

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consult	crobiology)		(Pathology)
NAME	: Mr. SURAJ			
AGE/ GENDER	: 25 YRS/MALE		PATIENT ID	: 1674272
COLLECTED BY	:		REG. NO./LAB NO.	:012411170004
REFERRED BY	:		REGISTRATION DATE	: 17/Nov/2024 08:13 AM
BARCODE NO.	: 01520947		COLLECTION DATE	: 17/Nov/2024 08:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 17/Nov/2024 09:04AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANT'T		
Test Name		Value	Unit	Biological Reference interval
			LLNESS PANEL: 1. OOD COUNT (CBC)	5
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H by CALORIMETRIC	B)	16	gm/dL	12.0 - 17.0
RED BLOOD CELL (5.87 ^H	Millions	/cmm 3.50 - 5.00
PACKED CELL VOL	OCUSING, ELECTRICAL IMPEDENCE	50.5	%	40.0 - 54.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER		CT	80.0 100.0
MEAN CORPUSCUL by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	86.1	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	27.3	pg	27.0 - 34.0
MEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)) 31.7 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	16.2 ^H	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	52.2	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
MENTZERS INDEX by CALCULATED		14.67	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
GREEN & KING INI)FX	23.8	RATIO	>13.0 BETA THALASSEMIA TRAIT:<
by CALCULATED		20.0	MIIIO	65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	LLS (WBCS)			00.0
TOTAL LEUCOCYT	E COUNT (TLC) (by sf cube & microscopy	13070 ^H	/cmm	4000 - 11000
NUCLEATED RED E	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
,	RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%	< 10 %
	UTOMATED HEMATOLOGY ANALYZER	IVIL	70	~ 10 /0





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

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NAME

AGE/ GENDER

COLLECTED BY

REFERRED BY





Dr. Yugam Chopra

MD (Pathology)

:1674272

:012411170004

: 17/Nov/2024 08:13 AM

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. SURAJ **PATIENT ID** : 25 YRS/MALE REG. NO./LAB NO. : **REGISTRATION DATE** : :01520947 **COLLECTION DATE**

	1520947 OS DIAGNOSTIC LAB			: 17/Nov/2024 08:21AM : 17/Nov/2024 09:04AM
CLIENT ADDRESS : 63	349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCO	<u>CYTE COUNT (DLC)</u>			
NEUTROPHILS by flow cytometry by S	SF CUBE & MICROSCOPY	73 ^H	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY S	F CUBE & MICROSCOPY	20	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY S	SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY S	SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY S	F CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYT	ES (WBC) COUNT			
ABSOLUTE NEUTROPH by FLOW CYTOMETRY BY S		9541 ^H	/cmm	2000 - 7500
ABSOLUTE LYMPHOCY by FLOW CYTOMETRY BY S		2614	/cmm	800 - 4900
ABSOLUTE EOSINOPHI by FLOW CYTOMETRY BY S		261	/cmm	40 - 440
ABSOLUTE MONOCYTE by FLOW CYTOMETRY BY S		654	/cmm	80 - 880
ABSOLUTE BASOPHIL O by FLOW CYTOMETRY BY S		0	/cmm	0 - 110
PLATELETS AND OTHI	ER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT by hydro dynamic focus	") SING, ELECTRICAL IMPEDENCE	292000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focus	SING, ELECTRICAL IMPEDENCE	0.43 ^H	%	0.10 - 0.36
MEAN PLATELET VOLU by hydro dynamic focus	ME (MPV) SING, ELECTRICAL IMPEDENCE	15 ^H	fL	6.50 - 12.0
PLATELET LARGE CELI	LCOUNT (P-LCC)	169000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELI		57.9 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTI		16.5	%	15.0 - 17.0

by H NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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Test Name		Value Unit	Biological Reference interval





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	GLY	COSYLATED HAEMOGI	OBIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):	5.3	%	4.0 - 6.4
ESTIMATED AVERAGI	,	105.41	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (ADA):		
RE	FERENCE GROUP		/IOGLOGIB (HBAIC) in	%
	etic Adults >= 18 years		<5.7	
	Risk (Prediabetes)		7 – 6.4	
			= 6.5	
	gnosing Diabetes			
	gnosing Diabetes	Age >	19 Years	
Dia		Age > Goals of Therapy:	< 7.0	
Dia	gnosing Diabetes goals for glycemic control	Age > Goals of Therapy: Actions Suggested:		

