



SWASTHYA WELLNESS PANEL: 1.5 COMPLETE BLOOD COUNT (CBC) RED BLOOD CELLS (RBCS) COUNT AND INDICES HAEMOGLOBIN (HB) by CALORMETRIC RED BLOOD CELL (RBC) COUNT AND INDICES HAEMOGLOBIN (HB) by CALORMETRIC RED BLOOD CELL (RBC) COUNT by CALORMETRIC PACKED CELL VOLUME (RCC) COUNT by ANDOM TED HEMATOLOGY ANALYZER MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HAEMOGLOBIN (MCH) 31.3 pg 27.0 - 34.0 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HAEMOGLOBIN (MCH) 31.3 pg 27.0 - 34.0 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) 32.2 gdL 32.0 - 36.0 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER RED CELL DISTRIBUTION WIDTH (RDW-SV) 14.9 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER RED CELL DISTRIBUTION WIDTH (RDW-SD) 54.3 fL BED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HE		Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P			Pathology)
COLLECTED BYI:REG. NO./LAB NO.I: 01250409001REFERRED BYI:REGISTRATION DATE:09/Apr/2025 07:07 AMBARCODE NO.I: 01528633COLLECTION DATE:09/Apr/2025 07:35 AMCLIENT CODE: KOS DIACNOSTIC LABREPORTING DATE:09/Apr/2025 08:46AMCLIENT ADDREST: 6349/1, NICHOLSON NOAD, AMBALA CANTTTest NameValueUnitBiological Reference intervSWASTHY WELLNESS PANEL: 1.5COMPLETE BLOOD COUNT (CBC)EED BLOOD CELLS (RECS) COUNT AND INDICESHAEMOGLOBIN (RB)14.9gm/dL12.0 - 17.0by CALORIME RECEIPTING LIMPEDENCEPACKED CELL VOLUME (PCV)46.1%40.0 - 54.0by CALCORINE RIC97.1fL80.0 - 100.0by CALCORINE RIC13.3pg27.0 - 34.0by CALCOLATED BY AUTOMATED HEMATOLOGY ANALYZER14.9%11.00 - 16.00PACKED CELL VOLUME (PCV)97.1fL80.0 - 100.0by CALCOLATED BY AUTOMATED HEMATOLOGY ANALYZERMEAN CORPUSCULAR HEMOGLOBIN (NCH)31.3pg7.0 - 34.0BETA THALASSEMIA TR13.0INTERNET COLL VOLUME (PCV)94.28RATIOBETA THALASSEMIA TR13.0INTERNET COLSTINE WIDTH (RDW-SD)5.4.1SUPPROFINE<	NAME	: Mr. PARVEEN GUPTA			
REFEREND BY I: REGISTRATION DATE ::09/Apr/2025 07:37 AM BARCODE NO. ::01528633 COLLECTION DATE ::09/Apr/2025 07:35 AM CLIENT CODE ::05 DIAGNOSTIC LAB REPORTING DATE ::09/Apr/2025 07:35 AM CLIENT ADDRES ::5349/1, NICHOLSON ROAD, AMBALA CANTT ::09/Apr/2025 07:36 AM Test Name Value Unit Biological Reference intervence SWASTHY WELLINESS PANEL: 1.5 COMPLETE BLOOD COUNT (CBC) PARCHOCILOBIN (HB) 14.9 gm/dL 12.0 - 17.0 by CALCOMMENT COUNT (ABC) COUNT AND INDICES HAEMOGLOBIN (HB) 14.9 gm/dL 12.0 - 17.0 by CALCOMMENT COUSING, ELECTRICAL IMPEDENCE PACKED CELL X OLUME (RCV) 97.1 fL 80.0 - 100.0 by CALCOMATED FEMATOLOGY AMAL/22ET MEAN CORPUSCULLAR HEADOGLOBIN (NCIL) 31.3 pg 27.0 - 34.0 by CALCOLATED BY AUTOMATED HEMATOLOGY AMAL/22ET gdL 32.0 - 36.0 py CALCOLATED BY AUTOMATED HEMATOLOGY AMAL/22ET gdL 32.0 - 36.0 py CALCOLATED BY AUTOMATED HEMATOLOGY AMAL/22ET gdL 32.0 - 36.0 py CALCOLATED BY AUT	AGE/ GENDER	: 60 YRS/MALE		PATIENT ID	: 1823690
BARCODE NO. : 101528633 COLLECTION DATE : 09/Apr/2025 07:35AM REPORTING DATE : 09/Apr/2025 08:46AM CLENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Value Unit Biological Reference interv SWASTHYA WELLNESS PANEL: 1.5 COMPLETE BLOOD COUNT (CBC) RED BLOOD CELLS (RBCS) COUNT AND INDICES HAEMOGLOBIN (HB) by CALCORMETRIC RED BLOOD CELLS (RBCS) COUNT AND INDICES HAEMOGLOBIN (HB) by CALCORMETRIC RED BLOOD CELL (RBCS) COUNT AND INDICES HAEMOGLOBIN (HB) by CALCORMETRIC RED BLOOD CELL (RBC) COUNT (AND INPEC MEAN CORPUSCULAR VOLUME (MCV) 97.1 fL 80 (ACCORMETRIC) MEAN CORPUSCULAR VOLUME (MCV) 97.1 fL 80 (ACCORMETRIC) MEAN CORPUSCULAR HEMOGLOBIN (MCH) 9.2 (ACCORMETA HEMO	COLLECTED BY	:		REG. NO./LAB NO.	: 012504090001
