



	<b>Dr. Vinay Chopr</b> MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mr. NAVNEET			
AGE/ GENDER	: 24 YRS/MALE		PATIENT ID	: 1757842
COLLECTED BY	:		REG. NO./LAB NO.	: 012502150030
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 15/Feb/2025 12:15 PM
BARCODE NO.	: 01525558		COLLECTION DATE	: 15/Feb/2025 01:45PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 15/Feb/2025 12:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
			LLNESS PANEL: 1.0 OOD COUNT (CBC)	0
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	15	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	5.06 <sup>H</sup>	Millions	/cmm 3.50 - 5.00
PACKED CELL VOLU		43.1	%	40.0 - 54.0
MEAN CORPUSCUL		85.2	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	29.5	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	34.7	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV) utomated hematology analyzer	13.9	%	11.00 - 16.00
by CALCULATED BY A	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	44.4	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		16.84	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INE by calculated	DEX	23.29	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CE	LLS (WBCS)			65.0
TOTAL LEUCOCYTE	COUNT (TLC) Y BY SF CUBE & MICROSCOPY	9240	/cmm	4000 - 11000
NUCLEATED RED B	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
	LOOD CELLS (nRBCS) % utomated hematology analyzer	NIL	%	< 10 %
			A	





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (D	<u>DLC)</u>		
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSC	53 Opy	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSC	37 Opy	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSC	<u>З</u> ОРҮ	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSC	7 OPY	%	2 - 12
BASOPHILS by flow cytometry by sf cube & microsc ABSOLUTE LEUKOCYTES (WBC) COUN		%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microsc	4897 ору	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC	3419 Opy	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC		/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC	647 Opy	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC		/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE by FLOW CYTOMETRY BY SF CUBE & MICROSC	OPY	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PL	REDICTIVE MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical im	333000 IPEDENCE	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IM		%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical im		fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IM	IPEDENCE	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical im	27.5 IPEDENCE	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW by HYDRO DYNAMIC FOCUSING, ELECTRICAL IM		%	15.0 - 17.0



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		<b>TT A</b> .	

Test NameValueUnitBiological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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LIENT CODE.	: KOS DIAGNOSTIC I	AB	<b>REPORTING DATE</b>	: 15/Feb/2025 12:52PM
LIENT ADDRESS	: 6349/1, NICHOLSO	ON ROAD, AMBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
nmune disease, but . An ESR can be affe	does not tell the healt cted by other conditio	h practitioner exactly wher	e the inflammation is in the	e body or what is causing it.
mune disease, but An ESR can be affe C-reactive protein This test may also temic lupus eryth <b>NDITION WITH LO</b> ow ESR can be see olycythaemia), sigr sickle cells in sickl <b>TE:</b> ESR and C - reactiv Generally, ESR doe <b>CRP is not affected</b> f the ESR is elevat	does not tell the healt cted by other conditio be used to monitor dis ematosus <b>W ESR</b> n with conditions that hificantly high white bl e cell anaemia) also lo e protein (C-RP) are bo s not change as rapidl <b>by as many other fact</b> ed, it is typically a resu	h practitioner exactly when his besides inflammation. For ease activity and response inhibit the normal sedimer bod cell count (leucocytosi wer the ESR. th markers of inflammation () as does CRP, either at the <b>prs as is ESR, making it a be</b> It of two types of proteins.	re the inflammation is in the or this reason, the ESR is ty to therapy in both of the a htation of red blood cells, s is), and some protein abno h. e start of inflammation or a <b>tter marker of inflammation</b>	picallý 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>1</b> .





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		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN		Y/BIOCHEMIST	'nY
		GLUCOSE FA		
GLUCOSE FASTING	G (F): PLASMA E - PEROXIDASE (GOD-POD)	102 <sup>H</sup>	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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Fest Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		229.81 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	70.96	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
IDL CHOLESTERO	L (DIRECT): SERUM TION	54.13	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
DL CHOLESTERO by CALCULATED, SPE	L: SERUM ECTROPHOTOMETRY	161.49 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES by calculated, spe	TEROL: SERUM ECTROPHOTOMETRY	175.68 <sup>H</sup>	mg/dL	VERY HIGH: > OR = 190.0 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
LDL CHOLESTER	OL: SERUM ECTROPHOTOMETRY	14.19	mg/dL	0.00 - 45.00
OTAL LIPIDS: SEI		530.58	mg/dL	350.00 - 700.00
HOLESTEROL/HI	DL RATIO: SERUM ECTROPHOTOMETRY	4.25	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	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.98	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	1.31 <sup>L</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.