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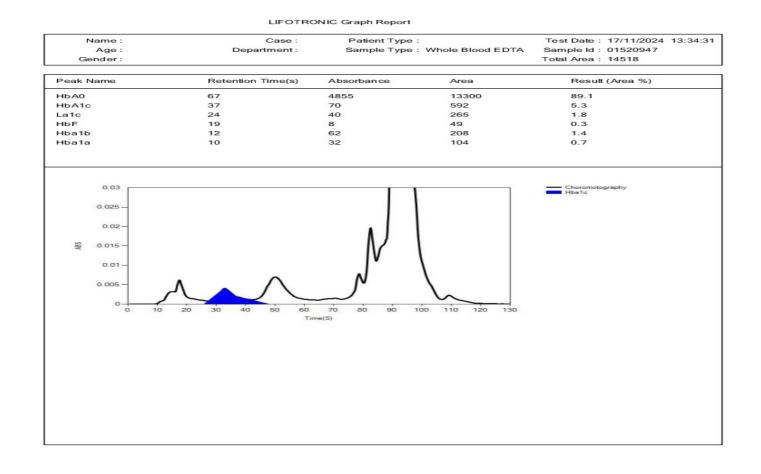
DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)







	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology) ME	m Chopra D (Pathology) nt Pathologist
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Mr. SURAJ 25 YRS/MALE 01520947 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD,	R R C(R	ATIENT ID EG. NO./LAB NO. EGISTRATION DATE DLLECTION DATE EPORTING DATE	: 1674272 : 012411170004 : 17/Nov/2024 08:13 AM
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01520947 KOS DIAGNOSTIC LAB	R C(R	EGISTRATION DATE	: 17/Nov/2024 08:13 AM
KOS DIAGNOSTIC LAB	C(R	DLLECTION DATE	
KOS DIAGNOSTIC LAB	R		
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6349/1, NICHOLSON ROAD,	AMBALA CANTT		: 17/Nov/2024 09:37AM
	Value	Unit	Biological Reference interval
cantly high white blood cell co ell anaemia) also lower the E rotein (C-RP) are both marker ot change as rapidly as does (as many other factors as is ES it is typically a result of two t a higher ESR, and menstruatic n, methyldopa, oral contracep	bunt (leucocytosis), SR. s of inflammation. CRP, either at the sta R, making it a bette r ypes of proteins, gla n and pregnancy ca	and some protein abno art of inflammation or a marker of inflammation obulins or fibrinogen. n cause temporary eleva	ormalities. Šome changes in red cell shape (suc is it resolves. n. ations.
	est because an elevated resul es not tell the health practitic d by other conditions besides used to monitor disease activ atosus :SR vith conditions that inhibit the cantly high white blood cell co ell anaemia) also lower the E rotein (C-RP) are both marker to change as rapidly as does (as many other factors as is ES it is typically a result of two t a higher ESR, and menstruatic	est because an elevated result often indicates the est not tell the health practitioner exactly where t d by other conditions besides inflammation. For t used to monitor disease activity and response to atosus SR vith conditions that inhibit the normal sedimentar cantly high white blood cell count (leucocytosis), ell anaemia) also lower the ESR. rotein (C-RP) are both markers of inflammation. ot change as rapidly as does CRP, either at the sta as many other factors as is ESR, making it a better it is typically a result of two types of proteins, glo a higher ESR, and menstruation and pregnancy ca n, methyldopa, oral contraceptives, penicillamine	TON BY CAPILLARY PHOTOMETRY est because an elevated result often indicates the presence of inflammati es not tell the health practitioner exactly where the inflammation is in th d by other conditions besides inflammation. For this reason, the ESR is ty used to monitor disease activity and response to therapy in both of the a atosus SR vith conditions that inhibit the normal sedimentation of red blood cells, s cantly high white blood cell count (leucocytosis), and some protein abno ell anaemia) also lower the ESR. rotein (C-RP) are both markers of inflammation. ot change as rapidly as does CRP, either at the start of inflammation or a as many other factors as is ESR, making it a better marker of inflammation it is typically a result of two types of proteins, globulins or fibrinogen. a higher ESR, and menstruation and pregnancy can cause temporary eleva methyldopa, oral contraceptives, penicillamine procainamide, theophy





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MBBS, MD (PATHOLOGY)







	MD (Patho	ay Chopra blogy & Microbiology) & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 17/Nov/2024 11:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON I	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CI	LINICAL CHEMISTRY	//BIOCHEMIST	'RY
		GLUCOSE FAS	STING (F)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

 A fasting plasma glucose level below 100 mg/dl is considered normal.
 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.

