



	<b>Dr. Vinay Chopr</b> MD (Pathology & Micr Chairman & Consultar	robiology)	M	m <b>Chopra</b> D (Pathology) nt Pathologist	
NAME	: Master. GUNAV AGGARWAL				
AGE/ GENDER	: 4 YRS/MALE		PATIENT ID	: 1584462	
COLLECTED BY	:		<b>REG. NO./LAB NO.</b>	: 012408190024	
<b>REFERRED BY</b>	: DR. ANURAG GARG		<b>REGISTRATION DATE</b>	: 19/Aug/2024 11:03 AM	
BARCODE NO.	: 01515307		COLLECTION DATE	: 19/Aug/2024 11:10AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 19/Aug/2024 11:47AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	Т	0	
Test Name		Value	Unit	Biological Reference	interval
	COMPLETE	НАЕМС	GRAM (CBC + ESR +	· PBS)	
			LOOD COUNT (CBC)		
	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB		12.1	gm/dL	12.0 - 16.0	
by CALORIMETRIC	)	12.1	gin/ dL	12.0 - 10.0	
RED BLOOD CELL (RE		4.52	Millions	/cmm 3.50 - 5.50	
PACKED CELL VOLUN	FOCUSING, ELECTRICAL IMPEDENCE //F (PC.V)	37.4	%	35.0 - 49.0	
	AUTOMATED HEMATOLOGY ANALYZER				
MEAN CORPUSCULA	R VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	82.8	fL	80.0 - 100.0	
	AR HAEMOGLOBIN (MCH)	26.8 <sup>L</sup>	pg	27.0 - 34.0	
by CALCULATED BY	AUTOMATED HEMATOLOGY ANALYZER				
	R HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	32.3	g/dL	32.0 - 36.0	
RED CELL DISTRIBUT	TION WIDTH (RDW-CV)	13	%	11.00 - 16.00	
	AUTOMATED HEMATOLOGY ANALYZER				
	TION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	40.4	fL	35.0 - 56.0	
MENTZERS INDEX		18.32	RATIO	BETA THALASSEMIA IRON DEFICIENCY AN	
GREEN & KING INDE	ΕX	23.84	RATIO	BETA THALASSEMIA IRON DEFICIENCY AN	TRAIT:<= 65.0
WHITE BLOOD CELL	<u>s (WBCS)</u>				
TOTAL LEUCOCYTE C	COUNT (TLC) y by sf cube & microscopy	10790	/cmm	5000 - 15000	
NUCLEATED RED BLO by CALCULATED BY A MICROSCOPY	OOD CELLS (nRBCS) AUTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00	
NUCLEATED RED BLO	OOD CELLS (nRBCS) % automated hematology analyzer & OCYTE COUNT (DLC)	NIL	%	< 10 %	

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

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Dr. Vinay Chopra



Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Master. GUNAV AGGARWAL AGE/ GENDER : 4 YRS/MALE **PATIENT ID** :1584462 **COLLECTED BY** :012408190024 REG. NO./LAB NO. : **REFERRED BY** : DR. ANURAG GARG **REGISTRATION DATE** : 19/Aug/2024 11:03 AM **BARCODE NO.** :01515307 **COLLECTION DATE** :19/Aug/202411:10AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :19/Aug/202411:47AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval NEUTROPHILS** 76<sup>H</sup> % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 20 - 45 14<sup>L</sup> % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS ٥L % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 10 % 3 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % 0 - 1 BASOPHILS 0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % **IMMATURE GRANULOCTE (IG) %** 0 0 - 5.0 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT **ABSOLUTE NEUTROPHIL COUNT** 8200<sup>H</sup> /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1511 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE EOSINOPHIL COUNT** 40 - 440 0L /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 1079<sup>H</sup> 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 0 - 110 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 182000 150000 - 450000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.22 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12<sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 75000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 41.4 11.0 - 45.0 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16 % 15.0 - 17.0

