



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		gam Chopra MD (Pathology ultant Pathologis	
NAME	: Miss. AKSHITA				
AGE/ GENDER	: 14 YRS/FEMALE		PATIENT ID	: 15381	26
COLLECTED BY	:		REG. NO./LAB NO.	:01240	07040037
<b>REFERRED BY</b>	: CIVIL HOSPITAL (AMBALA CANTI	[)	<b>REGISTRATION DAT</b>	<b>FE</b> : 04/Jul	/2024 12:01 PM
BARCODE NO.	: 01512512		COLLECTION DATE		/2024 12:03PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 04/Jul	/2024 12:24PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	·		
Test Name		Value	Unit		Biological Reference interval
		HAEN/	IATOLOGY		
	COM		OOD COUNT (CBC)		
	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB)		11.5 <sup>L</sup>	gm/c	di	12.0 - 16.0
by CALORIMETRIC					
RED BLOOD CELL (RE	BC) COUNT FOCUSING, ELECTRICAL IMPEDENCE	3.98	Millic	ons/cmm	3.50 - 5.00
PACKED CELL VOLUN	/IE (PCV)	36.1 <sup>L</sup>	%		35.0 - 49.0
by CALCULATED BY A MEAN CORPUSCULA	UTOMATED HEMATOLOGY ANALYZER	90.6	fL		80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER	90.0	IL.		80.0 - 100.0
	R HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	29	pg		27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC)	32	g/dL		32.0 - 36.0
		147	0/		11.00 1/ 00
	ION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.7	%		11.00 - 16.00
	ION WIDTH (RDW-SD)	49.6	fL		35.0 - 56.0
MENTZERS INDEX	UTOMATED HEMATOLOGY ANALYZER	22.76	RATI	0	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED					IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE by CALCULATED	X	33.59	RATI	0	BETA THALASSEMIA TRAIT: < =
by CALCOLATED					65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>S (WBCS)</u>				
TOTAL LEUCOCYTE C	OUNT (TLC) / by sf cube & microscopy	10600	/cmn	n	4000 - 11000
NUCLEATED RED BLC	DOD CELLS (nRBCS)	NIL			0.00 - 20.00
by CALCULATED BY A MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &				
NUCLEATED RED BLC	DOD CELLS (nRBCS) %	NIL	%		< 10 %
by CALCULATED BY A MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &				





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Yugam Chopra

**CEO & Consultant Pathologist** 

MD (Pathology)

NAME : Miss. AKSHITA AGE/ GENDER : 14 YRS/FEMALE **PATIENT ID** :1538126 **COLLECTED BY** :012407040037 REG. NO./LAB NO. **REFERRED BY** : CIVIL HOSPITAL (AMBALA CANTT) **REGISTRATION DATE** :04/Jul/2024 12:01 PM **BARCODE NO.** :01512512 **COLLECTION DATE** :04/Jul/2024 12:03PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :04/Jul/2024 12:24PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 70<sup>H</sup> 50 - 70 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 23 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % EOSINOPHILS 1<sup>L</sup> 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES % 2 - 12 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 % 0 - 1 BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 2000 - 7500 /cmm 7420<sup>H</sup> by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2438 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 106 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 636 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT Ω 0 - 110/cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 581000<sup>H</sup> /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.63<sup>H</sup> % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 11 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 /cmm 181000<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 30.5 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE KINDLY CORRELATE CLINICALLY

Dr. Vinay Chopra MD (Pathology & Microbiology)

Chairman & Consultant Pathologist

ADVICE



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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	· · · · · · · · · · · · · · · · · · ·	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist		
NAME	: Miss. AKSHITA			
AGE/ GENDER	: 14 YRS/FEMALE	PATIENT ID	: 1538126	
COLLECTED BY	:	REG. NO./LAB NO.	: 012407040037	
<b>REFERRED BY</b>	: CIVIL HOSPITAL (AMBALA CANTT)	<b>REGISTRATION DATE</b>	: 04/Jul/2024 12:01 PM	
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Test Name	Value	Unit	Biological Reference interval	

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	:04/Jul/2024 12:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	T	
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEI	DIMENTATION RATE (ES	R)
	MENTATION RATE (ESR)	79 <sup>H</sup>	mm/1st H	nr 0 - 20

as C-reactive protein

3. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as some others, such as systemic lupus erythematosus

## **CONDITION WITH LOW ESR**

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

## NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

**KOS Diagnostic Lab** (A Unit of KOS Healthcare)

CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	CL			M	
	CLI		STRY/BIOCHEMISTR	Ŷ	
			IC ACID		
JRIC ACID: SERUM by uricase - oxidas		4.2	mg/dL	2.50 - 6.80	
5. Psoriasis. 5. Sickle cell anaemia <b>B).DUE TO DECREASE</b> 1. Alcohol ingestion. 2. Thiazide diuretics. 3. Lactic acidosis. 4. Aspirin ingestion (h 5. Diabetic ketoacido 5. Renal failure due to <b>DECREASED:-</b>	<b>D EXCREATION (BY KIDNEYS)</b> ess than 2 grams per day ). sis or starvation. o any cause etc. <b>DEFICIENCY</b> of Zinc, Iron and molybdenum.				
2.Fanconi syndrome 3.Multiple sclerosis	ropriate antidiuretic hormone	(SIADH) secretion &	low purine diet etc.		





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		& Microbiology) onsultant Patholog		(Pathology) : Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
	II		HOLOGY/SEROLOGY	
		C-REACTIV	E PROTEIN (CRP)	
C-REACTIVE PROTEIN (CRP) QUANTITATIVE: 11.61 <sup>H</sup> SERUM by NEPHLOMETRY INTERPRETATION:		mg/L	0.0 - 6.0	

3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant

rejection, and to monitor these inflammatory processes. 4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history. 2. Oral contraceptives may increase CRP levels.





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	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam ( MD (F CEO & Consultant P	Pathology)
			CEO & Consultant	
IAME IGE/ GENDER	: <b>Miss. AKSHITA</b> : 14 YRS/FEMALE	DATI	INT ID	: 1538126
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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
Test Name		Value	Unit	Biological Reference interval
	RHEUMATO	DID FACTOR (RA): O	UANTITATIVE - SE	RUM
RHEUMATOID (RA) F GERUM by NEPHLOMETRY NTERPRETATION:-	ACTOR QUANTITATIVE:	5.22	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
membrane lining (syn 2. The disease spreda: 3. The diagnosis of RA measurement of RA fa CAUTION (FALSE POST 1. RA factor is not spec 2. Non rheumatoid and RA patients have a nor 3. Patients with variou. lupus erythematosus, µ 4. Anti-CCP have been specific (98%) than RA	ovium) joints which ledas to pro s from small to large joints, with is primarily based on clinical, ra ctor. <b>IVE):-</b> ific for Rheumatoid arthiritis, as it d rheumatoid arthritis (RA) popula rreactive titer and 8% of nonrheur s nonrheumatoid diseases, charact polymyositis, tuberculosis, syphilis discovered in joints of patients with	gressive joint destructi greatest damage in ear adiological & immunolo t is often present in heal tions are not clearly sep matoid patients have a p terized by chronic inflam , viral hepatitis, infection th RA, but not in other for arthiritis also show Anti	on and in most cases ly phase. gical features. The mo hy individuals with oth arate with regard to th ositive titer). mation may have posit is mononucleosis, and rrm of joint disease. An -CCP antibodies.	ti-CCP2 is HIGHLY SENSITIVE (71%) & more
5. Upto 30 % of patien 6. The positive predicti			s far greater than Rhei	

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