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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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	II E · BASIC	
CHOLESTEROL TO		164.13		OPTIMAL: < 200.0
by CHOLESTEROL O		104.13	mg/dL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM HATE OXIDASE (ENZYMATIC)	141.9	mg/dL	240.0 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 Yon	49.23	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO		86.52	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES' by CALCULATED, SPE		114.9	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(28.38	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF		470.16	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		3.33	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 Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.76	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	2.88 ^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.

 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.
 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. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. SURAJ AGE/ GENDER : 25 YRS/MALE **PATIENT ID** :1674272 **COLLECTED BY** :012411170004 REG. NO./LAB NO. : **REFERRED BY REGISTRATION DATE** : 17/Nov/2024 08:13 AM : **BARCODE NO.** :01520947 **COLLECTION DATE** : 17/Nov/2024 08:21AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :17/Nov/2024 12:07PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE)

	UNCTION IEST (CON	II LEIE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.71	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.2	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.51	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	18.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	53.1 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.34	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	102.13	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	37.28	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.7	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.27	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.43	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.24	RATIO	1.00 - 2.00

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE: Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 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 SIG	NIFICANCE:

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



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Test Name		Value	Unit	Biological Reference interva
	KIDNI	EY FUNCTION 1	FEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	29.87	mg/dL	10.00 - 50.00
CREATININE: SERI	UM	1.2	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	13.96	mg/dL	7.0 - 25.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	11.63	RATIO	10.0 - 20.0
UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	24.89	RATIO	
URIC ACID: SERUM		7.18	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	10.25	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE by PHOSPHOMOLYBE	ERUM DATE, SPECTROPHOTOMETRY	3.78	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	141.5	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.46	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		106.13	mmol/L	90.0 - 110.0
ESTIMATED GLON	IERULAR FILTERATION RATE			
ESTIMATED GLOM	ERULAR FILTERATION RATE	86.1		

Dr Vinay Ch

ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM

by CALCULATED

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



Page 12 of 2

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





		Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant			am Chopra 1D (Pathology) ant Pathologist	
IAME	: Mr. SURAJ					
GE/ GENDER	: 25 YRS/MAI	.E	PA	TIENT ID	: 1674272	
OLLECTED BY				G. NO./LAB NO.	: 01241117000	14
	:					
EFERRED BY	:			GISTRATION DATE		
BARCODE NO.	:01520947			LLECTION DATE	: 17/Nov/2024 0	
CLIENT CODE.	: KOS DIAGN	OSTIC LAB	RI	PORTING DATE	: 17/Nov/2024 1	2:07PM
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBA	LA CANTT			
Fest Name			Value	Unit	Biologi	ical Reference interval
 Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<² 	tetracycline, gl 0:1) WITH ELEV (BUN rises disp superimposed 0:1) WITH DECF	ATED CREATININE LEVEL proportionately more th pn renal disease.		(e.g. obstructive uro	pathy).	
9. Certain drugs (e.g. 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 GLOMERU G1 G2	tetracycline, gl 0:1) WITH ELEV (BUN rises disp superimposed 0:1) WITH DECF osis. Id starvation. creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCR py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes ULAR FILTERATION NO K	creatinine production) Jacocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In creatinine diffuses out a is virtually absent in be antidiuretic harmone) de EASED CREATININE: conversion of creatine for creatinine). anal failure. Exe causes false increase reatinine ratio). with creatinine measure in RATE: DESCRIPTION mal kidney function idney damage with formal or high GFR	an creatinine) it of extracellu lood). ue to tubular to creatinine) in creatinine ement). GFR (mL/	alar fluid). secretion of urea. with certain methodo <u>nin/1.73m2) / /</u> >90 / A		rmal ratio when dehydratio
 P. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin ther ESTIMATED GLOMERI G1 G2 	tetracycline, gl 0:1) WITH ELEV (BUN rises disp superimposed 0:1) WITH DECF osis. Id starvation. creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCR py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes LAR FILTERATIO No K No K No No	creatinine production) Jacocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. REASED BUN : The creatinine diffuses out a is virtually absent in b antidiuretic harmone) d EASED CREATININE: conversion of creatine for creatinine). anal failure. the causes false increase reatinine ratio). with creatinine measures to RATE: DESCRIPTION rmal kidney function idney damage with formal or high GFR ild decrease in GFR	an creatinine) it of extracellu lood). ue to tubular to creatinine) in creatinine ement). GFR (mL/	alar fluid). secretion of urea. with certain methodo <u>nin/1.73m2) / / / / / / / / / / / / / / / / / / </u>	ologies,resulting in nor ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	
 P. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia PCREASED RATIO (Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. PCREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido should produce an in Cephalosporin ther STIMATED GLOMERL G1 G2 	tetracycline, gl 0:1) WITH ELEV (BUN rises disp superimposed 0:1) WITH DECF osis. Id starvation. creased urea sy urea rather tha monemias (urea f inappropiate 0:1) WITH INCR py (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes LAR FILTERATION NO K MO MO MO	creatinine production) Jacocorticoids) ATED CREATININE LEVEL proportionately more the on renal disease. EASED BUN : In creatinine diffuses out a is virtually absent in be antidiuretic harmone) de EASED CREATININE: conversion of creatine for creatinine). anal failure. Exe causes false increase reatinine ratio). with creatinine measure in RATE: DESCRIPTION mal kidney function idney damage with formal or high GFR	an creatinine) of extracellu lood). ue to tubular to creatinine) in creatinine ement). GFR (mL/ 6 3	alar fluid). secretion of urea. with certain methodo <u>nin/1.73m2) / /</u> >90 / A	ologies,resulting in nor ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	