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MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) 32.2 g/dL 32.0 - 36.0 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER 11.00 - 16.00 11.00 - 16.00 RED CELL DISTRIBUTION WIDTH (RDW-CV) 14.9 % 11.00 - 16.00 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER % 11.00 - 16.00 RED CELL DISTRIBUTION WIDTH (RDW-SD) 54.3 fL 35.0 - 56.0 by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER 20.44 RATIO BETA THALASSEMIA TRA MENTZERS INDEX 20.44 RATIO BETA THALASSEMIA TRA by CALCULATED 13.0 IRON DEFICIENCY ANEM >13.0 GREEN & KING INDEX 94.28 RATIO BETA THALASSEMIA TRA by CALCULATED 94.28 RATIO BETA THALASSEMIA TRA by CALCULATED 94.28 RATIO BETA THALASSEMIA TRA c = 74.1 IRON DEFICIENCY ANEM >13.0 IRON DEFICIENCY ANEM >74.1 IRON DEFICIENCY ANEM by CALCULATED 6200 /cmm 4000 - 11000 by AUTOMATED NOT CELLS (MBCS) NIL 0.00 - 20.00	MEAN CORPUSCUI	LAR HAEMOGLOBIN (MCH)	31.3	pg	27.0 - 34.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER14.9%11.00 - 16.00RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER54.3fL35.0 - 56.0BETA THALASSEMIA TRA 13.020.44RATIOBETA THALASSEMIA TRA 13.0GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA 13.0GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA (<= 74.1)	MEAN CORPUSCU	LAR HEMOGLOBIN CONC. (MCHC)	32.2	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER54.3fL35.0 - 56.0MENTZERS INDEX by CALCULATED20.44RATIOBETA THALASSEMIA TRA 13.0GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA 13.0GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA 13.0GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA 13.0TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER6200/cmm4000 - 11000NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZERNIL0.00 - 20.00	-		14.9	%	11.00 - 16.00
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MENTZERS INDEX by CALCULATED 20.44 RATIO BETA THALASSEMIA TRA 13.0 RON DEFICIENCY ANEM >13.0 RON DEFICIENCY ANEM >10 RON DEFICIENCY ANALYZER RON DEFICIENCY ANALYZE	-		543	fI	35.0 56.0
by CALCULATED 13.0 IRON DEFICIENCY ANEM >13.0 BETA THALASSEMIA TRA <= 74.1 IRON DEFICIENCY ANEM >13.0 BETA THALASSEMIA TRA <= 74.1 IRON DEFICIENCY ANEM >= 74.1 WHITE BLOOD CELLS (WBCS) TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER 13.0 RATIO BETA THALASSEMIA TRA <= 74.1 RON DEFICIENCY ANEM >13.0 RON DEFICIENCY ANEM >10 RON DEFICIE	by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
Image: Structure of the st			20.44	RATIO	BETA THALASSEMIA TRAIT:
GREEN & KING INDEX by CALCULATED94.28RATIOBETA THALASSEMIA TRA- <= 74.1 IRON DEFICIENCY ANEM >= 74.1WHITE BLOOD CELLS (WBCS)FOR COMPARING AND COMPARING AN	,				IRON DEFICIENCY ANEMIA:
WHITE BLOOD CELLS (WBCS) IRON DEFICIENCY ANEM TOTAL LEUCOCYTE COUNT (TLC) 6200 /cmm 4000 - 11000 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NIL 0.00 - 20.00 NUCLEATED RED BLOOD CELLS (nRBCS) NIL 0.00 - 20.00		DEX	94.28	RATIO	>13.0 BETA THALASSEMIA TRAIT:
WHITE BLOOD CELLS (WBCS) >= 74.1 TOTAL LEUCOCYTE COUNT (TLC) 6200 /cmm 4000 - 11000 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NIL 0.00 - 20.00 NUCLEATED RED BLOOD CELLS (nRBCS) NIL 0.00 - 20.00	by CALCULATED				
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY6200/cmm4000 - 11000NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZERNIL0.00 - 20.00					
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NUCLEATED RED BLOOD CELLS (nRBCS) NIL 0.00 - 20.00 by AUTOMATED 6 PART HEMATOLOGY ANALYZER	WHITE BLOOD CI	ELLS (WBCS)			
NUCLEATED RED BLOOD CELLS (nRBCS) NIL 0.00 - 20.00 by AUTOMATED 6 PART HEMATOLOGY ANALYZER 0.00 - 20.00			6200	/cmm	4000 - 11000
	NUCLEATED RED	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
			NIL	%	< 10 %



