



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	crobiology)	1	am Chopra 1D (Pathology) ant Pathologist
NAME	: Mr. TARLOCHAN SINGH			
AGE/ GENDER	: 41 YRS/MALE		PATIENT ID	: 1558090
COLLECTED BY	:		REG. NO./LAB NO.	: 012407230050
REFERRED BY	:		REGISTRATION DATI	E : 23/Jul/2024 01:00 PM
BARCODE NO.	:01513686		COLLECTION DATE	: 23/Jul/2024 01:08PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 23/Jul/2024 01:16PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
		HAE	MATOLOGY	
	CON	MPLETE B	LOOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12.4	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RE		4.43	Million	ns/cmm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	4.43	TVIIIIO	5.50 - 5.00
PACKED CELL VOLUN	ЛЕ (PCV) automated hematology analyzer	38.1 ^L	%	40.0 - 54.0
MEAN CORPUSCULA	R VOLUME (MCV)	86	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER	20		27.0 24.0
	R HAEMOGLOBIN (MCH)	28	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC)	32.5	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER TON WIDTH (RDW-CV)	14.8	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER	14.0	70	11.00 - 10.00
	ION WIDTH (RDW-SD)	47.4	fL	35.0 - 56.0
MENTZERS INDEX	UTOMATED HEMATOLOGY ANALYZER	19.41	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	28.74	RATIO	
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	S (WBCS)			INON DEI IGIENGT AINEIVIIA. > 03.0
TOTAL LEUCOCYTE C		4580	/cmm	4000 - 11000
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY		, shirt	
NUCLEATED RED BLO	DOD CELLS (nRBCS) NUTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00
MICROSCOPY				
	DOD CELLS (NRBCS) %	NIL	%	< 10 %
by CALCULATED BY A MICROSCOPY	UTOMATED HEMATOLOGY ANALYZER &			

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Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	57	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	30	%	20 - 40
EOSINOPHILS	5	%	1 - 6
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
MONOCYTES	8	%	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	2611	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1374	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT	229	/cmm	40 - 440
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	227	/011111	40 - 440
ABSOLUTE MONOCYTE COUNT	366	/cmm	80 - 880
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 MARKER	<u> </u>		
PLATELET COUNT (PLT)	150000	/cmm	150000 - 450000
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
PLATELETCRIT (PCT)	0.2	%	0.10 - 0.36
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	i a H	fL	(50, 12.0
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	13 ^H	IL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC)	73000	/cmm	30000 - 90000
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
PLATELET LARGE CELL RATIO (P-LCR)	48.4 ^H	%	11.0 - 45.0
	1(0	0/	15.0.17.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	16.9	%	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			





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Test Name	Value	Unit	Biological Reference interval





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Test Name		Value	Unit	Biological Reference interva
	LIV	ER FUNCTIO	STRY/BIOCHEMISTR ON TEST (COMPLETE)	
BILIRUBIN TOTAL: S by DIAZOTIZATION, SF	ERUM PECTROPHOTOMETRY	0.45	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.18	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.27	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	24.57	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	39.5	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE		0.62	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM YL PHOSPHATASE BY AMINO METHYL	63	U/L	40.0 - 150.0
GAMMA GLUTAMYL by szasz, spectrof	. TRANSFERASE (GGT): SERUM PHTOMETRY	10	U/L	0.00 - 55.0
TOTAL PROTEINS: SE by BIURET, SPECTRO		6.9	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol g	REEN	4.67	gm/dL	3.50 - 5.50
-	ECTROPHOTOMETRY	2.23 ^L	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPI	 ECTROPHOTOMETRY	2.09 ^H	RATIO	1.00 - 2.00

INTERPRETATION

NOTE: - To be correlated in individuals having SGOT and SGPT values higher than Normal Referance 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 CHOL			> 1.5	
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	creased)

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

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

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I	SO 9001 : 2008 CERTI	IFIED LAB			EXCEL	ENCE IN HEALTHCARE	& DIAGNOSTICS	
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	Test Name			Value		Unit	Biological Reference interval	
	UREA: SERUM by UREASE - GLUTAM	ATE DEHYDROGEI	VASE (GLDH)	22.63	UREA	mg/dL	10.00 - 50.00	
		an			Juopra			
			ATHOLOGIST HOLOGY & MICROB	CONS IOLOGY) MBBS	GAM CHOPRA			
ł	KOS Central Lab: 6349/1, KOS Molecular Lab: IInd I 0171-2643898, +91 99910	Floor, Parry Hotel,	Staff Road, Opp. GF	PO, Ambala Cantt		ana	Page 6 of 8	



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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Fest Name		Value	Unit	Biological Reference interval
by ENZYMATIC, SPEC	TROPHOTOMETRY			

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		, , , , , , , , , , , , , , , , , , , ,		
Test Name		Value	Unit	Biological Reference interval
	W			
			YDROXY VITAMIN D3	
by CLIA (CHEMILUMI	DROXY VITAMIN D3): SERUM NESCENCE IMMUNOASSAY)	32.5	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
INTERPRETATION:	FICIENT:	< 20	n	J/mL
	FFICIENT:	21 - 29		j/mL
PREFFE	RED RANGE: XICATION:	30 - 100 > 100		/ /mL
conversion of 7- dih 2.25-OHVitamin D	nydrocholecalciferol to Vitamin E represents the main body reseve)3 in the skin upor oir and transport f e in circulation.	n Ultraviolet exposure. Form of Vitamin D and transp	ecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose
tissue and tightly be 3.Vitamin D plays a phosphate reabsorp 4.Severe deficiency DECREASED: 1.Lack of sunshine e 2.Inadequate intake 3.Depressed Hepati 4.Secondary to adva 5.Osteoporosis and 6.Enzyme Inducing of INCREASED: 1. Hypervitaminosis severe hypercalcem CAUTION: Replacem hypervitaminosis D	ound by a transport protein whil primary role in the maintenance otion, skeletal calcium deposition may lead to failure to mineralize exposure. e, malabsorption (celiac disease) ic Vitamin D 25- hydroxylase acti anced Liver disease Secondary Hyperparathroidism drugs: anti-epileptic drugs like pl s D is Rare, and is seen only after nia and hyperphophatemia. hent therapy in deficient individu d individuals as compare to whites	n, calcium mobiliza e newly formed os vity (Mild to Moderate nenytoin, phenoba prolonged exposu als must be monit	ation, mainly requlated by p teoid in bone, resulting in ri e deficiency) arbital and carbamazepine, f ure to extremely high doses ored by periodic assessmen	n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in t of Vitamin D levels in order to prevent fency due to excess of melanin pigment which





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