



	<b>Dr. Vinay Chopr</b> MD (Pathology & Micr Chairman & Consultar	obiology)	Ň	am Chopra MD (Pathology) tant Pathologist	
NAME	: Mr. KALASH BANSAL				
AGE/ GENDER	: 22 YRS/MALE		PATIENT ID	: 1560070	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407250030	
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	E : 25/Jul/2024 10:20 AM	
BARCODE NO.	: 01513785		COLLECTION DATE	: 25/Jul/2024 10:22AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 25/Jul/2024 10:48AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	Г		
Test Name		Value	Unit	Biological Reference interva	I
		HAEN	/IATOLOGY		
	COM		LOOD COUNT (CBC)		
	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB)		10.6 <sup>L</sup>	gm/dL	12.0 - 17.0	
by CALORIMETRIC			-		
RED BLOOD CELL (RE	3C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	3.44 <sup>L</sup>	Millior	ns/cmm 3.50 - 5.00	
PACKED CELL VOLUN	/IE (PCV)	32.9 <sup>L</sup>	%	40.0 - 54.0	
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR VOLUME (MCV)		95.8	fL	80.0 - 100.0	
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER				
	R HAEMOGLOBIN (MCH)	30.8	pg	27.0 - 34.0	
	R HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0	
•	UTOMATED HEMATOLOGY ANALYZER	145	0/	11.00 1/ 00	
	TON WIDTH (RDW-CV)	14.5	%	11.00 - 16.00	
RED CELL DISTRIBUT	TON WIDTH (RDW-SD)	51.8	fL	35.0 - 56.0	
by CALCULATED BY A MENTZERS INDEX	AUTOMATED HEMATOLOGY ANALYZER	27.85	RATIO	BETA THALASSEMIA TRAIT:	- 12 0
by CALCULATED		27.00	KATIO	IRON DEFICIENCY ANEMIA:	
GREEN & KING INDE	X	40.36	RATIO	BETA THALASSEMIA TRAIT:	< =
by CALCULATED				65.0	
				IRON DEFICIENCY ANEMIA:	> 65.0
WHITE BLOOD CELLS		5330	/cmm	4000 - 11000	
	Y BY SF CUBE & MICROSCOPY	000	/unim	4000 - 11000	
NUCLEATED RED BLC		NIL		0.00 - 20.00	
by CALCULATED BY A MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &				
	DOD CELLS (nRBCS) %	NIL	%	< 10 %	
by CALCULATED BY A MICROSCOPY	AUTOMATED HEMATOLOGY ANALYZER &				

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)** 



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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra

EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. KALASH BANSAL NAME AGE/ GENDER : 22 YRS/MALE **PATIENT ID** :1560070 **COLLECTED BY** : SURJESH :012407250030 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 25/Jul/2024 10:20 AM : **BARCODE NO.** :01513785 **COLLECTION DATE** : 25/Jul/2024 10:22AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 25/Jul/2024 10:48AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** % NEUTROPHILS 55 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 37 LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % MONOCYTES 6 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 2932 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT 1972 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 107 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 320 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 271000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.3 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 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 89000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 33 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.3 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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

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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. KALASH BANSAL		
AGE/ GENDER	: 22 YRS/MALE	PATIENT ID	: 1560070
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Test Name	Value	Unit	Biological Reference interval





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Test Name		Value	Unit	Biological Reference interval
	PR	OTHROMBIN TIME	STUDIES (PT/INR)	
		OTHROMBIN TIME 12.7	STUDIES (PT/INR) SECS	11.5 - 14.5
by PHOTO OPTICAL C	CLOT DETECTION			11.5 - 14.5
by PHOTO OPTICAL C PT (CONTROL) by PHOTO OPTICAL C	CLOT DETECTION	12.7	SECS	11.5 - 14.5
PT (CONTROL) by PHOTO OPTICAL C ISI by PHOTO OPTICAL C	CLOT DETECTION CLOT DETECTION CLOT DETECTION DRMALISED RATIO (INR)	12.7 12	SECS	11.5 - 14.5 0.80 - 1.20

## 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		INTERNATIO	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>				
COMMENTS:				

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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Test Name		Value Unit	Biological Reference interval

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



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Test Name		Value	Unit	Biological Reference interv	
BILIRUBIN TOTAL: S by diazotization, s		ER FUNCTION 5.23 <sup>H</sup>	TEST (COMPLETE) mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20	
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY		3.95 <sup>H</sup>	mg/dL	0.00 - 0.40	
BILIRUBIN INDIRECT	Γ (UNCONJUGATED): SERUM ECTROPHOTOMETRY	1.28 <sup>H</sup>	mg/dL	0.10 - 1.00	
SGOT/AST: SERUM	YRIDOXAL PHOSPHATE	63.99 <sup>H</sup>	U/L	7.00 - 45.00	
SGPT/ALT: SERUM	YRIDOXAL PHOSPHATE	54.76 <sup>H</sup>	U/L	0.00 - 49.00	
AST/ALT RATIO: SER		1.17	RATIO	0.00 - 46.00	
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM I'YL PHOSPHATASE BY AMINO METHYL	128	U/L	40.0 - 150.0	
	TRANSFERASE (GGT): SERUM	18	U/L	0.00 - 55.0	
TOTAL PROTEINS: SI	ERUM	6.7	gm/dL	6.20 - 8.00	
ALBUMIN: SERUM		3.98	gm/dL	3.50 - 5.50	
GLOBULIN: SERUM		2.72	gm/dL	2.30 - 3.50	
A : G RATIO: SERUM by CALCULATED, SPE	1	1.46	RATIO	1.00 - 2.00	

## **INTERPRETATION**

**NOTE:** To be correlated in individuals having SGOT and SGPT values higher than Normal Reference Range. USE: Differential diagnosis of diseases of hepatobiliary system and pancreas.

## **INCREASED:**

DRUG HEPATOTOXICITY	>2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0





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Test Name		Value	Unit	Biological Reference interval
INTRAHEPATIC CHOI	ESTATIS		> 1.5	
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased). **PROGNOSTIC SIGNIFICANCE:** 

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6

\*\*\* End Of Report \*\*\*

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