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







	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. PARVEEN GUPTA			
AGE/ GENDER	: 60 YRS/MALE	PATI	ENT ID	: 1823690
COLLECTED BY		RFG	NO./LAB NO.	: 012504090001
REFERRED BY				
	:		STRATION DATE	: 09/Apr/2025 07:07 AM
BARCODE NO.	: 01528633		ECTION DATE	: 09/Apr/2025 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 09/Apr/2025 08:46AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	UTOMATED HEMATOLOGY ANALYZER			
<u>DIFFERENTIAL LE</u>	EUCOCYTE COUNT (DLC)			
NEUTROPHILS	BY SF CUBE & MICROSCOPY	60	%	50 - 70
LYMPHOCYTES		25	%	20 - 40
	BY SF CUBE & MICROSCOPY		10	20 10
EOSINOPHILS		8 ^H	%	1 - 6
	BY SF CUBE & MICROSCOPY	_		0.10
MONOCYTES	BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS		0	%	0 - 1
	BY SF CUBE & MICROSCOPY	ů l	,,,	
ABSOLUTE LEUKO	OCYTES (WBC) COUNT			
ABSOLUTE NEUTR	OPHIL COUNT	3720	/cmm	2000 - 7500
-	BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPH		1550	/cmm	800 - 4900
ABSOLUTE EOSING	BY SF CUBE & MICROSCOPY	40 cH	/cmm	40 - 440
	BY SF CUBE & MICROSCOPY	496 ^H	/emm	0-++0
ABSOLUTE MONOO	CYTE COUNT	434	/cmm	80 - 880
-	BY SF CUBE & MICROSCOPY			
ABSOLUTE BASOP	HIL COUNT BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
-	OTHER PLATELET PREDICTIV	/E MARKERS.		
PLATELET COUNT	(PLT)	250000	/cmm	150000 - 450000
	OCUSING, ELECTRICAL IMPEDENCE			
PLATELETCRIT (PO		0.25	%	0.10 - 0.36
	OCUSING, ELECTRICAL IMPEDENCE	10	cī .	6.50 12.0
MEAN PLATELET V	OLUME (MPV)	10	fL	6.50 - 12.0
	CELL COUNT (P-LCC)	68000	/cmm	30000 - 90000
	OCUSING, ELECTRICAL IMPEDENCE			
	CELL RATIO (P-LCR) DCUSING, ELECTRICAL IMPEDENCE	27.3	%	11.0 - 45.0
	BUTION WIDTH (PDW)	16.6	%	15.0 - 17.0