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

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









	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pat		(Pathology)
NAME	: Mr. SURAJ		
AGE/ GENDER	: 25 YRS/MALE	PATIENT ID	: 1674272
COLLECTED BY	:	REG. NO./LAB NO.	: 012411170004
REFERRED BY	:	REGISTRATION DATE	: 17/Nov/2024 08:13 AM
BARCODE NO.	: 01520947	COLLECTION DATE	: 17/Nov/2024 08:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 17/Nov/2024 12:07PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Val	ue Unit	Biological Reference interva

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT



:1674272

:012411170004

: 17/Nov/2024 08:13 AM

: 17/Nov/2024 08:21AM

:17/Nov/2024 12:07PM

	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist
NAME	: Mr. SURAJ	
AGE/ GENDER	: 25 YRS/MALE	PATIENT ID : 1674272
COLLECTED BY	:	REG. NO./LAB NO. : 01241
REFERRED BY	:	REGISTRATION DATE : 17/Nov
BARCODE NO.	: 01520947	COLLECTION DATE : 17/Nov
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE : 17/Nov.
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	

Test Name	Value	Unit	Biological Reference interval
	IRON PRO	OFILE	
IRON: SERUM by FERROZINE, SPECTROPHOTOMETRY	77.1	µg/dL	59.0 - 158.0
UNSATURATED IRON BINDING CAPACITY (UIBC) :SERUM by FERROZINE, SPECTROPHOTOMETERY	219.14	µg/dL	150.0 - 336.0
TOTAL IRON BINDING CAPACITY (TIBC) :SERUM by SPECTROPHOTOMETERY	296.24	µg/dL	230 - 430
%TRANSFERRIN SATURATION: SERUM by CALCULATED, SPECTROPHOTOMETERY (FERENE)	26.03	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)	210.33	mg/dL	200.0 - 350.0
INTERPRETATION:- VARIABLES ANEMIA OF CHROI		ON DEFICIENCY ANEMIA	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

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







		_nopra y & Microbiology) Consultant Pathologis	M	m Chopra D (Pathology) nt Pathologist	
NAME	: Mr. SURAJ				
AGE/ GENDER	: 25 YRS/MALE		PATIENT ID	: 1674272	
COLLECTED BY	:		REG. NO./LAB NO.	:012411170004	
REFERRED BY	:		REGISTRATION DATE	: 17/Nov/2024 08:13 AM	
BARCODE NO.	:01520947		COLLECTION DATE	: 17/Nov/2024 08:21AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 17/Nov/2024 11:28AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT	ſ		
Test Name		Value	Unit	Biological Refe	rence interval
		ENDOC	RINOLOGY		
		FHYROID FUNG	CTION TEST: TOTAL		
TRIIODOTHYRONI	NE (T3): SERUM	0.824 OASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S by CMIA (CHEMILUMIN	SERUM iescent microparticle immun	6.98 OASSAY)	µgm/d	L 4.87 - 12.60	
	ATING HORMONE (TSH): SI		µIU/m	L 0.35 - 5.50	
3rd GENERATION, ULT <u>INTERPRETATION</u> :	RASENSITIVE				
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentration	s. TSH stimulates the pr	oduction and secretion of the	pm. The variation is of the order of 5 metabolically active hormones, thy her underproduction (hypothyroidis	oxine (T4)and
CLINICAL CONDITION	T3		T4	TSH]
Primary Hypothyroidis	m: Reduce	d	Reduced	Increased (Significantly)	

