



	Dr. Vinay Chopi		Dr. Yugam	
	MD (Pathology & Mic Chairman & Consulta			(Pathology) : Pathologist
NAME	: Mr. AMANDEEP SINGH			
AGE/ GENDER	: 34 YRS/MALE		PATIENT ID	: 1740828
COLLECTED BY	:		REG. NO./LAB NO.	:012501310013
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 31/Jan/2025 09:22 AM
BARCODE NO.	: 01524687		COLLECTION DATE	: 31/Jan/2025 09:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 31/Jan/2025 10:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	SW/A ST	HVA WE	LLNESS PANEL: 1.5	5
			DOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H)		13.7	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (	RBC) COUNT	5.3 <sup>H</sup>	Millions	/cmm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLU	JME (PCV) UTOMATED HEMATOLOGY ANALYZER	42.3	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV) utomated hematology analyzer	79.9 <sup>L</sup>	fL	80.0 - 100.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	25.9 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	32.4	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	15.2	%	11.00 - 16.00
,	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	45.6	fL	35.0 - 56.0
	UTOMATED HEMATOLOGY ANALYZER	45.0		
MENTZERS INDEX by CALCULATED		15.08	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
CDEEN & RING IND	νEV	22.96	RATIO	>13.0 BETA THALASSEMIA TRAIT:<;
GREEN & KING IND by CALCULATED	JEX	22.90	RATIO	65.0
				IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CE	LLS (WBCS)			65.0
TOTAL LEUCOCYTE	COUNT (TLC)	10490	/cmm	4000 - 11000
		NIL		0.00 - 20.00
by AUTOMATED 6 PAF	RT HEMATOLOGY ANALYZER			
	LOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
NUCLEATED RED B by AUTOMATED 6 PAF NUCLEATED RED B	LOOD CELLS (nRBCS) %	NIL NIL	%	0.00 - 20.00 < 10 %





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 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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NAME

AGE/ GENDER

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**REFERRED BY** 

**BARCODE NO.** 

**CLIENT CODE.** 

**CLIENT ADDRESS** 



Dr. Yugam Chopra

CEO & Consultant Pathologist

MD (Pathology)

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:012501310013

: 31/Jan/2025 09:22 AM

: 31/Jan/2025 09:23AM

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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist : Mr. AMANDEEP SINGH **PATIENT ID** : 34 YRS/MALE REG. NO./LAB NO. : **REGISTRATION DATE** : **COLLECTION DATE** :01524687 : KOS DIAGNOSTIC LAB **REPORTING DATE** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by sf cube & microscopy	61	%	50 - 70
LYMPHOCYTES by flow cytometry by sf cube & microscopy	30	%	20 - 40
EOSINOPHILS by flow cytometry by SF cube & microscopy	2	%	1 - 6
MONOCYTES by flow cytometry by SF cube & microscopy	7	%	2 - 12
BASOPHILS by flow cytometry by SF cube & microscopy	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	6399	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	3147	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	210	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by sf cube & microscopy	734	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	383000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.42 <sup>H</sup>	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	127000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	33.1	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.2	%	15.0 - 17.0



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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORT	ING DATE	: 31/Jan/2025 01:28PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,			
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGL	OBIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):	5.4	%	4.0 - 6.4
ESTIMATED AVERAG		108.28	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (ADA):		
RE	FERENCE GROUP	GLYCOSYLATED HEN	OGLOGIB (HBAIC) in	%
	Non diabetic Adults >= 18 years <5.7			
	lisk (Prediabetes)		- 6.4	
Dia	gnosing Diabetes		6.5	
			19 Years	
Therapoutic	goals for alveemic control	Goals of Therapy:	< 7.0	
Therapeutic	goals for glycemic control	Actions Suggested:	<pre>&lt; /.0 &gt;8.0 </pre>	

# COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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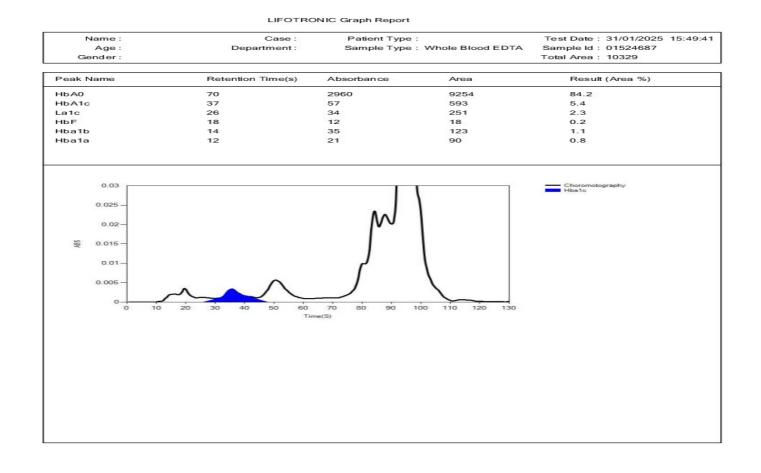
DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