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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. PARVEEN GUPTA		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	Γ	
Test Name	Value	Unit	Biological Reference interval

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



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BARCODE NO.	: 01528633		ECTION DATE	: 09/Apr/2025 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 09/Apr/2025 09:12AM
			DRIING DATE	. 09/ Api/ 2025 09.12AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTI		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD by HPLC (HIGH PERFO	IAEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE	6.2 131.24	% mg/dI	4.0 - 6.4 60.00 - 140.00
	RMANCE LIQUID CHROMATOGRAPHY)	131.24	mg/dL	00.00 - 140.00
		IABETES ASSOCIATION		
	REFERENCE GROUP	GLYCOS	YLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years	<5.7		
	t Risk (Prediabetes) iagnosing Diabetes		<u>5.7 - 6.4</u> >= 6.5	
U			Age > 19 Years	
		Goals of The		< 7.0
Therapeut	ic goals for glycemic control	Actions Sugg	ested:	>8.0
		Goal of the	Age < 19 Years	<7.5

KOS Diagnostic Lab

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1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate.

4. High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		y Chopra ogy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. PARVEEN GUPTA			
AGE/ GENDER	: 60 YRS/MALE	P	ATIENT ID	: 1823690
COLLECTED BY	:	R	EG. NO./LAB NO.	: 012504090001
REFERRED BY	:	R	EGISTRATION DATE	: 09/Apr/2025 07:07 AM
BARCODE NO.	:01528633	C	OLLECTION DATE	: 09/Apr/2025 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 09/Apr/2025 09:49AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO)AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
immune disease, but 2. An ESR can be affect as C-reactive protein 3. This test may also I systemic lupus erythe CONDITION WITH LOV A low ESR can be seen (polycythaemia), sight NOTE: 1. ESR and C - reactive 2. Generally, ESR doe	does not tell the health pra ted by other conditions be be used to monitor disease matosus V ESR n with conditions that inhib	ctitioner exactly where t sides inflammation. For t activity and response to it the normal sedimenta cell count (leucocytosis), the ESR. arkers of inflammation. loes CRP, either at the st	he inflammation is in the his reason, the ESR is typ therapy in both of the at tion of red blood cells, su and some protein abnor art of inflammation or as	vicallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count malities. Some changes in red cell shape (such it resolves.





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		Chopra y & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. PARVEEN GUPTA : 60 YRS/MALE : : : 01528633 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA	RI RI CC RI	ATIENT ID 2G. NO./LAB NO. 2GISTRATION DATE 2LLECTION DATE 2PORTING DATE	: 1823690 : 012504090001 : 09/Apr/2025 07:07 AM : 09/Apr/2025 07:35AM : 09/Apr/2025 12:02PM
Test Name		Value	Unit	Biological Reference interval
GLUCOSE FASTIN		CAL CHEMIST GLUCOSE F 107.01 ^H	RY/BIOCHEMIS ASTING (F) mg/dL	STRY NORMAL: < 100.0
by GLUCOSE OXIDAS <u>INTERPRETATION</u> IN ACCORDANCE WIT 1. A fasting plasma g test (after consumpt 3. A fasting plasma g	E - PEROXIDASE (GOD-POD) H AMERICAN DIABETES ASSOCI lucose level below 100 mg/dl lucose level between 100 - 12 on of 75 ams of glucose) is rec	ATION GUIDELINES: is considered normal. 5 mg/dl is considered a commended for all such dl is highly suggestive o	as glucose intolerant or patients. of diabetic state. A repe	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for all

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Page 6 of 20





KOS Diagnostic Lab (A Unit of KOS Healthcare)

