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LAB REPORT

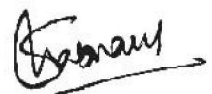|			
Barcode:	**10485293**	Lab No :	012502070106
Patient Name:	**Mr. KARAN**	Age/Gender :	25 Y/Male
Refer:	Self	Sample Registration Date :	24/Jan/2025 11:43AM
Panel Code:	ADITYA	Sample Collection Date :	24/Jan/2025 11:50AM
Refer Other:		Sample Receive Date :	24/Jan/2025 11:50AM
UHID:	623921	Report Release Date :	24/Jan/2025 04:17PM
Address:			

Haematology

Test Name	Value	Unit	Bio Ref.Interval
Fever Profile 3			
Complete Blood Count (CBC)+ESR			

Specimen: Whole Blood EDTA

Test Name	Value	Unit	Bio Ref.Interval
Haemoglobin (Hb) Colorimetric SLS	14.6	g/dL	13.0-17.0
TOTAL LEUKOCYTE COUNT (TLC) Flow Cytometry	6.80	th/cumm	4.0-10.0
Differential Cell Count			
Neutrophils Flow cytometry / Microscopy	78	%	40-80
Lymphocytes Flow cytometry / Microscopy	**16**	%	20-40
Eosinophil Flow cytometry / Microscopy	2.00	%	1-6
Monocytes Flow cytometry / Microscopy	3	%	2-10
Basophils Flow cytometry / Microscopy	1	%	0-1
Absolute Neutrophils Count Impedence	5.30	10^9/L	2.0-7.0
Absolute Lymphocyte Count Impedence	1.09	10^9/L	1.0-3.0
Absolute Eosinophils Count Calculated	0.14	10^9/L	0.02-0.5
Absolute Monocyte Count Calculated	0.2	10^9/L	0.2-1.0
Absolute Basophil Count Calculated	0.07	10^9/L	0.0-0.3
RBC Count Impedence	4.90	millions/cmm	4.5-5.5
Haematocrit (HCT) Calculated	45.8	%	40-50
MCV Calculated	84.5	fl	83-101

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Haematology

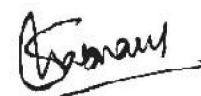| Test Name	Value	Unit	Bio Ref.Interval
MCH Calculated	32.0	pg	27-32
MCHC Calculated	31.9	g/dl	31.5-34.5
Platelet Count (PLT) Impedance / Microscopy	**115**	thou/µL	150-410
Mean Platelet Volume (MPV) Calculated	10.30	fl	7.4-10.4
RDW-CV Calculated	12.0	%	11.6-14.0
RDW-SD Calculated	**34.50**	fl	35.0-56.0
PCT	**0.29**	%	0.10-0.28
PDW	17.00	fl	9.0-17.0
Mentzer Index Calculated	17.24	Ratio	
Neutrophil to Lymphocyte Ratio Calculated	4.88	Ratio	
Lymphocyte to Monocyte Ratio Calculated	5.33	Ratio	
Platelet - Lymphocyte Ratio (PLR)	7.19		
Erythrocyte Sedimentation Rate (ESR) Modified Westergren method	**25**	mm/hr	15 or less

Comments :

CBC provides information about red cells, white cells and platelets. Results are useful in the diagnosis of anemia, infections, leukemias, clotting disorders and many other medical conditions.

Malaria Parasite (MP- Slide)

Malarial Parasite- Slide   NOT SEEN

Note: A single negative result does not rule out Malaria.

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Biochemistry

Test Name	Value	Unit	Bio Ref.Interval
Specimen: Serum			
Bilirubin(Total) Diphylline, Diazonium Salt	**3.58**	mg/dl	0.2-1.3
Alanine Aminotransferase (ALT/SGPT) UV with Pyridoxal-5- Phosphate (P5P)	**249.7**	U/L	< 50.0

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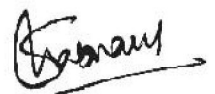🌐 www.healthsfirst.in ✉ info@healthsfirst.in

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Serology

Test Name	Value	Unit	Bio Ref.Interval
Widal Test (Slide Test)			
Salmonella typhi O Antigen Slide Agglutination	1:160		
Salmonella typhi H Antigen Slide Agglutination	1:160		
Salmonella paratyphi AH Antigen Slide Agglutination	<1:80		
Salmonella paratyphi BH Antigen Slide Agglutination	<1:80		
Result	Positive		

Interpretation:

Antigens Tested	RESULT	REMARKS
TO, TH,AH,BH	Titre 1:20 and Titre 1:40	Indicates absence of IgM & IgG antibodies against Salmonella species
TO, TH,AH,BH	Titre >/= 1:80	Indicates Presence of IgM & IgG antibodies against Salmonella species.

Comments:
This test measures Somatic O and Flagellar H antibodies against Typhoid and Paratyphoid bacilli.
Rising titres in paired samples taken 7-10 days apart are more significant than a single test.
Titres 1:80 and above indicates ongoing or recent infection by Salmonella species and the diagnosis should be confirmed by gold standard test such as Blood culture prior to start of antibiotics.
The agglutinins usually appears at the end of the first week of infection and increase steadily till third / fourth week after which the decline starts. A Positive Widal test may occur because of Typhoid vaccination or previous typhoid infection and in certain autoimmune diseases.
In TAB vaccinated patients, high titres of H antibody of >= 1:160 to each of Salmonellae is observed. They tend to persist for many months and even years while O antibody shows lower titres and disappears within 6 months.
False positive results/anamnestic response may be seen in patients with past enteric infection during unrelated fevers like Malaria, Influenzae etc in the form of transient rise in H antibody in Widal test.
False negative results may be due to processing of sample collected early in the course of disease (1st week) and immunosuppression.
Uses:
To diagnose infection due to Salmonella species.(Enteric fever)
To assess the response to therapy(decreasing titres) in patients being treated for Enteric fever.

Correlate Clinically.   **Result rechecked and verified for abnormal cases.**

*** End Of Report ***

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