

 Registered Address : Sai Sindhu Foundation, 8-2-293/82/A/389, Road no: 22-B, Jubilee Hills, Hyderabad 500033

 Hospital Address
 : Sindhu Hospital Campus, Hitec City, Hyderabad - 500084, Telangana.

info@sindhuhospitals.com

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LABORATORY INVESTIGATION REPORT

Patient Name	: Mrs. UMEMAHEEN .	Age/Sex	: 22 Year(s)/Female
UHID	: SHHC.25008249	Order Date	: 14/04/2025 13:50
Episode	: OP	Bill No.	: OCA25029033
Ref. Doctor	: Dr. Ranjit Kumar C S	Facility	: Sindhu Hospitals
Sample No	: 07O0033932A	Collec.Date	: 14/04/25 13:55
ACK. Dale	• 14/04/2023 14.4/	Report Date	. 17/07/23 13.20

TESTS NAME RESULTS UNITS BIOLOGICAL REF INTERVAL CBP (COMPLETE BLOOD PICTURE) Sample Type- EDTA Whole Blood				
CBP (COMPLETE BLOOD PICTURE) Sample Type- EDTA Whole Blood	TESTS NAME	RESULTS	UNITS	BIOLOGICAL REF INTERVAL
Sample Type- EDTA Whole Blood	CBP (COMPLETE BLOOD PICTURE)			
	Sample Type- EDTA Whole Blood			
HEMOGLOBIN 4.40 ▼ (CL) g/dl 12.0 - 15.0	HEMOGLOBIN	4.40 ▼ (CL)	g/dl	12.0 - 15.0
Method - Spectrophotometry	Method - Spectrophotometry			
RBC 1.42 ▼ (L) x10^6/ul 3.8 - 4.8	RBC	1.42 ▼ (L)	x10^6/ul	3.8 - 4.8
$PCV = 13.70 \times (1) \qquad 96 \qquad 36.0 - 46.0$	Method - Impedance PCV	13 70 ▼ (I)	0/6	36.0 - 46.0
Method - Calculated	Method - Calculated	2017 0 (2)	70	50.0 10.0
MCV 96.00 fl 83.0 - 101.0	MCV	96.00	fl	83.0 - 101.0
Method - Derived from RBC histogram	Method - Derived from RBC histogram			
MCH 31.10 pg 27.0 - 32.0	MCH	31.10	pg	27.0 - 32.0
Method - Calculated	Method - Calculated	22.40		24 5 24 5
MCHC 32.40 g/dl 31.5 - 34.5	MCHC Mothed Color/lated	32.40	g/di	31.5 - 34.5
RDW - CV 18 90 ▲ (H) % 11 6 - 14	RDW - CV	18.90 A (H)	0/2	11 6 - 14
Method - Derived from RBC histogram	Method - Derived from RBC histogram	10190 1 (1)	70	11.0 11
TOTAL WBC 1720 V (L) cells/cum 4000 - 10000	TOTAL WBC	1720 ▼ (L)	cells/cum	4000 - 10000
Method - Impedance m	Method - Impedance		m	
DIFFERENTIAL COUNT	DIFFERENTIAL COUNT			
Neutrophils 22 ▼ (L) % 40 - 80	Neutrophils	22 ▼ (L)	%	40 - 80
Method - Flow cytometry:DHSS-microscopy	Method - Flow cytometry:DHSS-microscopy			
Lymphocytes 67 (H) % 20 - 40	Lymphocytes	67 ▲ (H)	%	20 - 40
Method - Flow Cytometry:DHSS/Microscopy	Method - Flow Cytometry:DHSS/Microscopy			
Eosinophils 01 % 1.0 - 6.0	Eosinophils Mothed Elaw automata #DHSS Microscopy	01	%	1.0 - 6.0
$\frac{10}{10} = \frac{10}{10} = \frac{10}{10} = \frac{10}{10}$	Monocytes	10	0/6	2.0 - 10.0
Method - Flow cytometry:DHSS-Microscopy	Method - Flow cytometry:DHSS-Microscopy	10	70	2.0 10.0
Basophils 00 % 0 - 2.0	Basophils	00	%	0 - 2.0
Method - Impedance	Method - Impedance			
ABSOLUTE COUNTS	ABSOLUTE COUNTS			
Absolute Neutrophil Count 378 ▼ (L) cells/cum 2000 - 7000	Absolute Neutrophil Count	378 ▼ (L)	cells/cum	2000 - 7000
Method - Calculated m	Method - Calculated		m	
Absolute Lymphocyte Count 1152 cells/cum 1000 - 3000	Absolute Lymphocyte Count	1152	cells/cum	1000 - 3000
Method - Calculated m	Method - Calculated		m	
Absolute Eosinophil Count 17 ▼ (L) cells/cum 20 - 500	Absolute Eosinophil Count	17 ▼ (L)	cells/cum	20 - 500
Method - Calculated M	Method - Calculated		m	
Absolute Monocyte Count 172 ▼ (L) cells/cum 200 - 1000	Absolute Monocyte Count	172 ▼ (L)	cells/cum	200 - 1000
Method - Calculated m	Method - Calculated		m	
Absolute Basophil Count 02 cells/cum 0 - 160	Absolute Basophil Count	02	cells/cum	0 - 160
metriou - calculateu M	Meurod - Carculated		m	450 440
Platelet Count 8.00 ▼ (CL) x10^3/m 150 - 410 Mathad Immadanae(Missionany) 22	Platelet Count	8.00 ▼ (CL)	x10^3/m	150 - 410
method - impedance/ microscopy m^3		10.40	m^3	7 4 10 4
יזוי 10.40 דו /.4-10.4 Method - Derived from platelet distribution curve	אין	10.40	τı	/.4-10.4