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Test Name		Value Unit	Biological Reference interval





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LIENI ADDRESS	. 0349/ 1, MCHOLSON KOAL	, AMDALA CANT I		
fest Name		Value	Unit	<b>Biological Reference interval</b>
	ERYTH	ROCYTE SEDIMEN	TATION RATE (	ESR)
RYTHROCYTF SF	DIMENTATION RATE (ESR)	37 <sup>H</sup>	mm/1st	
by RED CELL AGGRE ITERPRETATION: ESR is a non-speci nmune disease, bu An ESR can be affi s C-reactive proteir	GATION BY CAPILLARY PHOTOME fic test because an elevated res t does not tell the health practit ected by other conditions beside	TRY sult often indicates the p tioner exactly where the es inflammation. For this	inflammation is in the sreason, the ESR is ty	pically used in conjunction with other test such
by RED CELL AGGRE ITERPRETATION: ESR is a non-speci- nmune disease, bu An ESR can be affred s C-reactive protein This test may also ystemic lupus eryth ONDITION WITH LC low ESR can be served bolycythaemia), sig s sickle cells in sick OTE: ESR and C - reactive Generally, ESR do CRP is not affected. If the ESR is eleva	EGATION BY CAPILLARY PHOTOME fic test because an elevated rest t does not tell the health practit ected by other conditions beside be used to monitor disease act mematosus <b>IVV ESR</b> en with conditions that inhibit to nificantly high white blood cell le cell anaemia) also lower the ve protein (C-RP) are both market es not change as rapidly as does d by as many other factors as is is ted, it is typically a result of two	TRY sult often indicates the p tioner exactly where the es inflammation. For this tivity and response to th he normal sedimentatio count (leucocytosis), ar ESR. ers of inflammation. s CRP, either at the start ESR, making it a better m o types of proteins, glob	inflammation is in the s reason, the ESR is ty erapy in both of the a n of red blood cells, s id some protein abno of inflammation or a: arker of inflammation ulins or fibrinogen.	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. <b>h</b> .
by RED CELL AGGRE ITERPRETATION: ESR is a non-speci- nune disease, bu An ESR can be affred s C-reactive protein This test may also vstemic lupus eryth DNDITION WITH LC Iow ESR can be served objycythaemia), sig s sickle cells in sick OTE: ESR and C - reactive Generally, ESR do CRP is not affected If the ESR is eleval Women tend to h. Drugs such as dex	FIGATION BY CAPILLARY PHOTOME fic test because an elevated rest t does not tell the health practit ected by other conditions beside be used to monitor disease act mematosus WW ESR en with conditions that inhibit to nificantly high white blood cell the cell anaemia) also lower the ve protein (C-RP) are both market es not change as rapidly as does d by as many other factors as is is ted, it is typically a result of two ave a bioher FSR, and menstruat	TRY sult often indicates the p tioner exactly where the es inflammation. For this tivity and response to th he normal sedimentatio count (leucocytosis), ar ESR. ers of inflammation. s CRP, either at the start <b>ESR, making it a better m</b> o types of proteins, glob tion and pregnancy can c	inflammation is in the s reason, the ESR is ty erapy in both of the a n of red blood cells, s ad some protein abno of inflammation or a <b>varker of inflammation</b> ulins or fibrinogen. ause temporary eleva	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. <b>h</b> .





