

Pat. Name : Miss KHUSHI KUMARI
Age : 16Y/ Sex : Female
Ref. By : DR NAWSHAD ALAM
Comp.Name :



Reg. No : DNA-2026-0002
Col. Date : 16-06-2026
Rpt. Date : 16-06-2026

Test	-	Result	Unit	Normal Range
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HAEMATOLOGY

COMPLETE BLOOD COUNT (CBC)

Total WBC Count	▲	5600	10 ³ /ul	4-10
RBC INDICES				
RBC Count		4.35	mil/cu.mm	3.5-5.5
Haemoglobin		12.2	gm/dL	12-15
Platelet Count		2.25	10 ⁶ /ul	1.50-4.50
Hematocrit (HCT)		37.2	%	37-46
Mean Corp Volume (MCV)		85.52		83-101
Mean Corp Hb (MCH)		28.05	pg	27-32
Mean Corp Hb Conc (MCHC)		32.80	gm/dL	31.5-34.5
RDW-CV		12.0	%	11.0-17.0
MPV		10		7-13
PCT		0.120	%	0.10-0.35

DIFFERENTIAL LEUCOCYTE COUNT

Neutrophils	▲	75	%	40-70
Lymphocytes		20		20-40
Monocytes		04	%	2-10
Eosinophils		1	%	1-6
Basophils		00	%	0-1

ABSOLUTE DIFFERENTIAL COUNT

Absolute Neutrophils Count	▲	4200.00	10 ³ /ul	2-7
Absolute Lymphocyte Count	▲	1120.00		1-3
Absolute Eosinophil Count	▲	168.00	10 ³ /ul	0.2-0.5
Absolute Monocyte Count	▲	224.00		0.1-1
Absolute Basophils Count		0.00	10 ³ /ul	0-0.1

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BIOCHEMISTRY

Liver Function Test (LFT)

Total Bilirubin		0.96	mg/dl	0.2-1.3
Direct Bilirubin		0.35	mg/dl	0.0-0.4
Indirect Bilirubin		0.61	mg/dl	0.2-0.7
Alkaline Phosphatase		89.0	IU/L	00-240
Alanine Transaminase (SGPT/ALT)	▲	36	U/L	5-35
Aspartate Transaminase (SGOT/AST)	▲	52	U/L	8-40
SGOT/SGPT Ratio		1.44	Ratio	0-5
Total Protein		7.2	g/dl	6-8
Albumin		3.6	gm/dl	3.5-5.5
Globulin		3.60	g/dl	2.3-3.6
A/G Ratio		1.00		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.

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BIOCHEMISTRY

Kidney Function Test(KFT)

Blood Urea		22	mg/dl	10 - 45
BUN-Blood Urea Nitrogen		10.27	mg/dl	6.0 - 20.0
Serum Creatinine		0.69	mg/dl	0.4-1.20
Uric Acid		4.2	mg/dl	2.5 - 7.2
Serum Sodium		142.0	mmol/l	135 - 150
Serum Potassium		4.2	mmol/l	3.5 - 5.0
Serum Chloride	▲	114.0	mmol /L	98 - 110
Ionized Calcium	▲	2.5	mmol/L	1.10 - 1.35
Calcium (Ca++)		9.6	mg/dL	8.6-10.2
Blood pH		7.44		7.35 - 7.45

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

Lipid Profile

TOTAL CHOLESTEROL	▲	250	mg/dl	50-200
Serum Triglyceride	▲	180	mg/dl	0-161
HDL Cholestrol		45	mg/dl	35-60
LDL Cholestrol	▲	169.00	mg/dl	0-100
VLDL Cholestrol		36.00	mg/dl	5-40
LDL/HDL Ratio	▲	3.76	mg/dl	0-3.55
HDL / LDL Ratio		0.27	Ratio	
Chol / HDL Ratio	▲	5.56	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

Urine R/E Analysis

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Physical Examination				
VOLUME	▲	20	ml	2-5
Urine Colour		Slightly Yellowish		
Appearance		Cloudy		
Urine pH		6.5		4.5-8.0
Specific Gravity		1.005		1.000-1.030
Chemical Examination				
Urine Sugar (Glucose)		Absent		
Urine Protein		Absent		
Ketones		Absent		
Urine Bilirubin		Absent		
Urobilinogen		Absent		
Blood		Trace		
Nitrate		Not Present		
Leukocytes Esterase		Present (Trace)= 15		
Microscopy Examination				
Pus Cells		0-5		
R.B.C.		18-20	RBC /hpf	0-2
Epithelial Cells		2-3	Epi Cells /hpf	
Casts		Granular Casts (+)	/hpf	
Crystals		Not Seen	/hpf	

Comment

Urine Routine Examination (Urine R/E Analysis) is a common test used to examine the physical, chemical, and microscopic properties of urine. It helps detect urinary tract infections, kidney disorders, diabetes, and other health conditions. This test provides important information about overall urinary and kidney health.

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BIOCHEMISTRY

C-Reactive Protein (CRP Quantitative)

CRP (Quantitative)	▲	12.2	mg/L	00 - 6.0
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Comment

C-Reactive Protein (CRP) is a protein produced by the liver in response to inflammation in the body. The level of CRP in the blood increases when there is an infection, injury, or inflammatory condition. A CRP test helps doctors detect and monitor inflammation associated with diseases such as arthritis, bacterial infections, and heart disease. Higher CRP levels generally indicate greater inflammation, but the test does not identify the exact cause.

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.

BIOCHEMISTRY

Blood Sugar Random(BSR)		89.0	mg/dl	70-140
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*** End Of Report ***