gm/dl	3.5-5.5
Globulin	2.92	g/dl	2.3-3.6
A/G Ratio	1.34		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.

SEROLOGY

Blood Group (ABO)

Blood Group (ABO)	B	
Rh Typing	POSITIVE (+ve)	POSITIVE

Comment

Blood Group (ABO) is a laboratory test used to determine a person's blood type based on the presence or absence of A and B antigens on red blood cells. The four main blood groups are A, B, AB, and O. ABO blood typing is essential for safe blood transfusions, organ transplantation, and prenatal care, as receiving incompatible blood can cause serious health complications.

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SEROLOGY

HBsAg(SCREENING) Non-Reactive

Comment

HBsAg (Screening) is a blood test used to detect the presence of the hepatitis B surface antigen (HBsAg), a protein found on the surface of the Hepatitis B virus. It is commonly used to screen for hepatitis B infection. A positive HBsAg result indicates that a person is infected with hepatitis B and may be able to transmit the virus to others. This test is important for early diagnosis, monitoring, and preventing the spread of hepatitis B.

HCV (RAPID) Non-Reactive

Comment

HCV (Rapid) is a quick screening test used to detect antibodies against the Hepatitis C virus in a blood sample. It provides results within a short time and helps identify individuals who may have been exposed to hepatitis C. A positive result suggests possible infection and should be confirmed with additional laboratory tests to determine active infection and guide treatment.

HIV I & II(SCREENING) NON-REACTIVE

Comment

Human Immunodeficiency Virus Infection I & II (Screening) is a blood test used to detect antibodies or antigens related to HIV infection. It helps in the early diagnosis of HIV-1 and HIV-2 infections, allowing timely treatment and prevention of further transmission. Screening tests are important for maintaining overall health and awareness.

Vitamin D3 (1,25 Dihydroxyvitamin D3)

Vitamin D3 ▼ **16.2** pg/mL 18-62

BIOCHEMISTRY

Blood Sugar Random(BSR) ▲ **189.2** mg/dl 70-140

Lipid Profile

TOTAL CHOLESTEROL 167.2 mg/dl 50-200

Serum Triglyceride 133.5 mg/dl 0-161

HDL Cholestrol 36.0 mg/dl 35-60

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LDL Cholestrol	▲	104.50	mg/dl	0-100
VLDL Cholestrol		26.70	mg/dl	5-40
LDL/HDL Ratio		2.90	mg/dl	0-3.55
HDL / LDL Ratio		0.34	Ratio	
Chol / HDL Ratio		4.64	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

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IMMUNOLOGY

Thyroid Profile [T3,T4,TSH]

T3 [Triiodothyronine]		0.96	ng/ml	0.6 - 2.0
T4 [Thyroxine]		5.36	ug/dl	5.0 - 13.0
TSH (Thyroid Stimulating Hormone)		3.69	uIU/mL	0.4 - 4.2

Comment

TSH (ULTRASENSITIVE)
Reference Ranges for pregnancy

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.

*** End Of Report ***

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