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAL	), AMBALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN		STRY/BIOCHEMIST E FASTING (F)	TRY
GLUCOSE FASTING by GLUCOSE OXIDAS	F (F): PLASMA E - PEROXIDASE (GOD-POD)	92.94	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

**IN ACCRDANCE 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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CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAI		ORTING DATE	: 31/Jan/2025 03:07PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFII	LE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		221.59 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
FRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	384.92 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM Tion	39.28	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		105.33	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, spe	TEROL: SERUM ECTROPHOTOMETRY	182.31 <sup>H</sup>	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	OL: SERUM Ectrophotometry	76.98 <sup>H</sup>	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SEI		828.1 <sup>H</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		5.64 <sup>H</sup>	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.68	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	9.8 <sup>H</sup>	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	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI		0.48	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	(CONJUGATED): SERUM	0.12	mg/dL	0.00 - 0.40
	CT (UNCONJUGATED): SERUM	0.36	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	17.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	25.3	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	0.7	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	99.81	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	29.69	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.62	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.5	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	3.12	gm/dL	2.30 - 3.50
A : G RATIO: SERUI		1.44	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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#### **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).

PROGNOSTIC	SIGNIFICANCE:

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



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NAME	: Mr. AMANDEEP SINGH			
AGE/ GENDER	: 34 YRS/MALE		PATIENT ID	: 1740828
COLLECTED BY	:		REG. NO./LAB NO.	: 012501310013
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 31/Jan/2025 09:22 AM
BARCODE NO.	: 01524687		COLLECTION DATE	: 31/Jan/2025 09:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 31/Jan/2025 03:07PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	37.64	mg/dL	10.00 - 50.00
CREATININE: SER	UM	1.22	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC	CTROPHOTOMETERY ROGEN (BUN): SERUM	17.59	mg/dL	7.0 - 25.0
	ECTROPHOTOMETRY	17.55	ilig/ uL	7.0 - 23.0
	ROGEN (BUN)/CREATININE	14.42	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ	E RATIO: SERUM	30.85	RATIO	
URIC ACID: SERUM	ECTROPHOTOMETRY 1	7.15	mg/dL	3.60 - 7.70
by URICASE - OXIDAS				
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.74	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH	ERUM	3.61	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBI ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		138.5	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	· · · · · · · · · · · · · · · · · · ·			
POTASSIUM: SERU by ISE (ION SELECTIV		4.95	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	1	103.88	mmol/L	90.0 - 110.0
	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	IERULAR FILTERATION RATE	79.8		

INTERPRETATION:

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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		<b>Dr. Vinay Chopr</b> 1D (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist					
NAME	: Mr. AMANDI	EP SINGH							
AGE/ GENDER	: 34 YRS/MALE		P	ATIENT ID	: 1	740828			
COLLECTED BY			R	EG. NO./LAB NO.	: (	)125013100	13		
REFERRED BY				EGISTRATION DA		31/Jan/2025 0			
BARCODE NO.	:01524687			DLLECTION DATI		31/Jan/2025 0			
CLIENT CODE.	: KOS DIAGNOS	STIC LAB	R	EPORTING DATE	3 :3	31/Jan/20250	3:07PM		
CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AMB	ALA CANTT						
Test Name			Value	Uni	it	Biolog	gical Refe	erence int	erval
INCREASED RATIO (>2 1. Postrenal azotemia	(BUN rises dispr	TED CREATININE LEV oportionately more	ELS:	e) (e.g. obstructive	uropathy).				
INCREASED RATIO (>2	0:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. Id starvation. 2. creased urea syn urea rather than monemias (urea of inappropiate al 0:1) WITH INCRE py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w ULAR FILTERATION Norr Kic	cocorticoids) <b>TED CREATININE LEV</b> oportionately more in renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses is virtually absent in itidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatin reatinine). al failure. causes false increase atinine ratio). ith creatinine measu <b>IRATE:</b> <b>DESCRIPTION</b> nal kidney function Iney damage with	ELS: than creatinine blood). due to tubular e to creatinine) se in creatinine urement).	ular fluid). secretion of urea.	hodologies, ASSOCIA	ATED FINDINGS proteinuria ce of Protein ,	<u>S</u>	o when del	hydrat
NCREASED RATIO (>2 1. Postrenal azotemia 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 of 8. Pregnancy. DECREASED RATIO (< 6. Phenacimide thera 9. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido 5. Nould produce an in 2. Cephalosporin ther <u>ESTIMATED GLOMERU</u> <u>CKD STAGE</u> <u>G1</u> <u>G2</u>	0:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. Id starvation. 2. creased urea syn urea rather than monemias (urea of inappropiate al 0:1) WITH INCRE py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/cre apy (interferes w UAR FILTERATION Norr Kic no	cocorticoids) <b>TED CREATININE LEV</b> oportionately more in renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses is virtually absent in ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatin reatinine). al failure. causes false increase atinine ratio). rith creatinine measu <b>IRATE:</b> <b>DESCRIPTION</b> nal kidney function Iney damage with rmal or high GFR.	ELS: than creatinine blood). due to tubular e to creatinine) se in creatinine urement).	ular fluid). secretion of urea. with certain meth <u>(min/1.73m2)</u> >90 >90	hodologies, ASSOCIA	ATED FINDINGS	<u>S</u>	o when del	hydrat
NCREASED RATIO (>2 1. Postrenal azotemia 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 of 8. Pregnancy. DECREASED RATIO (< 6. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther <u>ESTIMATED GLOMERU</u> <u>G1</u> <u>G2</u> <u>G3a</u>	0:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. Id starvation. 2. creased urea syn urea rather than monemias (urea if inappropiate an 0:1) WITH INCRE py (accelerates c eleases muscle c who develop ren : sis (acetoacetate creased BUN/crea and Starvation Miltight and Starvation Norre- Norre- Miltight and Starvation Nither Starvation Norre- Norre- Nither Starvation Nither Starvatio	cocorticoids) <b>TED CREATININE LEV</b> oportionately more a renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses is virtually absent ir ntidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatin reatinine). al failure. causes false increase atinine ratio). ith creatinine measu <b>IRATE:</b> <b>DESCRIPTION</b> nal kidney function Iney damage with rmal or high GFR d decrease in GFR	ELS: than creatinine blood). due to tubular e to creatinine) se in creatinine urement). GFR ( mL/	ular fluid). secretion of urea. with certain meth <u>(min/1.73m2 )</u> >90 >90 >90	hodologies, ASSOCIA	ATED FINDINGS proteinuria ce of Protein ,	<u>S</u>	o when del	hydrat
INCREASED RATIO (>2 1. Postrenal azotemia 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 of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1 G2	0:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. Id starvation. 2. creased urea syn urea rather than monemias (urea if inappropiate an 0:1) WITH INCRE py (accelerates c eleases muscle c who develop rent: sis (acetoacetate creased BUN/creater and Starvation LAR FILTERATION Norr Norr Nite Mode	cocorticoids) <b>TED CREATININE LEV</b> oportionately more in renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses is virtually absent in itidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatin reatinine). al failure. causes false increase atinine ratio). ith creatinine measu <b>IRATE:</b> <b>DESCRIPTION</b> nal kidney function Iney damage with rmal or high GFR.	ELS: than creatinine blood). due to tubular e to creatinine arement). GFR (mL/	ular fluid). secretion of urea. with certain meth <u>(min/1.73m2)</u> >90 >90	hodologies, ASSOCIA	ATED FINDINGS proteinuria ce of Protein ,	<u>S</u>	o when del	hydrat





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







	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	robiology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. AMANDEEP SINGH		
AGE/ GENDER	: 34 YRS/MALE	PATIENT ID	: 1740828
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012501310013
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 31/Jan/2025 09:22 AM
BARCODE NO.	: 01524687	COLLECTION DATE	: 31/Jan/2025 09:23AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB.	ALA CANTT	
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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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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NAME	: Mr. AMAND	EEP SINGH			
AGE/ GENDER	: 34 YRS/MAL	E		PATIENT ID	: 1740828
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BARCODE NO.	:01524687			COLLECTION DATE	: 31/Jan/2025 09:23AM
CLIENT CODE.	: KOS DIAGNO	STIC LAB		<b>REPORTING DATE</b>	: 31/Jan/2025 04:03PM
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AM	BALA CANTT		
Test Name			Value	Unit	<b>Biological Reference interval</b>
			IRON	PROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	,	38.3 <sup>L</sup>	μg/dL	59.0 - 158.0
UNSATURATED IR		, , , ,	298.49	µg/dL	150.0 - 336.0
by FERROZINE, SPEC TOTAL IRON BIND SERUM by SPECTROPHOTOM	ING CAPACITY		336.79	µg/dL	230 - 430
%TRANSFERRIN S. by CALCULATED, SPE	ATURATION: S		11.37 <sup>L</sup>	%	15.0 - 50.0
TRANSFERRIN: SE	RUM		239.12	mg/dL	200.0 - 350.0
INTERPRETATION:-	1.50				
VARIAB	VARIABLES ANEMIA OF CHRO		WIC DISEASE	IRON DEFICIENCY ANEMIA	Α THALASSEMIA α/β TRAIT

