Hematology

CR No	: 239212500583907	**Lab/Study No.**	: 250224H0448	**Acceptance Date**	: 24-Feb-2025 16:09
Patient Name	: Sonali Masram	**Age/Sex**	: 31 Yr/F	**Coll./Study Date**	: 24-Feb-2025 12:56
Sample Type/No	: Whole Blood/250224H0448	**Ward/OPD**	: OPD	**Reporting Date**	: 03-Mar-2025 15:55
Dept/Unit	: Unit 1 OBGY				

Investigation	Result	Unit	Ref. Range

Hb Hplc

Hb Adult A0
HB A2
HB F
S Window

Red cell indices:

RBC: 5.15 million/µL Hb: 11.7 g/dL MCV: 71.7 fL MCH: 22.7 pg	MCHC: 31.7 g/dL RDW: 15.5 % Reticulocyte count: 1.77 %

Hemoglobin concentration on HPLC:

Type of Hemoglobin	Concentration %
HbF	1.0
HbA0	61.3
HbA2	3.7
HbS	26.9

Impression: HbS Heterozygous (Sickle cell trait) with possibility of coexistent alpha thalassemia.
Advice: Family screening and DNA analysis.

Dr Shivanee Joshi
Senior Resident

Dr Garima Goel
Professor

Validated By: Dr Garima Goel,Dr Rutu SP

This is computer generated report. Signature not required

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Investigation	Result	Unit	Ref. Range
Method	BIO RAD D10 High Performance Liquid Chromatography		

DISCLAIMER :

1. Results relate only to the sample, as received.
2. HPLC gives only a presumptive diagnosis of hemoglobinopathies. For definitive diagnosis, molecular studies and genetic
testing are required.
3.All test should be correleted with age and history transfusion.
4. If there is history of blood transfusion in the last 03 months, repeat testing 03 months post transfusion is recommended.
5.In case of hemoglobinopathy, parent/ family studies and counselling is advised.
6.Iron deficiency anemia may be associted with spurious low HbA2 levels.
7. Megaloblastic anemia may be associated with spurious high HbA2 levels.
8. DNA analysis is recommended to rule out alpha thalassaemia and silent carriers.
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White Blood Cell Count	9.81	Thousand/MicroL	4 - 11
Neutrophils	**78.8**	%	40 - 70
Lymphocytes	**14.2**	%	20 - 40
Monocytes	5.4	%	2 - 8
Eosinophils	1.1	%	1 - 6
Basophils	0.5	%	0 - 1
Imature Granulocytes	**3.3**	%	0 - 1
Nucleated RBC	0.1		-
Absolute Neutrophil Count	**7.73**	Thousand/MicroL	1.50 - 7
Absolute Lymphocyte Count	1.39	Thousand/MicroL	1 - 3.70
Absolute Monocyte Count	0.53	Thousand/MicroL	0 - 0.70
Absolute Eosinophil Count	0.11	Thousand/MicroL	0 - 0.40
Absolute Basophil Count	0.05	Thousand/MicroL	0 - 0.10
Absolute IG	**0.32**	Thousand/MicroL	0 - 0.10
Absolute NRBC			
R B C Count	5.15	Million/MicroL	4 - 5.50
Hemoglobin	11.7	gm/dL	11 - 15
Hematrocit	**36.9**	%	37 - 47

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Investigation	Result	Unit	Ref. Range
Mean Cell Volume	**71.7**	fL	76 - 93
Mean Cell Hemoglobin	**22.7**	pg	27 - 32
Mean Cell Hb Concentration	**31.7**	g/dL	32 - 36
Rdw SD	38.8	fL	35 - 56
RDW CV	15.5	%	11 - 16
Platelet Count	336	Thousand/MicroL	150 - 450
Mean Platelet Volume	11.2	fL	6.5 - 12
P-LCR	35.8	%	13 - 43
Platelet Distribution Width	15.4	fL	9 - 17
PCT	**0.38**	%	0.17 - 0.28
Reticulocytes			
IRF			
Reticulocyte Hemoglobin			
Method	Photometry, Impedance and Fluroscence Flowcytometry		

Comments:

********** END OF THE REPORT **********

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