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 19/Aug/2024 12:08PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDII	MENTATION RATE (ES	R)
	MENTATION RATE (ESR)	3	mm/1st h	
systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	be used to monitor disease activit ematosus WESR in with conditions that inhibit the nificantly high white blood cell cou- le cell anaemia) also lower the ES e protein (C-RP) are both markers is not change as rapidly as does CI by as many other factors as is ESR ed, it is typically a result of two ty we a higher ESR, and menstruation	normal sedimen unt (leucocytosis R. of inflammation RP, either at the t, making it a bet pes of proteins, and pregnancy	itation of red blood cells, si s), and some protein abno start of inflammation or as start of inflammation or as globulins or fibrinogen. can cause temporary eleva	rmalities. Some changes in red cell shape (such s it resolves. <b>.</b>
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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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BARCODE NO.	: 01515307	COLLECTION DATE	: 19/Aug/2024 11:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 19/Aug/2024 08:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	

## PERIPHERAL BLOOD SMEAR

## TEST NAME:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

## PERIPHERAL BLOOD FILM/SMEAR (PBF)

## RED BLOOD CELLS (RBC'S):

RBCs mostly appear normocytic & normochromic.No polychromatic cells or normoblasts noted.

# WHITE BLOOD CELLS (WBC'S):

No immature leucocytes seen.

### **PLATELETS:**

Platelets appear adequate.

## **HEMOPARASITES**:

NOT SEEN.

### **IMPRESSION:**

Normocytic normochromic picture.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 19/Aug/2024 05:55PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
Test Name		Value Unit	Biological Reference interval
		BLEEDING TIME (BT)	
BLEEDING TIME (BT) by duke method		3 MIN. 25 SEC. MINS	1 - 5



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLOTTING TIME	(CT)	
CLOTTING TIME (CT) by Capillary tube N		6 MIN. 10 SEC.	MINS	4 - 9



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		<b>iopra</b> & Microbiology) Isultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Master. GUNAV AGGARWAI	L			
AGE/ GENDER	: 4 YRS/MALE	P	ATIENT ID	: 1584462	
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BARCODE NO.	: 01515307	C	<b>DLLECTION DATE</b>	: 19/Aug/2024 11:10AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 19/Aug/2024 12:26PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	Unit	Biological Reference interval	
	PRC		E STUDIES (PT/INR)		
PT TEST (PATIENT) by PHOTO OPTICAL C	CLOT DETECTION	14	SECS	12.5 - 14.1	
PT (CONTROL) by PHOTO OPTICAL C		12	SECS		
ISI by PHOTO OPTICAL C	CLOT DETECTION	1.1			
by PHOTO OPTICAL	ORMALISED RATIO (INR)	1.18 <sup>H</sup>		0.92 - 1.14	
PT INDEX by photo optical c	CLOT DETECTION	85.71	%		
ADVICE		KINDLY COR	RELATE CLINICALLY		

#### INTERPRETATION:-

1.INR is the parameter of choice in monitoring adequacy of oral anti-coagulant therapy. Appropriate therapeutic range varies with the disease and treatment intensity.

2. Prolonged INR suggests potential bleeding disorder /bleeding complications

3. Results should be clinically correlated.

4. Test conducted on Citrated Plasma

RECOMMENDED THERAPEUTIC RANGE FOR ORAL ANTI-COAGULANT THERAPY (INR)				
INDICATION		INTERNATION	NAL NORMALIZED RATIO (INR)	
Treatment of venous thrombosis				
Treatment of pulmonary embolism				
Prevention of systemic embolism in tissue heart valves				
Valvular heart disease	Low Intensity		2.0 - 3.0	
Acute myocardial infarction				
Atrial fibrillation				
Bileaflet mechanical valve in aortic position				
Recurrent embolism				
Mechanical heart valve	High Intensity		2.5 - 3.5	
Antiphospholipid antibodies <sup>+</sup>				