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
IDON			

#### IRON:

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	obiology)	ME	n Chopra 9 (Pathology) t Pathologist
: Mr. AMANDEEP SINGH			
: 34 YRS/MALE		PATIENT ID	: 1740828
:		REG. NO./LAB NO.	: 012501310013
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: 01524687		COLLECTION DATE	: 31/Jan/2025 09:23AM
: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 31/Jan/2025 11:33AM
: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT	ſ	
	Value	Unit	Biological Reference interval
	ENDO(	RINOLOGY	
THYRO	DID FUN	CTION TEST: TOTAL	
	0.869	ng/mL	0.35 - 1.93
ERUM	6.46	µgm/dI	4.87 - 12.60
	1.361	µIU/mL	0.35 - 5.50
ASENSITIVE			
ASENSITIVE			
rcadian variation, reaching peak levels betwe			om. The variation is of the order of 50%.Hence time of th
rcadian variation, reaching peak levels betwe leasured serum TSH concentrations. TSH stim ire at any level of regulation of the hypotha	nulates the pr	roduction and secretion of the r	netabolically active hormones, thyroxine (T4)and
rcadian variation, reaching peak levels betwe peasured serum TSH concentrations. TSH stim ire at any level of regulation of the hypotha oidism) of T4 and/or T3.	nulates the pr	roduction and secretion of the r ry-thyroid axis will result in eith	netabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or
rcadian variation, reaching peak levels betwe leasured serum TSH concentrations. TSH stim ire at any level of regulation of the hypotha	nulates the pr	roduction and secretion of the r ry-thyroid axis will result in eith	netabolically active hormones, thyroxine (T4)and
	Chairman & Consultar  : Mr. AMANDEEP SINGH  : 34 YRS/MALE  :  : : : : : : : : : : : : : : : : :	: Mr. AMANDEEP SINGH : 34 YRS/MALE : : 01524687 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value ENDOC THYROID FUNC (E (T3): SERUM 0.869 ESCENT MICROPARTICLE IMMUNOASSAY) ERUM 6.46 ESCENT MICROPARTICLE IMMUNOASSAY) FING HORMONE (TSH): SERUM 1.361	CEO & Consultant         Image: Structure of the struct

	ALT /	1	ALC:
LIN	/11   #	4 H U	NS:-

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.

TRIIODOTH	YRONINE (T3)	THYROX	INE (T4)	THYROID STIMU	LATING 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
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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CLIENT CODE.	: KOS DIAGN	NOSTIC LAB		<b>REPORTING DATE</b>	: 31/Jan/2025 11:33AM
CLIENT ADDRESS	: 6349/1, N	ICHOLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	<b>Biological Reference interval</b>
1 - 10 Years	0.92 - 2.28	1 - 10 Vears	6 00 - 13 80	1 - 10 Years 0.6	0 - 5 50

1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	1
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	1
	RECOM	MENDATIONS OF TSH LI	EVELS 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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NAME	: Mr. AMANDEEP SINGH			
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BARCODE NO.	: 01524687		COLLECTION DATE	: 31/Jan/2025 09:23AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 31/Jan/2025 04:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	ſ	
Test Name		Value	Unit	Biological Reference interval
				0
VITAMIN D (25-HYI	<b>VITA</b> I DROXY VITAMIN D3): SERUM		Γ <b>AMINS</b> YDROXY VITAMIN D ng/mL	<b>3</b> DEFICIENCY: < 20.0
	ESCENCE IMMUNOASSAY)	12.1	o	INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
	CIENT:	< 20	n	g/mL
	ICIENT:	21 - 29		g/mL
	D RANGE:	30 - 100		g/mL
	CATION:	> 100	n	g/mL lecalciferol (from animals, Vitamin D3), or by
2.25-OHVitamin D re tissue and tightly bou 3.Vitamin D plays a p phosphate reabsorpti 4.Severe deficiency m <b>DECREASED:</b> 1.Lack of sunshine exi 2.Inadequate intake, 3.Depressed Hepatic 4.Secondarv to advan 5.Osteoporosis and Se 6.Enzyme Inducing dr <b>INCREASED:</b> 1. Hypervitaminosis D severe hypercalcemia <b>CAUTION:</b> Replaceme hypervitaminosis D	Ind by a transport protein while is rimary role in the maintenance of on, skeletal calcium deposition, ( aay lead to failure to mineralize n posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activit ced Liver disease econdary Hyperparathroidism (M ugs: anti-epileptic drugs like pher and hyperphophatemia. In therapy in deficient individuals individuals as compare to whites, is	and transport in circulation. If calcium home calcium mobiliz ewly formed of y lild to Moderation nytoin, phenobio olonged expose s must be monif	form of Vitamin D and trans costatis. It promotes calciur ation, mainly regulated by r steoid in bone, resulting in r e deficiency) arbital and carbamazepine, ure to extremely high doses cored by periodic assessmer	port form of Vitamin D, being stored in adipose 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 <i>iency due to excess of melanin pigment which</i>