		Chopra gy & Microbiology) Consultant Pathologis		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. PARVEEN GUPTA : 60 YRS/MALE : : : 01528633 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA	AD, AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1823690 : 012504090001 : 09/Apr/2025 07:07 AM : 09/Apr/2025 07:35AM : 09/Apr/2025 01:26PM
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	171.92	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OXI		111.72	ing at	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSPH	ERUM HATE OXIDASE (ENZYMATIC)	130.41	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM on	43.56	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI		102.28	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES' by CALCULATED, SPEC		128.36	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER		26.08	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF	RUM	474.25	mg/dL	350.00 - 700.00
by CALCULATED, SPEC		3.95	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Cl MD (Pathology & Chairman & Cor		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. PARVEEN GUPTA			
AGE/ GENDER	: 60 YRS/MALE	PATI	ENT ID	: 1823690
COLLECTED BY	:	REG.	NO./LAB NO.	: 012504090001
REFERRED BY	:	REGI	STRATION DATE	: 09/Apr/2025 07:07 AM
BARCODE NO.	: 01528633	COLI	ECTION DATE	: 09/Apr/2025 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	DRTING DATE	: 09/Apr/2025 01:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		2.35	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/I by CALCULATED, SPE	HDL RATIO: SERUM	2.99 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1.Measurements in the same patient can show physiological& analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol. 2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Cow HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Dr. Yugam Chopra

	MD (Pathology & Micr Chairman & Consultar	obiology)	MD (F CEO & Consultant P	Pathology) athologist
NAME	: Mr. PARVEEN GUPTA			
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BARCODE NO.	:01528633	CO	LLECTION DATE	: 09/Apr/2025 07:35AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 09/Apr/2025 01:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB,	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER F	UNCTION 1	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SF	: SERUM PECTROPHOTOMETRY	0.92	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM	0.22	mg/dL	0.00 - 0.40
•	ECT (UNCONJUGATED): SERUM	0.7	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		29.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM	I RIDOXAL PHOSPHATE	42.1	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.7	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	72.34	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUM PHTOMETRY	1 32.89	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO		7.47	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.05	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		3.42	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	^I M	1.18	RATIO	1.00 - 2.00

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

Dr. Vinay Chopra

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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AGE/ GENDER	: 60 YRS/MALE				
		PA	FIENT ID	: 1823690	
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REFERRED BY	:	RE	GISTRATION DATE	: 09/Apr/2025 07:0	7 AM
BARCODE NO.	: 01528633	CO	LLECTION DATE	: 09/Apr/2025 07:3	5AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	:09/Apr/202501:2	6PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT			
Test Name		Value	Unit	Biologica	Reference interval
HEPATOCELLULAR CAF	RCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

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).

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

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







	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	licrobiology)		(Pathology)
NAME AGE/ GENDER	: Mr. PARVEEN GUPTA : 60 YRS/MALE		PATIENT ID	: 1823690
COLLECTED BY REFERRED BY	:		REG. NO./LAB NO. REGISTRATION DATE	: 012504090001 : 09/Apr/2025 07:07 AM
BARCODE NO. CLIENT CODE.	: : 01528633 : KOS DIAGNOSTIC LAB	IDALA CANTT	COLLECTION DATE REPORTING DATE	: 09/Apr/2025 07:07 AM : 09/Apr/2025 07:35AM : 09/Apr/2025 01:26PM
CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD, AM	Value	Unit	Biological Reference
	KIDNE		ON TEST (COMPLETI	
-	ATE DEHYDROGENASE (GLDH)	19.84	mg/dL	10.00 - 50.00
CREATININE: SERI	TROPHOTOMETERY	1.03	mg/dL	0.40 - 1.40
BLOOD UREA NITI	ROGEN (BUN): SERUM cctrophotometry	9.27	mg/dL	7.0 - 25.0
BLOOD UREA NITT RATIO: SERUM by CALCULATED, SPE	ROGEN (BUN)/CREATININE	9L	RATIO	10.0 - 20.0
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	19.26	RATIO	
URIC ACID: SERUN	Λ	4.66	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE		9.28	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH by PHOSPHOMOLYBE	ERUM DATE, SPECTROPHOTOMETRY	2.54	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	E ELECTRODE)	137.1	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.62	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	E ELECTRODE)	102.82	mmol/L	90.0 - 110.0
ESTIMATED GLO	MERULAR FILTERATION RAT	<u>E</u>		
(eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	83.2		
INTERPRETATION: To differentiate between	een pre- and post renal azotemia.			

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.