CLINICAL CONDITION	13	14	ISH
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)	THYROXINE (T4)		THYROID STIMULATING HORMONE	
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





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







	Dr. Vinay Chopra MD (Pathology & Microbiolo Chairman & Consultant Path	GI /	(Pathology)
NAME	: Mr. SURAJ		
AGE/ GENDER	: 25 YRS/MALE	PATIENT ID	: 1674272
COLLECTED BY	:	REG. NO./LAB NO.	: 012411170004
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	ANTT	

Test Name			Value	Unit	t	Biological Reference interval
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	
	RECON	IMENDATIONS OF TSH LI	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





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD (Vinay Chopi Pathology & Mic man & Consulta	robiology)	Dr. Yugar MD CEO & Consultan) (Pathology)	
NAME	: Mr. SURAJ					
AGE/ GENDER	: 25 YRS/MALE		I	PATIENT ID	: 1674272	
COLLECTED BY	:		I	REG. NO./LAB NO.	:01241117	0004
REFERRED BY			1	REGISTRATION DATE	:17/Nov/202	24 08·13 AM
BARCODE NO.	: 01520947			COLLECTION DATE	: 17/Nov/202	
		LAD				
CLIENT CODE.	: KOS DIAGNOSTIC			REPORTING DATE	: 17/Nov/202	24 11:28AM
CLIENT ADDRESS	: 6349/1, NICHOLS	ON ROAD, AMI	BALA CANTT			
Test Name			Value	Unit	Bio	ogical Reference interval
			N D/25 HY	MINS DROXY VITAMIN D		ICIENCY 00.0
VITAMIN D (25-HYD by Clia (Chemilumine: INTERPRETATION:			15.5 ^L	ng/mL	INS SUF	TCIENCY: < 20.0 UFFICIENCY: 20.0 - 30.0 FICIENCY: 30.0 - 100.0 IICITY: > 100.0
<u>DEFICI</u>	FNIT:		< 20	r	ng/mL	
INSUFFI			21 - 29		ng/mL	
PREFFERED			30 - 100		ng/mL	
conversion of 7- dihyd	ls are derived from rocholecalciferol to presents the main b	Vitamin D3 in t ody resevoir an	he skin upon L d transport for	ants, Vitamin D2), or cho Iltraviolet exposure.		n animals, Vitamin D3), or by min D, being stored in adipose
3.Vitamin D plays a pr phosphate reabsorptic 4.Severe deficiency ma DECREASED: 1.Lack of sunshine exp 2.Inadequate intake, r 3.Depressed Hepatic V 4.Secondary to advanc 5.Osteoporosis and Se 6.Enzyme Inducing dru INCREASED:	mary role in the ma on, skeletal calcium ay lead to failure to osure. nalabsorption (celia itamin D 25- hvdrox ed Liver disease condary Hyperparat igs: anti-epileptic dr	intenance of ca deposition, calo mineralize new c disease) cylase activity hroidism (Mild ugs like phenyt	alcium homeos ium mobilizati ly formed oste to Moderate c oin, phenobark	on, mainly requlated by oid in bone, resulting in eficiency) ital and carbamazepine,	parathvroid harn rickets in children , that increases Vi	n and osteomalacia in adults.
severe hypercalcemia CAUTION: Replacemen hypervitaminosis D	and hyperphophate t therapy in deficier	mia. It individuals m	ust be monitor	ed by periodic assessme	nt of Vitamin D le	vels in order to prevent
interefere with Vitamin	D absorption.	e to writtes, is at	nigner risk of c	eveloping vitamin b dem	ciency due to exce	ss of melanin pigment which





