

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. MANMEET SINGH : 35 YRS/MALE : SURJESH : : 01524604 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/	R R C R	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1738628 : 012501290025 : 29/Jan/2025 10:39 AM : 29/Jan/2025 10:49AM : 29/Jan/2025 11:04AM
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS			LNESS PANEL: 1.2 OD COUNT (CBC)	
HAEMOGLOBIN (HE		16	gm/dL	12.0 - 17.0
RED BLOOD CELL (F		5.27 ^H	Millions/c	emm 3.50 - 5.00
PACKED CELL VOLU		47.1	%	40.0 - 54.0
MEAN CORPUSCULA		89.5	fL	80.0 - 100.0
MEAN CORPUSCULA	ITOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	30.4	pg	27.0 - 34.0
MEAN CORPUSCULA	AR HEMOGLOBIN CONC. (MCHC)	33.9	g/dL	32.0 - 36.0
RED CELL DISTRIBU	JTOMATED HEMATOLOGY ANALYZER (TION WIDTH (RDW-CV)	13.7	%	11.00 - 16.00
RED CELL DISTRIBU	ITOMATED HEMATOLOGY ANALYZER ITION WIDTH (RDW-SD) ITOMATED HEMATOLOGY ANALYZER	46.1	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		16.98	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND by calculated WHITE BLOOD CEL		23.3	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
FOTAL LEUCOCYTE	COUNT (TLC)	4720	/cmm	4000 - 11000
	by sf cube & microscopy LOOD CELLS (nRBCS)	NIL		0.00 - 20.00
by AUTOMATED 6 PAR NUCLEATED RED BI	t hematology analyzer LOOD CELLS (nRBCS) % itomated hematology analyzer	NIL	%	< 10 %

KOS Diagnostic Lab (A Unit of KOS Healthcare)





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) 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 : Mr. MANMEET SINGH AGE/ GENDER : 35 YRS/MALE **PATIENT ID** :1738628 **COLLECTED BY** : SURJESH :012501290025 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 29/Jan/2025 10:39 AM : **BARCODE NO.** :01524604 **COLLECTION DATE** : 29/Jan/2025 10:49AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 29/Jan/2025 11:04AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC)** NEUTROPHILS 52 % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 38 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 2454 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1794 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 189 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 283 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 335000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.34 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 10 fL. 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 89000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 26.7% 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





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AME	: Mr. MANME	ET SINGH			
GE/ GENDER	: 35 YRS/MAL	E		PATIENT ID	: 1738628
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est Name			Value	Unit	Biological Reference interval
olycythaemia), sigi sickle cells in sick OTE: ESR and C - reactiv Generally, ESR doe CRP is not affected If the ESR is elevat Women tend to ha	hificantly high wi le cell anaemia) es not change as l by as many othe ed, it is typically we a higher ESR, tran, methyldopa	hite blood cell c also lower the l are both marke rapidly as does er factors as is E a result of two and menstruati a, oral contrace	count (leucocytosis ESR. CRP, either at the SR, making it a bet types of proteins, on and pregnancy	s), and some protein abn start of inflammation or a ter marker of inflammatic globulins or fibrinogen. can cause temporary elev	on.





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		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
	CLIN	CAL CHEMISTI GLUCOSE FA	RY/BIOCHEMIST ASTING (F)	'nRY
GLUCOSE FASTING by GLUCOSE OXIDAS	(F): PLASMA E - PEROXIDASE (GOD-POD)	101.99 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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Test Name		Value	Unit	Biological Reference interval
		LIPID PROI	FILE : BASIC	
CHOLESTEROL TOT	TAL: SERUM	192.47	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX				BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: S		133.82	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROI by SELECTIVE INHIBIT	L (DIRECT): SERUM	53.17	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
.,				60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		112.54	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.
<i>by one of e</i>				BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST	TEROL: SERUM	139.3 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CTROPHOTOMETRY		U	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
		00.70	/ 17	VERY HIGH: $> OR = 220.0$
VLDL CHOLESTERC by CALCULATED, SPE		26.76	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	UM	518.76	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HD		3.62	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE		5.02	KATIO	AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0

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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.12	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.52 ^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.

3. Low 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. 4. 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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Test Name	_	Value	Unit	Biological Reference interval
	LIVER	FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SE	: SERUM PECTROPHOTOMETRY	1.01	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.24	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.77	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	14.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	29.7	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.5	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	IATASE: SERUM yl phosphatase by amino methyl	92.63	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM	30.67	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.24	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.39	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE	1	2.85	gm/dL	2.30 - 3.50
A : G RATIO: SERUN	M	1.54	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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Test Name		Value Unit	Biological Reference interval

DECREASED:

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



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	KIDNI	EY FUNCTION '	TEST (COMPLETE)	
UREA: SERUM	MATE DEHYDROGENASE (GLDH)	19.23	mg/dL	10.00 - 50.00
CREATININE: SER		1.06	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM ECTROPHOTOMETRY	8.99	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	8.48 ^L	RATIO	10.0 - 20.0
UREA/CREATININ by CALCULATED, SPI	IE RATIO: SERUM ECTROPHOTOMETRY	18.14	RATIO	
URIC ACID: SERUM		4.71	mg/dL	3.60 - 7.70
CALCIUM: SERUM	ECTROPHOTOMETRY	9.67	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI		2.7	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV		140.58	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	4.95	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	Л	105.44	mmol/L	90.0 - 110.0
	IERULAR FILTERATION RATE	93.9		
	veen 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.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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Test Name			Value	Uni	it	Biologica	l Reference interva
 Excess protein inta burns, surgery, cache 7. Urine reabsorption Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 	kia, high fever (e.g. ureter cc ass (subnorma tetracycline, <u>c</u> D:1) WITH ELE (BUN rises dis superimposed 0:1) WITH DEC	lostomy) al creatinine production) llucocorticoids) /ATED CREATININE LEVEL sproportionately more th on renal disease.	S:			ing's syndron	ne, high protein diet,
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (2. Prerenal azotemia DECREASED RATIO (1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 3. Pregnancy. DECREASED RATIO (1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther	ke or producti kia, high fever (e.g. ureter cc ass (subnorma tetracycline, g D:1) WITH ELE (BUN rises dis superimposed D:1) WITH DEC osis. d starvation. treased ureas urea rather th nonemias (ur f inappropiate D:1) WITH INC oy (accelerate eleases muscle who develop r sis (acetoaceta treased BUN/o apy (interfere LAR FILTERATI). Indext of the second secon	S: an creatinine; t of extracellu lood). ue to tubular co creatinine) in creatinine ement). GFR (mL/) (e.g. obstructive ular fluid). secretion of urea	europathy).	ting in norma FINDINGS inuria	
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	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mr. MANMEET SINGH		
AGE/ GENDER	: 35 YRS/MALE	PATIENT ID	: 1738628
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012501290025
REFERRED BY	:	REGISTRATION DATE	: 29/Jan/2025 10:39 AM
BARCODE NO.	: 01524604	COLLECTION DATE	: 29/Jan/2025 10:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 29/Jan/2025 11:43AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
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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	MD (Patholog	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
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BARCODE NO.	:01524604		COLLECTION DATE	: 29/Jan/2025 10:49AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Jan/2025 12:16PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANT'	г		
Test Name		Value	Unit	Biological Reference interval	
			CRINOLOGY		
		FHYROID FUN	CTION TEST: TOTA	-	
TRIIODOTHYRONI	NE (T3): SERUM ESCENT MICROPARTICLE IMMUN	0.957	ng/mI	0.35 - 1.93	
THYROXINE (T4): S		7.25	μgm/c	L 4.87 - 12.60	
	TING HORMONE (TSH): SI		μIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE				
day has influence on the trilodothyronine (T3).Fai	measured serum TSH concentration	s. TSH stimulates the p	roduction and secretion of the	Dpm. The variation is of the order of 50%.Hence time of t metabolically active hormones, thyroxine (T4)and ther underproduction (hypothyroidism) or	
CLINICAL CONDITION	Т3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or	Low Normal	Normal or Low Normal	High	

LIMITATIONS:-

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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.

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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.

TRIIODOTHYRONINE (T3)		THYROXINE (T4)		THYROID STIMULATING HORMONE (TSH)		
Age Refferance A Range (ng/mL)		Age	Age Refferance Range (µg/dL)		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	
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	

Increased

Normal or High Normal





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	crobiology) MI	m Chopra D (Pathology) nt Pathologist
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AGE/ GENDER	: 35 YRS/MALE	PATIENT ID	: 1738628
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT	
Test Name		Value Unit	Biological Reference interval
1 - 10 Years 0	.92 - 2.28 1 - 10 Years	6.00 - 13.80 1 - 10 Years 0.6	60 - 5 50

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	
	RECOMI	MENDATIONS OF TSH LE	VELS DURING PREGN	IANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		Ī
	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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Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	Microbiology) MD (Pathology)		(Pathology)
IEET SINGH LE IOSTIC LAB CHOLSON ROAD, AMBALA	COLLECTIO REPORTIN	AB NO. TION DATE ON DATE	: 1738628 : 012501290025 : 29/Jan/2025 10:39 AM : 29/Jan/2025 10:49AM : 29/Jan/2025 11:08AM
Val	lue	Unit	Biological Reference interval
CLIN URINE ROUTINE	ICAL PATHO & MICROSCOP		ATION
OPHOTOMETRY	MBER YELLOW EAR	ml	PALE YELLOW CLEAR 1.002 - 1.030
OPHOTOMETRY Ne OPHOTOMETRY Ne OPHOTOMETRY 7 OPHOTOMETRY Ne OPHOTOMETRY Ne OPHOTOMETRY Ne OPHOTOMETRY Ne OPHOTOMETRY Ne	egative egative egative egative ormal egative egative	EU/dL	NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve) NEGATIVE (-ve) 0.2 - 1.0 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)
орно орно орно орно орно орно	TOMETRY Nei TOMETRY Nei TOMETRY 7 TOMETRY Nei TOMETRY Nei TOMETRY Nei TOMETRY Nei TOMETRY Nei TOMETRY Nei	Negative Negative Negative Negative Negative Negative Negative Negative Negative Normal Negative	TOMETRY Negative TOMETRY Negative TOMETRY 7 TOMETRY 7 TOMETRY Negative TOMETRY Negative



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME

AGE/ GENDER



Dr. Yugam Chopra

REGISTRATION DATE

COLLECTION DATE

REPORTING DATE

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **PATIENT ID** REG. NO./LAB NO.

COLLECTED BY REFERRED BY : **BARCODE NO.** :01524604 **CLIENT CODE. CLIENT ADDRESS**

: Mr. MANMEET SINGH : 35 YRS/MALE : SURJESH : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT

MD (Pathology) CEO & Consultant Pathologist :1738628

> :012501290025 : 29/Jan/2025 10:39 AM : 29/Jan/2025 10:49AM : 29/Jan/2025 11:08AM

Value	Unit	Biological Reference interval
2-3	/HPF	0 - 5
1-2	/HPF	ABSENT
NEGATIVE (-ve)		NEGATIVE (-ve)
ABSENT		ABSENT
	2-3 1-2 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)	2-3 /HPF 1-2 /HPF NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

End Of Report





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