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interval

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist			
IAME	: Mr. PARVEF	N GUPTA				
GE/ GENDER	: 60 YRS/MAL	E	PA	TIENT ID	: 1823690	
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LIENT CODE.	: KOS DIAGNO			PORTING DATE	: 09/Apr/2025 01	:26PM
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AME	BALA CANTT			
			X7 - las -	TI	6 D:-1:	
est Name			Value	Uni	и B1010g1	cal Reference interval
Prerenal azotemia s ECREASED RATIO (<10 Acute tubular necro Low protein diet and Severe liver disease Other causes of dec Repeated dialysis (L	superimposed of D:1) WITH DECR Dosis. d starvation. reased urea syn	EASED BUN : hthesis.				
. SIADH (syndrome of . Pregnancy. DECREASED RATIO (<10 . Phenacimide therap . Rhabdomyolysis (re . Muscular patients v VAPPROPIATE RATIO:	nonemias (urea f inappropiate a D:1) WITH INCRI by (accelerates o eleases muscle o vho develop rel	n is virtually absent ir antidiuretic harmone) EASED CREATININE: conversion of creatin creatinine). nal failure.	n blood). I due to tubular e to creatinine)	secretion of urea.		
 SIADH (syndrome of B. Pregnancy. PECREASED RATIO (<10) Phenacimide therap Rhabdomyolysis (re Muscular patients v NAPPROPIATE RATIO: Diabetic ketoacidos hould produce an inc Cephalosporin therap 	nonemias (urea f inappropiate a 0:1) WITH INCRI by (accelerates o eleases muscle o vho develop rel vis (acetoacetat reased BUN/cro apy (interferes y	a is virtually absent ir antidiuretic harmone) EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increas eatinine ratio). with creatinine measu	n blood). 1 due to tubular e to creatinine) se in creatinine	secretion of urea.	odologies,resulting in nor	mal ratio when dehydratio
 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (<10 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v NAPPROPIATE RATIO: 	nonemias (urea f inappropiate a 0:1) WITH INCRI by (accelerates o eleases muscle o vho develop rel vis (acetoacetat reased BUN/cro apy (interferes y	a is virtually absent ir antidiuretic harmone) EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increas eatinine ratio). with creatinine measu	n blood). 1 due to tubular e to creatinine) se in creatinine urement).	secretion of urea.	odologies,resulting in nor	mal ratio when dehydratio

ESTIMATED GLOMERULAR FILTERATION RATE:								
CKD STAGE DESCRIPTION		GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS					
G1	Normal kidney function	>90	No proteinuria					
G2	Kidney damage with	>90	Presence of Protein,					
	normal or high GFR		Albumin or cast in urine					
G3a	Mild decrease in GFR	60 -89						
G3b	Moderate decrease in GFR	30-59						
G4	Severe decrease in GFR	15-29						
G5	Kidney failure	<15						

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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
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Test Name	Value	Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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	Chopra (Pathology) Pathologist			
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CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval
		IRON PR	OFILE	
IRON: SERUM by FERROZINE, SPECT	TROPHOTOMETRY	120.52	μg/dL	59.0 - 158.0
UNSATURATED IR :SERUM by FERROZINE, SPECT	ON BINDING CAPACITY (UIBC)	215.29	μg/dL	150.0 - 336.0
TOTAL IRON BIND SERUM	DING CAPACITY (TIBC)	335.81	μg/dL	230 - 430
%TRANSFERRIN S.	ATURATION: SERUM CTROPHOTOMETERY (FERENE)	35.89	%	15.0 - 50.0
TRANSFERRIN: SEL	RUM	238.43	mg/dL	200.0 - 350.0

INTERPRETATION:-

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT	
SERUM IRON: Normal to Reduced		Reduced	Normal	
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal	
% TRANSFERRIN SATURATION:	Decreased	Decreased < 12-15 %	Normal	
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased	

IRON:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC):