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BARCODE NO.	: 01524687	COLLECTION DATE		: 31/Jan/2025 09:23AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 31/Jan/2025 12:10PM	
LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Fest Name		Value	Unit	<b>Biological Reference interval</b>	
		VITAMIN B12/C	OBALAMIN		
/ITAMIN B12/COB		102 <sup>L</sup>	pg/mL	190.0 - 890.0	
by CMIA (CHEMILUMINE NTERPRETATION:-	ESCENT MICROPARTICLE IMMUN	DASSAY)			
	ED VITAMIN B12		DECREASED VITAMIN	I B12	
1.Ingestion of Vitam	in C	1.Pregnancy			
2.Ingestion of Estrog			irin, Anti-convulsants,	Colchicine	
3.Ingestion of Vitam		3.Ethanol Ige			
4.Hepatocellular injury 5.Myeloproliferative disorder		4. Contraceptive Harmones 5.Haemodialysis			
6.Uremia			6. Multiple Myeloma		
B. The body uses its view excreted. I. Vitamin B12 deficient leal resection, small 5. Vitamin B12 deficient proprioception, poor he neurologic defects 5. Serum methylmalor 7. Follow-up testing for NOTE: A normal serum	ncy may be due to lack of IF s intestinal diseases). ncy frequently causes macroo coordination, and affective b s without macrocytic anemia. nic acid and homocysteine lev or antibodies to intrinsic facto n concentration of vitamin B12	nically, reabsorbing vitam ecretion by gastric mucos cytic anemia, glossitis, pe ehavioral changes. These els are also elevated in v r (IF) is recommended to 2 does not rule out tissue 5. If clinical symptoms sug	nin B12 from the ileum sa (eg, gastrectomy, g ripheral neuropathy, manifestations may c itamin B12 deficiency identify this potentia deficiency of vitamin	and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (eg, weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have	

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)







	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)				
NAME	: Mr. AMANDEEP SINGH							
AGE/ GENDER	: 34 YRS/MALE	PATI	ENT ID	: 1740828				
COLLECTED BY	:	REG.	NO./LAB NO.	: 012501310013				
<b>REFERRED BY</b>	:	REGI	STRATION DATE	: 31/Jan/2025 09:22 AM				
BARCODE NO.	:01524687	COLI	ECTION DATE	: 31/Jan/2025 09:23AM				
CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 31/Jan/2025 10:18AM				
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT						
Test Name		Value	Unit	Biological Reference interval				
CLINICAL PATHOLOGY								
	URINE RO	UTINE & MICROS		ATION				
PHYSICAL EXAMI		• • • • • • • • • • • • • • • • • • •						
QUANTITY RECIEVED		10	ml					
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		PALE YELLOW		PALE YELLOW				
TRANSPARANCY		HAZY		CLEAR				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY SPECIFIC GRAVITY		1.02		1.002 - 1.030				
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	1.02		1.002 1.000				
CHEMICAL EXAMI	INATION							
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC						
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)				
SUGAR	TANCE SPECIROPHOTOMETRY	Negative		NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		5.5		5.0 - 7.5				
		5.5						
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)				
NITRITE		Negative		NEGATIVE (-ve)				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Normal	EU/dL	0.2 - 1.0				
		Negative		NEGATIVE (-ve)				
		TRACE		NEGATIVE (-ve)				
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)				
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY							
RED BLOOD CELLS		3-5	/HPF	0 - 3				
	. ,							





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





Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

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

NAME	: Mr. AMANDEEP SINGH			
AGE/ GENDER	: 34 YRS/MALE	PA	ATIENT ID	: 1740828
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 012501310013
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BARCODE NO.	: 01524687	CC	DLLECTION DATE	: 31/Jan/2025 09:23AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EPITHELIAL CELLS	S	1-2	/HPF	ABSENT

EPTTHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT

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



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