



Dr. Vinay Cl MD (Pathology Chairman & Cor		robiology)	Dr. Yugam MD ( CEO & Consultant	Pathology)
NAME : M	r. TAVINDER AHUJA			
AGE/ GENDER : 55	YRS/MALE	Р	ATIENT ID	: 1606535
COLLECTED BY :			EG. NO./LAB NO.	: 012409090026
<b>REFERRED BY</b> :			REGISTRATION DATE	: 09/Sep/2024 09:03 AM
	516615		OLLECTION DATE	: 09/Sep/2024 09:13AM
	DS DIAGNOSTIC LAB 849/1, NICHOLSON ROAD, AMB		EPORTING DATE	: 09/Sep/2024 09:37AM
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WELI	LNESS PANEL: 1.0	
	CON	<b>IPLETE BLOO</b>	OD COUNT (CBC)	
RED BLOOD CELLS (RBCS)	COUNT AND INDICES			
HAEMOGLOBIN (HB)		16.2	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (RBC) CC	DUNT	5.32 <sup>H</sup>	Millions/c	mm 3.50 - 5.00
by HYDRO DYNAMIC FOCUS	SING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUME (PC	CV) NATED HEMATOLOGY ANALYZER	44.7	%	40.0 - 54.0
MEAN CORPUSCULAR VOI	LUME (MCV)	84	fL	80.0 - 100.0
by CALCULATED BY AUTOM MEAN CORPUSCULAR HAI	ATED HEMATOLOGY ANALYZER	30.6	pq	27.0 - 34.0
	ATED HEMATOLOGY ANALYZER	30.0	pg	27.0-34.0
	VIOGLOBIN CONC. (MCHC) MATED HEMATOLOGY ANALYZER	36.2 <sup>H</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION \	NIDTH (RDW-CV)	13.8	%	11.00 - 16.00
by CALCULATED BY AUTOM RED CELL DISTRIBUTION \	ATED HEMATOLOGY ANALYZER NIDTH (RDW-SD)	44.3	fL	35.0 - 56.0
	ATED HEMATOLOGY ANALYZER	т.Ј	iL.	33.0 - 30.0
MENTZERS INDEX by CALCULATED		15.79	RATIO	
GREEN & KING INDEX		21.9	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT:<= 65.
by CALCULATED				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WB				
TOTAL LEUCOCYTE COUNT by FLOW CYTOMETRY BY S		6960	/cmm	4000 - 11000
NUCLEATED RED BLOOD (		NIL		0.00 - 20.00
by AUTOMATED 6 PART HEI NUCLEATED RED BLOOD (		NII	%	< 10 %
	JELLS (IIRBUS) % IATED HEMATOLOGY ANALYZER	NIL	70	< 10 %
DIFFERENTIAL LEUCOCYTE				

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



Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist



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

NAME : Mr. TAVINDER AH	UJA						
AGE/ GENDER : 55 YRS/MALE	PATIE	NT ID	: 1606535				
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REFERRED BY :	REGIST	<b>RATION DATE</b>	: 09/Sep/2024 09:03 AM				
<b>BARCODE NO.</b> : 01516615	COLLE	CTION DATE	:09/Sep/202409:13AM				
CLIENT CODE. : KOS DIAGNOSTIC L	AB <b>REPOR</b>	TING DATE	: 09/Sep/2024 09:37AM				
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT							
Test Name	Value	Unit	Biological Reference interval				
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSC	25	%	20 - 40				
EOSINOPHILS	6	%	1-6				
by FLOW CYTOMETRY BY SF CUBE & MICROSC	COPY						
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSC	6 COPY	%	2 - 12				
BASOPHILS	0	%	0 - 1				
by FLOW CYTOMETRY BY SF CUBE & MICROSC	COPY						
ABSOLUTE LEUKOCYTES (WBC) COUNT							
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC	4385	/cmm	2000 - 7500				
ABSOLUTE LYMPHOCYTE COUNT	1740	/cmm	800 - 4900				
by FLOW CYTOMETRY BY SF CUBE & MICROSC	COPY						
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSC	418 YORY	/cmm	40 - 440				
ABSOLUTE MONOCYTE COUNT	418	/cmm	80 - 880				
by FLOW CYTOMETRY BY SF CUBE & MICROSC							
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSO	0 0	/cmm	0 - 110				
PLATELETS AND OTHER PLATELET PREDIC							
PLATELET COUNT (PLT)	204000	/cmm	150000 - 450000				
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN							
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN	0.24	%	0.10 - 0.36				
MEAN PLATELET VOLUME (MPV)	12	fL	6.50 - 12.0				
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN		1	20000 00000				
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN	81000 MPEDENCE	/cmm	30000 - 90000				
PLATELET LARGE CELL RATIO (P-LCR)	39.6	%	11.0 - 45.0				
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN	IPEDENCE 17	0/	15.0.17.0				
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IN		%	15.0 - 17.0				
NOTE: TEST CONDUCTED ON EDTA WHO							