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







IAME		nsultant Pathologist	CEO & Consultant	(Pathology) Pathologist
	: Mr. SURAJ			
GE/ GENDER	: 25 YRS/MALE	PAT	IENT ID	: 1674272
COLLECTED BY	:	REG.	NO./LAB NO.	:012411170004
REFERRED BY		REG	ISTRATION DATE	: 17/Nov/2024 08:13 AM
	: 01520947		LECTION DATE	: 17/Nov/2024 08:21AM
	: KOS DIAGNOSTIC LAB		ORTING DATE	: 17/Nov/2024 11:28AM
			UNING DATE	. 17/100/2024 11.20AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTI		
Fest Name		Value	Unit	Biological Reference interva
	LAMIN: SERUM Scent microparticle immunoa	VITAMIN B12/C 115 ^L	OBALAMIN pg/mL	190.0 - 890.0
by CMIA (CHEMILUMINES NTERPRETATION:-	SCENT MICROPARTICLE IMMUNOA	115 ^L	pg/mL	
by CMIA (CHEMILUMINES <u>INTERPRETATION:-</u> INCREASEE	SCENT MICROPARTICLE IMMUNOA	ASSAY)		
by CMIA (CHEMILUMINES <u>NTERPRETATION:-</u> <u>INCREASEE</u> 1.Ingestion of Vitamin	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C	ASSAY) 115 ^L	pg/mL	B12
by CMIA (CHEMILUMINES <u>INTERPRETATION:-</u> INCREASEE	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n Cn	ASSAY) 115 ^L	pg/mL DECREASED VITAMIN irin, Anti-convulsants,	B12
by CMIA (CHEMILUMINES <u>NTERPRETATION:-</u> <u>INCREASED</u> 1.Ingestion of Vitamin 2.Ingestion of Estrogen	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C n n A A	ASSAY) 115 ^L 1.Pregnancy 2.DRUGS:Aspi	pg/mL DECREASED VITAMIN irin, Anti-convulsants, stion	B12
by CMIA (CHEMILUMINES <u>NTERPRETATION:-</u> <u>INCREASED</u> 1.Ingestion of Vitamin 2.Ingestion of Estrogen 3.Ingestion of Vitamin	SCENT MICROPARTICLE IMMUNOA D VITAMIN B12 n C n n A Y y	ASSAY) 115 ^L 1.Pregnancy 2.DRUGS:Aspi 3.Ethanol Iges	pg/mL DECREASED VITAMIN irin, Anti-convulsants, stion ive Harmones ysis	B12

NOTE:A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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







Dr. Vinay Chopra

	EXCELLENCE IN HEALTHCARE & DIAGNOSTICS
1	Dr. Yugam Chopra MD (Pathology)

		y & Microbiology) onsultant Pathologist	Dr. Tugarr MD CEO & Consultant	(Pathology)	
NAME	: Mr. SURAJ				
AGE/ GENDER	: 25 YRS/MALE	PAT	FIENT ID	: 1674272	
COLLECTED BY	:	REG	G. NO./LAB NO.	: 012411170004	
REFERRED BY	:	REC	GISTRATION DATE	: 17/Nov/2024 08:13 AM	
BARCODE NO. : 01520947		COL	LLECTION DATE	: 17/Nov/2024 08:21AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 17/Nov/2024 09:28AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
		CLINICAL PA	THOLOGY		
	URINE F	ROUTINE & MICRO	SCOPIC EXAMINA	ATION	
PHYSICAL EXAMIN					
QUANTITY RECIEV	ED	10	ml		
	TANCE SPECTROPHOTOMETRY		A.7	DALEVELLOW	
COLOUR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	PALE YELLO	vv	PALE YELLOW	
TRANSPARANCY		CLEAR		CLEAR	
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
CHEMICAL EXAMI	NATION	ACIDIC			
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC			
PROTEIN		Negative		NEGATIVE (-ve)	
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	6.5		5.0 - 7.5	
BILIRUBIN		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	U U			
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
	TANCE SPECTROPHOTOMETRY	NEGATIVE (-1	ve)	NEGATIVE (-ve)	
MICROSCOPIC EXA					
RED BLOOD CELLS	(RBCs)	NEGATIVE (-	ve) /HPF	0 - 3	



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

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

NAME	: Mr. SURAJ		
AGE/ GENDER	: 25 YRS/MALE	PATIENT ID	: 1674272
COLLECTED BY	:	REG. NO./LAB NO.	: 012411170004
REFERRED BY	:	REGISTRATION DATE	: 17/Nov/2024 08:13 AM
BARCODE NO.	: 01520947	COLLECTION DATE	: 17/Nov/2024 08:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 17/Nov/2024 09:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
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 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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