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PERIPHERAL SMEAR

RBC Morphology Method - Microscopy/Leishman stain

WBC Morphology Method - Microscopy/Leishman stain Platelets Method - Microscopy/Leishman stain Severe erythropenia with ansiocytosis, normocytic normochromic picture, few macrocytes, teardrop cells, ovalocyte and occasional nRBC

Severe neutropenia

Severe thrombocytopenia

End of Report

Meghe Undela

Dr. Meghna. V CONSULTANT PATHOLOGIST,HEMATOPATHOLOGY DNB Pathology

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Episode	: OP	Bill No.	: OCA25029033
Ref. Doctor	: Dr. Ranjit Kumar C S	Facility	: Sindhu Hospitals
Sample No	: 07O0033945C	Collec.Date	: 14/04/25 14:48
Ack. Date	: 14/04/2025 15:31	Report Date	: 19/04/25 15:26

HAEMATOLOGY				
TESTS NAME	RESULTS	UNITS	BIOLOGICAL REF INTERVAL	
Bone Marrow Aspiration and Biopsy				
Sample Type- Bone Marrow Aspirate				
Bone Marrow No	BMA2025-65			
Clinical Details	Pancvtopenia un	der evaluation		
PERIPHERAL SMEAR FINDINGS				
Method - Microscopy / Leishman's Stain				
RBC				
Severe erythropenia with anisocytosis, norr	nocytic normochromic pictu	ure, few macrocytes,		
teardrop cells, ovalocyte, occasional nRBC	and polychromatophil			
WBC				
Leukopenia with severe neutropenia				
Marked thromboo tononia				
BONE MARROW ASPIRATION				
Cellularity	- Scantly particul	ate and hemodiluted aspira	te smears show	
		le with attached stromal fra	agment.	
	- All three lineag	e appear reduced with relat	tive erythroid	
	prominence.			
	- Lymphocytes c	onstitute up to 42% of nuc		
	- Mild prominenc	e of plasma cells, pigment	laden macrophages	
	and mast cells se	een.		
	- Imprint smears	show fat spaces, hemorrha	agic foci with few	
	scattered erythro	bid and myeloid precursors	admixed with few	
	mature neutrophils and plasma cells.			
	 No atypical cell 	s/ infiltrates seen.		
DIFFERENTIAL COUNT				
Myelocytes	03	%		
Method - Microscopy / Leishman's Stain				
Metamyelocytes	03	%		
Method - Microscopy / Leishman's Stain	04	0/		
Dalla Follis Method - Microscony / Leichman's Stain	04	%0		
Neutrophils Count	10	0/0		
Method - Microscopy/Leishman stain	10	70		
Lymphocytes Count	42	%		
Method - Microscopy/Leishman stain				
Monocytes	08	%		
Method - Microscopy / Leishman's Stain				
Plasma cells	04	%		
Method - Microscopy / Leishman's Stain	25			
Erythroid	25	%		
rietnoa - Microscopy / Leisnman's Stain				



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Erythropoiesis Method - Microscopy / Leishman's Stain **Myelopoiesis** Method - Microscopy / Leishman's Stain Megakaryopoiesis Method - Microscopy / Leishman's Stain Lymphocytes and Plasma Cells Method - Microscopy / Leishman's Stain Hemoparasites Method - Microscopy/Leishman stain Abnormal Cells Method - Microscopy/Leishman stain Macrophages Method - Microscopy/Leishman's Stain Blasts/Hematogone Method - Microscopy/Leishman's Stain Perls Iron Stain Method - Microscopy Impression

Relative prominence with normoblastic maturation

Reduced. However, orderly maturation noted Reduced. Occasional normal megakaryocyte seen Lymphocytes constitute up to 42% of nucleated cells Plasma cells make up to 04% of nucleated cells Nil Nil Few pigment laden histiocytes and mast cells noted Nil Cannot comment on Iron stores

Pauci-particulate and pauci-cellular aspirate with reduced myelo-megakaryopoieis and relative erythroid prominence. Refer to report on trephine biopsy.

BONE MARROW BIOPSY

Bone Marrow Biopsy BMA2025-65

SPECIMEN:

Bone marrow trephine biopsy

GROSS:

Received gray white, linear core of bony tissue measruring 1.2 cm in length

MICROSCOPY:

- Biopsy is adequate for evaluation with normal bony trabeculae
- Available intertrabecular spaces show a cellularity of <05%
- Erythropoiesis is reduced, unevenly distributed and shows normoblastic maturation.
- Myelopoiesis is markedly reduced.
- Megakaryopoiesis is markedly reduced (0-1/10hpf)
- Interstitial prominence of pigment laden macrophages, plasma cells and lymphocytes noted.
- No overt blast prominence / atypical cell infiltrates seen.

IMPRESSION:

Markedly hypoplastic marrow. Advise correlation with drug history (including native medicines) and stress cytogenentics to confirm/rule out bone marrow failure.



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oumple no	• 0,000559150	concendate	11/01/25 11.10
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End of Report

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