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME       : Mr. TAVINI         AGE/ GENDER       : 55 YRS/MA         COLLECTED BY       :         REFERRED BY       :         BARCODE NO.       : 01516615         CLIENT CODE.       : KOS DIAGN         CLIENT CODE.       : 6349/1, NIG         Test Name       :         ERYTHROCYTE SEDIMENTATION R/ by MODIFIED WESTERGREN AUTOMAT         INTERPRETATION:         1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein         3. This test may also be used to mor	LE OSTIC LAB CHOLSON ROAD, AMB/	RE RE CO RE	TIENT ID G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE	: 1606535 <b>: 012409090026</b> : 09/Sep/2024 09:03 AM : 09/Sep/2024 09:13AM : 09/Sep/2024 09:51AM	
COLLECTED BY : REFERRED BY : BARCODE NO. : 01516615 CLIENT CODE. : KOS DIAGN CLIENT ADDRESS : 6349/1, NIG Test Name ERYTHROCYTE SEDIMENTATION R/ by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein	OSTIC LAB CHOLSON ROAD, AMBA	RE RE CO RE ALA CANTT	G. NO./LAB NO. GISTRATION DATE LLECTION DATE	: <b>012409090026</b> : 09/Sep/2024 09:03 AM : 09/Sep/2024 09:13AM	
REFERRED BY       :         BARCODE NO.       : 01516615         CLIENT CODE.       : KOS DIAGN         CLIENT ADDRESS       : 6349/1, NIG         Test Name       :         ERYTHROCYTE SEDIMENTATION R/ by MODIFIED WESTERGREN AUTOMAT         INTERPRETATION:         1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein	CHOLSON ROAD, AMBA	RE CO RE ALA CANTT	GISTRATION DATE	: 09/Sep/2024 09:03 AM : 09/Sep/2024 09:13AM	
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CLIENT ADDRESS : 6349/1, NIG Test Name ERYTHROCYTE SEDIMENTATION R/ by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein	CHOLSON ROAD, AMBA	ALA CANTT	PORTING DATE	: 09/Sep/2024 09:51AM	
Test Name ERYTHROCYTE SEDIMENTATION R/ by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein					
ERYTHROCYTE SEDIMENTATION R/ by MoDiFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein		Value			
by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein			Unit	Biological Reference inte	rval
by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein			NTATION RATE (ESF	2)	
by MODIFIED WESTERGREN AUTOMAT INTERPRETATION: 1. ESR is a non-specific test because immune disease, but does not tell th 2. An ESR can be affected by other c as C-reactive protein		6	mm/1st hr		
<ol> <li>ESR is a non-specific test because immune disease, but does not tell th</li> <li>An ESR can be affected by other c as C-reactive protein</li> </ol>	· · ·	U	mini/ ist m	0 - 20	
as síckle cells in sickle cell anaemia NOTE: 1. ESR and C - reactive protein (C-RP 2. Generally, ESR does not change a: 3. CRP is not affected by as many oth 4. If the ESR is elevated, it is typicall 5. Women tend to have a higher ESR	white blood cell count ( also lower the ESR. are both markers of ir s rapidly as does CRP, e <b>her factors as is ESR, ma</b> y a result of two types , and menstruation and ba, oral contraceptives.	(leucocytosis), a nflammation. either at the star king it a better of proteins, glol d pregnancy can	and some protein abnor rt of inflammation or as <b>marker of inflammation</b> bulins or fibrinogen. a cause temporary elevat	malities. Šome changes in red cell sha it resolves.	
17224240					





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	Dr. Vinay Ch MD (Pathology & Chairman & Cor			(Pathology)	
NAME	: Mr. TAVINDER AHUJA				
AGE/ GENDER	: 55 YRS/MALE		PATIENT ID	: 1606535	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 09/Sep/2024 10:09AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	CLIN		STRY/BIOCHEMISTR E FASTING (F)	Y	
GLUCOSE FASTING ( by glucose oxidas	F): PLASMA e - peroxidase (god-pod)	110.63 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0	
1. A fasting plasma g 2. A fasting plasma g test (after consumpti 3. A fasting plasma g	on of 75 gms of glucose) is recor	considered norm mg/dl is consider mmended for all s is highly suggesti	al. ed as glucose intolerant or such patients. ve of diabetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for batory for diabetic state.	