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT	
Test Name		Value U	nit Biological Reference interval

#### COMMENTS:

The prothrombin time (PT) and its derived measures of prothrombin ratio (PR) and international normalized ratio (INR) are measures of the efficacy of the extrinsic pathway of coagulation. PT test reflects the adequacy of factors I (fibrinogen), II (prothrombin), V, VII, and X. It is used in conjunction with the activated partial thromboplastin time (aPTT) which measures the intrinsic pathway. The common causes of prolonged prothrombin time are :

1.Oral Anticoagulant therapy.

2.Liver disease.

3.Vit K. deficiency.

4. Disseminated intra vascular coagulation.

5.Factor 5, 7, 10 or Prothrombin dificiency

RECHECKED.





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Test Name		Value	Unit	Biological Reference interval
	ACTIVA	TED PARTIAL TH	IROMBOPLASTIN TIME	(APTT)
APTT (PATIENT VALL		39.4	SECS	33.6 - 43.8

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

#### **INTERPRETATION:-**

The activated partial thromboplastin time (aPTT or APTT) is a performance indicator measuring the efficacy of both the **intrinsic** (now referred to as the contact activation pathway) and the common coagulation pathways. Apart from detecting abnormalities in blood clotting, it is also used to monitor the treatment effects with heparin, a major anticoagulant. It is used in conjunction with the prothrombin time (PT) which measures the extrinsic pathway.

#### COMMON CAUSES OF PROLONGED APTT :-

1. Disseminated intravascular coagulation.

2. Liver disease.

3. Massive transfusion with stored blood.

4. Heparin administration or contamination.

5. A circulating Anticogulant.

6. Deficiency of a coagulation Factor other than factor 7.



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IAME	: Master. GUNAV AC : 4 YRS/MALE	JGARWAL	DATIEN	тъ	. 159.4.69
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LIENT ADDRESS		LAD DN ROAD, AMBALA CAI		ING DATE	. 19/ Aug/ 2024 01.14r M
LIENT ADDRESS	. 0349/ 1, MCHOLSC	JN ROAD, AWDALA CAI			
est Name		Value		Unit	Biological Reference interval
			VITAMINS		
		VITAMIN D/2	5 HYDROX	VITAMIN D3	
	ROXY VITAMIN D3): S Descence immunoassa			ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
NTERPRETATION:					
DEFIC		< 20			g/mL
INSUFF PREFFERE		21 - 29 30 - 100	/		g/mL g/mL
	CATION:	> 100			g/mL
ssue and tightly bou .Vitamin D plays a pi hosphate reabsorpti .Severe deficiency m <b>ECREASED:</b> .Lack of sunshine exit .Inadequate intake, .Depressed Hepatic V .Secondary to advan .Osteoporosis and Se .Enzyme Inducing dri VCREASED: . Hypervitaminosis D evere hypercalcemia AUTION: Replacement ypervitaminosis D	Ind by a transport pro rimary role in the mai on, skeletal calcium d hay lead to failure to n oosure. Malabsorption (celiac Vitamin D 25- hydroxy ced Liver disease econdary Hyperparath ugs: anti-epileptic dru b is Rare, and is seen o and hyperphophatem nt therapy in deficient ndividuals as compare	tein while in circulatior ntenance of calcium ho eposition, calcium mot nineralize newly formed disease) dase activity rroidism (Mild to Mode gs like phenytoin, phen nly after prolonged exp nia. individuals must be mo	n. preostatis. It pilization, mai d osteoid in b rate deficience nobarbital and posure to extr ponitored by p	promotes calciun nly requlated by p one, resulting in r cy) I carbamazepine, emely high doses eriodic assessmen	port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in nt of Vitamin D levels in order to prevent ciency due to excess of melanin pigment which
		*** End O	f Report *	* *	
	an	2	Thopso		

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