





	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. KSHTIJ			
AGE/ GENDER	: 23 YRS/MALE		PATIENT ID	: 1641346
COLLECTED BY	:		REG. NO./LAB NO.	: 012410120015
REFERRED BY	:		REGISTRATION DATE	: 12/Oct/2024 10:07 AM
BARCODE NO.	: 01518737		COLLECTION DATE	: 12/Oct/2024 10:10AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Oct/2024 10:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	ALA CANT	Г	
Test Name		Value	Unit	Biological Reference interval
		HAEN	IATOLOGY	
	CON	IPLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB) by calorimetric		14.8	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB	C) COUNT OCUSING, ELECTRICAL IMPEDENCE	5.4 ^H	Millions	'cmm 3.50 - 5.00
PACKED CELL VOLUM		44.3	%	40.0 - 54.0
MEAN CORPUSCULAF		82.1	fL	80.0 - 100.0
MEAN CORPUSCULAR	R HAEMOGLOBIN (MCH)	27.3	pg	27.0 - 34.0
	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	33.3	g/dL	32.0 - 36.0
by CALCULATED BY A	ON WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	13.6	%	11.00 - 16.00
by CALCULATED BY A	ON WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	41.9	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		15.2	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX	X	20.6	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>(WBCS)</u>			
TOTAL LEUCOCYTE CO	DUNT (TLC) ′ by sf cube & microscopy	11500 ^H	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
NEUTROPHILS	BY SF CUBE & MICROSCOPY	56	%	50 - 70

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





Dr. Vinay Chopra



Dr. Yugam Chopra

	MD (Pathology & M Chairman & Consul	licrobiology)	MD CEO & Consultant	(Pathology)
NAME :	Mr. KSHTIJ			
AGE/ GENDER : 2	23 YRS/MALE	PA	TIENT ID	: 1641346
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Test Name		Value	Unit	Biological Reference interval
LYMPHOCYTES		31	%	20 - 40
EOSINOPHILS	SF CUBE & MICROSCOPY	9 ^H	%	1 - 6
MONOCYTES	SF CUBE & MICROSCOPY	4	%	2 - 12
	SF CUBE & MICROSCOPY			2 12
BASOPHILS		0	%	0 - 1
ABSOLUTE LEUKOCYTES	SF CUBE & MICROSCOPY			
ABSOLUTE NEUTROPHIL		6440	/cmm	2000 - 7500
	SF CUBE & MICROSCOPY	7		
ABSOLUTE LYMPHOCYT	E COUNT SF CUBE & MICROSCOPY	3565	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL		1035 ^H	/cmm	40 - 440
ABSOLUTE MONOCYTE	COUNT	460	/cmm	80 - 880
ABSOLUTE BASOPHIL CC	SF CUBE & MICROSCOPY	0	/cmm	0 - 110
	SF CUBE & MICROSCOPY	0	7611111	0 110
PLATELETS AND OTHER	PLATELET PREDICTIVE MARKE	ERS.		
PLATELET COUNT (PLT)		438000	/cmm	150000 - 450000
by HYDRO DYNAMIC FOCU PLATELETCRIT (PCT)	JSING, ELECTRICAL IMPEDENCE	0.4/H	%	0.10 - 0.36
by HYDRO DYNAMIC FOC	USING, ELECTRICAL IMPEDENCE	0.46 ^H	70	0.10 - 0.30
MEAN PLATELET VOLUN	IE (MPV) JSING, ELECTRICAL IMPEDENCE	10	fL	6.50 - 12.0
PLATELET LARGE CELL C		124000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL R		28.3	%	11.0 - 45.0
PLATELET DISTRIBUTION		16.1	%	15.0 - 17.0
by HYDRO DYNAMIC FOCL	JSING, ELECTRICAL IMPEDENCE			
NOTE: TEST CONDUCTI	ED ON EDTA WHOLE BLOOD			



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	01518737		COLLECTION DATE	: 12/Oct/2024 10:10AM
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CLIENT ADDRESS : (6349/1, NICHOLSON ROAD	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		VIT	AMINS	
	VI	TAMIN D/25 H	DROXY VITAMIN D3	
by CLIA (CHEMILUMINESC	(Y VITAMIN D3): SERUM CENCE IMMUNOASSAY)	9.262 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
NTERPRETATION:	-			
DEFICIEN INSUFFICIE		< 20 21 - 29		g/mL
PREFFERED R		30 - 100		g/mL g/mL
INTOXICAT		> 100		g/mL
2.25-OHVitamin D repre- tissue and tightly bound 3. Vitamin D plays a prim. phosphate reabsorption, 4. Severe deficiency may DECREASED: 1. Lack of sunshine exposs 2. Inadequate intake, ma 3. Depressed Hepatic Vita 4. Secondary to advanced 5. Osteoporosis and Seco 6. Enzyme Inducing drugs INCREASED: 1. Hypervitaminosis D is I severe hypercalcemia and CAUTION : Replacement thypervitaminosis D	by a transport protein while ary role in the maintenance skeletal calcium deposition lead to failure to mineralize ure. labsorption (celiac disease) min D 25- hydroxylase activ l Liver disease ndary Hyperparathroidism (: anti-epileptic drugs like ph Rare, and is seen only after d hyperphophatemia. herapy in deficient individua viduals as compare to whites	ir and transport for e in circulation. of calcium homeo , calcium mobiliza newly formed ost rity Mild to Moderate enytoin, phenoba prolonged exposur als must be monito	orm of Vitamin D and transport tion, mainly regulated by p eoid in bone, resulting in r deficiency) rbital and carbamazepine, re to extremely high doses ored by periodic assessmen	port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and barathyroid 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 <i>iency due to excess of melanin pigment which</i>





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CLIENT ADDRESS :	: 6349/1, NICHOLSON ROAD, A	MBALA CAN I I			
Test Name		Value	Unit	Biological Reference interval	
VITAMIN B12/COBALA by CMIA (CHEMILUMINES INTERPRETATION:-	CENT MICROPARTICLE IMMUNOASS	255 SAY)	pg/mL	190.0 - 890.0	
INCREASED VITAMIN B12		DECREASED VITAMIN B12			
1.Ingestion of Vitamin C		1.Pregnancy			
2.Ingestion of Estrogen		2.DRUGS:Aspirin, Anti-convulsants, Colchicine			
3.Ingestion of Vitamin A		3.Ethanol Igestion			
4.Hepatocellular injury		4. Contraceptive Harmones			
5.Myeloproliferative disorder 6.Uremia 1.Vitamin B12 (cobalamin) is necessary for hematopole		5.Haemodialysis 6. Multiple Myeloma			

the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states. 7.Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.

*** End Of Report ***





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