 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. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist PATIENT ID** :1757842 REG. NO./LAB NO. **REGISTRATION DATE** 

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: KOS DIAGNOSTIC LAB

: Mr. NAVNEET

: 24 YRS/MALE

:01525558

:

:

Dr. Vinay Chopra

Test Name	Value	Unit	<b>Biological Reference interval</b>
LIVER	FUNCTION TI	EST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by diazotization, spectrophotometry	1.39 <sup>H</sup>	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.24	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	1.15 <sup>H</sup>	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	20.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	39.3	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by Calculated, spectrophotometry	0.53	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	87.15	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	56.34 <sup>H</sup>	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.21	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.23	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.98	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.42	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:**

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 PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

NAME

AGE/ GENDER

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CLIENT CODE.





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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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	KIDNE	Y FUNCTION	TEST (COMPLETE)	
UREA: SERUM		26.75	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)	20.10	ing, all	10.00 00.00
CREATININE: SERU		0.98	mg/dL	0.40 - 1.40
by ENZYMATIC, SPEC	ROGEN (BUN): SERUM	12.5	mg/dL	7.0 - 25.0
by CALCULATED, SPE		12.0	ing/ uL	1.0 20.0
	ROGEN (BUN)/CREATININE	12.76	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		27.3	RATIO	
by CALCULATED, SPE			( )7	
URIC ACID: SERUM by URICASE - OXIDAS		6.79	mg/dL	3.60 - 7.70
CALCIUM: SERUM		9.64	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE				
PHOSPHOROUS: SE by PHOSPHOMOLYBE	ERUM DATE, SPECTROPHOTOMETRY	2.99	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		139.2	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV				
POTASSIUM: SERU		4.13	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		104.4	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV				
	IERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM	ERULAR FILTERATION RATE	110.4		
(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. Vinay Cho MD (Pathology & N Chairman & Consu	licrobiology)			athology)			
NAME	: Mr. NAVNE	ET							
AGE/ GENDER	: 24 YRS/MAI	E		PATIENT ID		: 1757842			
COLLECTED BY	:			REG. NO./LAB NO		:0125021500	120		
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REFERRED BY	:			<b>REGISTRATION D</b>		:15/Feb/2025			
BARCODE NO.	:01525558			COLLECTION DAT	<b>E</b>	:15/Feb/2025	01:45PM		
CLIENT CODE.	: KOS DIAGN	OSTIC LAB		REPORTING DAT	Е	:15/Feb/2025	02:07PM		
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AN	MBALA CANTI	ſ					
Test Name			Value	Un	nit	Biolo	gical Ref	ference ir	nterval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	ass (subnormal tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises disp superimposed	creatinine product ucocorticoids) ATED CREATININE L proportionately mo on renal disease.	ion) E <b>VELS</b> :	tion, GI bleeding, thy nine) (e.g. obstructive					
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 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 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther	(e.g. ureter col ass (subnormal tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises disp superimposed <b>0:1) WITH DECF</b> osis. d starvation. creased urea sy urea rather tha monemias (ure f inappropiate <b>0:1) WITH INCR</b> oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes	creatinine product accorticoids) ATED CREATININE L proportionately mo on renal disease. EASED BUN : a true the second antidiuretic harmon EASED CREATININE conversion of creatinine). nal failure. e causes false increatinine ratio). with creatinine me N RATE:	ion) EVELS: re than creatin es out of extra in blood). ne) due to tubu tine to creatin ease in creatin asurement).	nine) (e.g. obstructive cellular fluid). ular secretion of urea ine).	e uropath a. thodologie	y). es,resulting in n	ormal rat	io when d	ehydrati