 It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

1.Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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		/ & Microbiology) onsultant Pathologist	Dr. Yugam C MD (Pat CEO & Consultant Pat	hology)	
NAME	: Mr. PARVEEN GUPTA				
AGE/ GENDER	: 60 YRS/MALE	PATI	ENT ID :	1823690	
COLLECTED BY	:	REG. 1	NO./LAB NO. :	012504090001	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference	interval
		ENDOCRINO	DLOGY		
	T	HYROID FUNCTION	TEST: TOTAL		
TRIIODOTHYRON by CMIA (CHEMILUMIN	INE (T3): SERUM	1.224 DASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): by CMIA (CHEMILUMIN	SERUM IESCENT MICROPARTICLE IMMUN	8.94 DASSAY)	µgm/dL	4.87 - 12.60	
	ATING HORMONE (TSH):		μIU/mL	0.35 - 5.50	
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	IESCENT MICROPARTICLE IMMUN RASENSITIVE	DASSAY)			
INTERPRETATION:					
day has influence on the		. TSH stimulates the production	and secretion of the metab	e variation is of the order of 50%.Henc olically active hormones, thyroxine (T derproduction (hypothyroidism) or	
overproduction(hyperthy	vroidism) of T4 and/or T3.	T4		TSH	
	1 13	4			

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy.

TRIIODOTH	YRONINE (T3)	THYROX	INE (T4)	THYROID STIMUL	ATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)
0 - 7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







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			/

Test Name			Value	Unit	t	Biological Reference interval	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00		
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50		
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50		
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50		
	RECOM	MENDATIONS OF TSH LE	VELS DURING PRE	GNANCY (µIU/mL)			
	1st Trimester			0.10 - 2.50			
	2nd Trimester			0.20 - 3.00			
	3rd Trimester			0.30 - 4.10			

INCREASED TSH LEVELS:

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester





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Test Name		Value	Unit	Biological Reference interval
		VITAMI	NS	
	VITAMIN	N D/25 HYDRO	XY VITAMIN D	3
	DROXY VITAMIN D3): SERUM ESCENCE IMMUNOASSAY)	5.224 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0

INTERPRETATION:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

INTER RETATION:				
DEFICIENT:	< 20	ng/mL		
INSUFFICIENT:	21 - 29	ng/mL		
PREFFERED RANGE:	30 - 100	ng/mL		
INTOXICATION:	> 100	ng/mL		

1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

2.25-OH--Vitamin D represents the main body resevoir and transport form of Vitamin D and transport form of Vitamin D, being stored in adipose tissue and tightly bound by a transport protein while in circulation.

3. Vitamin D plays a primary role in the maintenance of calcium homeostatis. It promotes calcium absorption, renal calcium absorption and phosphate reabsorption, skeletal calcium deposition, calcium mobilization, mainly regulated by parathyroid harmone (PTH). 4. Severe deficiency may lead to failure to mineralize newly formed osteoid in bone, resulting in rickets in children and osteomalacia in adults. DECREASED:

1.Lack of sunshine exposure.

2.Inadequate intake, malabsorption (celiac disease) 3.Depressed Hepatic Vitamin D 25- hydroxylase activity

4. Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

INCREASED: 1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in

severe hypercalcemia and hyperphophatemia. CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.



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Test Name		Value	Unit	Biological Reference inter	
		CLINICAL PATI	HOLOGY		
		TINE & MICROSC		NATION	
PHYSICAL EXAM	INATION				
QUANTITY RECIE	VED TANCE SPECTROPHOTOMETRY	10	ml		
COLOUR		AMBER YELLOW	N	PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		CLEAR		CLEAR	
SPECIFIC GRAVITY		1.01		1.002 - 1.030	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
CHEMICAL EXAN	<u>IINATION</u>				
REACTION		ACIDIC			
-	TANCE SPECTROPHOTOMETRY	Nagative			
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
pH by DIP STICK/REELEC		6		5.0 - 7.5	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BILIRUBIN		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
	TANCE SPECTROPHOTOMETRY	Normai	E0/uL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
,	TANCE SPECTROPHOTOMETRY	Need			
BLOOD		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID		NEGATIVE (-ve))	NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
MICD OCODIC TO					

Dr. Vinay Chopra

MICROSCOPIC EXAMINATION



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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELL by MICROSCOPY ON C	S (RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 5
EPITHELIAL CELL	S	1-2	/HPF	ABSENT

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CRYSTALS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA NEGATIVE (-ve) NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT NEGATIVE (-ve) OTHERS NEGATIVE (-ve) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA) ABSENT ABSENT by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***





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