<ol> <li>Reduced muscle m</li> <li>Certain drugs (e.g.</li> <li>INCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> <li>DECREASED RATIO (&lt;1</li> <li>Acute tubular necr</li> <li>Low protein diet ar</li> <li>Severe liver disease</li> <li>Other causes of de</li> <li>Repeated dialysis (</li> <li>Inherited hyperam</li> <li>SIADH (syndrome c</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;1</li> <li>Phenacimide thera</li> <li>Rhabdomyolysis (r</li> <li>Muscular patients</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>should produce an in</li> <li>Cephalosporin ther</li> </ol>	(e.g. ureter col ass (subnormal tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises disp superimposed <b>0:1) WITH DECF</b> osis. d starvation. creased urea sy urea rather tha monemias (ure f inappropiate <b>0:1) WITH INCR</b> oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes LAR FILTERATIC	creatinine product ucocorticoids) ATED CREATININE L proportionately mo on renal disease. EASED BUN : In creatinine diffuse antidiuretic harmon EASED CREATININE conversion of crea creatinine). nal failure. e causes false incre eatinine ratio). with creatinine me in RATE: DESCRIPTION	ion) EVELS: re than creating es out of extra in blood). ne) due to tubu tine to creating ease in creating asurement).	nine) (e.g. obstructive cellular fluid). ular secretion of urea ine).	e uropath a. thodologie	y). es,resulting in n <b>CIATED FINDING</b>	ormal rat	io when d	ehydrati
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B. Reduced muscle m     Certain drugs (e.g.     INCREASED RATIO (>2     Prerenal azotemia     DECREASED RATIO (<1     Acute tubular necr     Low protein diet ar     Severe liver disease     Other causes of de     Repeated dialysis (     SIADH (syndrome c     Regnancy.     DECREASED RATIO (<1     Phenacimide thera     Rhabdomyolysis (r     SMuscular patients     INAPPROPIATE RATIO     Diabetic ketoacido     should produce an in     CEphalosporin ther     ESTIMATED GLOMERL     G1     G2	(e.g. ureter col ass (subnormal tetracycline, gl <b>D:1) WITH ELEV</b> (BUN rises disp superimposed <b>0:1) WITH DECF</b> osis. d starvation. creased urea sy urea rather tha monemias (ure f inappropiate <b>0:1) WITH INCR</b> oy (accelerates eleases muscle who develop re- sis (acetoaceta creased BUN/cr apy (interferes LAR FILTERATIC NO K NO K NO	creatinine product accorticoids) ATED CREATININE L proportionately mo on renal disease. EASED BUN : EASED BUN : In creatinine diffuse a is virtually absent antidiuretic harmon EASED CREATININE conversion of crea creatinine). nal failure. e causes false incre eatinine ratio). with creatinine me N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR ild decrease in GFR	ion) EVELS: re than creatin es out of extra in blood). ne) due to tubu tine to creatin ease in creatin asurement). GFR ( n	hine) (e.g. obstructive cellular fluid). ular secretion of urea ine). hine with certain met <u>mL/min/1.73m2 ) &gt;90 &gt;90 60 -89</u>	e uropath a. thodologie	y). es,resulting in n CIATED FINDING o proteinuria ence of Protein	ormal rat	io when d	ehydrati
G1 G2	(e.g. ureter col ass (subnormal tetracycline, gl D:1) WITH ELEV (BUN rises disp superimposed D:1) WITH DECF Disis. d starvation. creased urea sy urea rather tha monemias (urea f inappropiate D:1) WITH INCR Dy (accelerates eleases muscle who develop res sis (acetoaceta creased BUN/cra apy (interferes LAR FILTERATION NO K NO K MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOCON MOC	creatinine product accorticoids) ATED CREATININE L proportionately mo on renal disease. EASED BUN : The sis. In creatinine diffuse a is virtually absent antidiuretic harmon EASED CREATININE conversion of crea creatinine). nal failure. e causes false incre eatinine ratio). with creatinine me N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	ion) EVELS: re than creatin es out of extra in blood). ne) due to tubu tine to creatin ease in creatin asurement). GFR ( n FR	hine) (e.g. obstructive cellular fluid). ular secretion of urea ine). hine with certain met <u>mL/min/1.73m2 ) &gt;90 &gt;90</u>	e uropath a. thodologie	y). es,resulting in n CIATED FINDING o proteinuria ence of Protein	ormal rat	io when d	ehydrati



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	REG. NO./LAB NO.	
		: 012502150030
24 YRS/MALE	PATIENT ID	: 1757842
Mr. NAVNEET		
MD (Pathology & Microbiology)	MD (	(Pathology)
	Chairman & Consultant Pathologist	MD (Pathology & Microbiology) Chairman & Consultant Pathologist Ir. NAVNEET

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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KOS Diagnostic Lab (A Unit of KOS Healthcare)

	MD (	Vinay Chopra Pathology & Microbiology) man & Consultant Pathologi		(Pathology)
NAME	: Mr. NAVNEET			
AGE/ GENDER	: 24 YRS/MALE		PATIENT ID	: 1757842
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BARCODE NO.	:01525558		COLLECTION DATE	: 15/Feb/2025 01:45PM
CLIENT CODE.	: KOS DIAGNOSTIC		REPORTING DATE	: 15/Feb/2025 01:40PM
CLIENT ADDRESS	: 6349/1, NICHOLS	SON ROAD, AMBALA CANTI		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		ENDOC	RINOLOGY	
		TESTOST	ERONE: TOTAL	
TESTOSTERONE - '	TOTAL: SERUM NESCENT MICROPARTICL	4.27	ng/mL	0.47 - 9.80
CLINIC USE: 1.Assesment of testi	cular functions in mal rsutism and virilizatio y (Males) ce Il Hyperplasia disease Males)	es	are affected by medication,	e total in men and 20% of the total in women) ne. disease, sex steroids and insulin.

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.

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	<b>Dr. Vinay Cho</b> MD (Pathology & M Chairman & Consu	1icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Mr. NAVNEET				
AGE/ GENDER	: 24 YRS/MALE	PATI	ENT ID	: 1757842	
<b>COLLECTED BY</b>	:	REG.	NO./LAB NO.	:012502150030	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT			
Test Name		Value	Unit	Biological Reference	interval
ANTI HUN		JNOPATHOLO VIRUS (HIV) DU		Y I (P-24 ANTIGEN DETECTI	ON)
HIV 1/2 AND P24 A by CMIA (CHEMILUMIN	NTIGEN: SERUM ESCENT MICROPARTICLE IMMUNOASS.	0.09 AY)	S/CO	NEGATIVE: < 1.00 POSITIVE: > 1.00	
HIV 1/2 AND P24 A by CMIA (CHEMILUMIN INTERPRETATION:-	NTIGEN RESULT ESCENT MICROPARTICLE IMMUNOASS.	NON - REACTIV AY)	VE		
	t (INDEX)		REMARKS		
< 1.			NON - REACTIVE	r	
Non-Reactive result in exposed to HIV 1/2 in antibodies. Hence a N RECOMMENDATIONS: 1. Results to be clinic	nfection or the sample has been test on Reactive result does not exclud	have not been detect	ow phase" i.e. before	is menas that patient has either not	t been els of





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Dr. Vinay Ch MD (Pathology & Chairman & Con			Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mr. NAVNEET			
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Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE RO	DUTINE & MICRO	SCOPIC EXAMINA	ATION
PHYSICAL EXAMIN	NATION			
QUANTITY RECIEV	ED TANCE SPECTROPHOTOMETRY	10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	PALE YELLO	W	PALE YELLOW
by DIP STICK/REFLEC TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	ULEAK		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMI				
REACTION		ALKALINE		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
SUGAR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Ŭ		
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)
	TANCE SPECTROPHOTOMETRY	Ũ		
ASCORBIC ACID by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE (-·	ve)	NEGATIVE (-ve)
MICROSCOPIC EXA				
RED BLOOD CELLS	(RBCs)	NEGATIVE (	ve) /HPF	0 - 3





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EXCELLENCE IN MEALTMCARE & DIAGNOSTICS

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

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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	CENTRIFLIGED LIRINARY SEDIMENT	1-2	/HPF	0 - 5

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	0-1	/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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