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	MD (Path	<b>ay Chopra</b> nology & Microbiology) n & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. TAVINDER AHUJ	JA		
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CLIENT CODE.	: KOS DIAGNOSTIC LAI	B <b>RE</b>	PORTING DATE	: 09/Sep/2024 10:31AM
CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTA	AL: SERUM	156.1	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O				BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SEF by GLYCEROL PHOSE	RUM PHATE OXIDASE (ENZYMATIC	77.71 c)	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL by SELECTIVE INHIBIT		40.34	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: : by CALCULATED, SPE		100.22	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 CHOLESTE by CALCULATED, SPE		115.76	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
	: SERUM Ectrophotometry	15.54	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU	Μ	389.91	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL	by CALCULATED, SPECTROPHOTOMETRY CHOLESTEROL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY		RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SEF by CALCULATED, SPE		2.48	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
		0		





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Page 5 of 13





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.93 <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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MD (Pathology)

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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. TAVINDER AHUJA : 55 YRS/MALE **PATIENT ID COLLECTED BY** REG. NO./LAB NO. : **REGISTRATION DATE** : :01516615 **COLLECTION DATE** : KOS DIAGNOSTIC LAB **REPORTING DATE** 

**CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
	Value	onit	biological Reference interval
LIV	ER FUNCTION TES	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.61	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.45	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	24.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	37.2	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by Calculated, spectrophotometry	0.66	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	70.22	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	29.23	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.24	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.06	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.18	gm/dL	2.30 - 3.50
A GRATIO: SERUM	1.28	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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





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NAME

AGE/ GENDER

**REFERRED BY** 

**BARCODE NO.** 

CLIENT CODE.

INTERPRETATION





	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam C MD (Pa EO & Consultant Par	thology)
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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	;	1.3 (Slightly Increa	sed)

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

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



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Unit

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**Biological Reference interval** 

Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** : Mr. TAVINDER AHUJA AGE/ GENDER : 55 YRS/MALE **PATIENT ID COLLECTED BY** REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE BARCODE NO.** :01516615 **COLLECTION DATE** CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value **KIDNEY FUNCTION TEST (COMPLETE)** 35.25

**UREA: SERUM** mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 0.9 mg/dL 0.40 - 1.40 by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM 16.47 mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE 18.3 RATIO 10.0 - 20.0 RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY 39.17 RATIO **UREA/CREATININE RATIO: SERUM** by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 3.60 - 7.70 6 mg/dL by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM 9.4 mg/dL 8.50 - 10.60 by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM 2.85 mg/dL 2.30 - 4.70 by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY **ELECTROLYTES** SODIUM: SERUM 136.9 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM 4.2 mmol/L 3.50 - 5.00 by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 102.68 mmol/L 90.0 - 110.0 by ISE (ION SELECTIVE ELECTRODE) **ESTIMATED GLOMERULAR FILTERATION RATE** ESTIMATED GLOMERULAR FILTERATION RATE 100.9

(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.



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NAME

Test Name





,						
		Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	Microbiology) MD (Pathology)			
NAME	: Mr. TAVIN	DER AHUJA				
GE/ GENDER	: 55 YRS/MA	J F	РАТ	TIENT ID	: 1606535	
					: 012409090026	
OLLECTED BY	:			. NO./LAB NO.		
EFERRED BY	:			SISTRATION DATE	:09/Sep/202409:03	3 AM
ARCODE NO.	:01516615		COI	LECTION DATE	:09/Sep/202409:13	3AM
LIENT CODE.	: KOS DIAGN	JOSTIC LAB	REF	ORTING DATE	:09/Sep/2024 10:3	1AM
LIENT ADDRESS	: 6349/1, NI	ICHOLSON ROAD, AMBA	LA CANTT			
est Name			Value	Unit	Biological	Reference interval
5. Inherited hyperam 7. SIADH (syndrome o 3. Pregnancy. DECREASED RATIO (<	e. creased ureas (urea rather th monemias (ur of inappropiate 10:1) WITH INC py (accelerate	an creatinine diffuses ou ea is virtually absent in k e antidiuretic harmone) c <b>REASED CREATININE:</b> s conversion of creatine	blood). due to tubular se			
<ol> <li>Muscular patients</li> <li>NAPPROPIATE RATIO</li> <li>Diabetic ketoacido</li> <li>hould produce an in</li> </ol>	who develop r sis (acetoaceta creased BUN/ capy (interfere	renal failure. ate causes false increase creatinine ratio). s with creatinine measur I <b>ON RATE:</b>	ement).		logies,resulting in norma	al ratio when dehydratior
CKD STAGE		DESCRIPTION	GFR ( mL/m		SSOCIATED FINDINGS	]
G1		ormal kidney function		90	No proteinuria	-
G2		Kidney damage with	>		Presence of Protein,	
G3a		normal or high GFR Vild decrease in GFR	40		bumin or cast in urine	4
G3a G3b		oderate decrease in GFR		-89 -59		-
GSD		auara daaraasa in CED		-09		4



G4

G5

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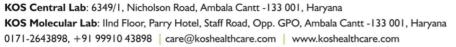
Severe decrease in GFR

Kidney failure

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15-29

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	Dr. Vinay Choj MD (Pathology & M Chairman & Consul	licrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. TAVINDER AHUJA			
AGE/ GENDER	: 55 YRS/MALE	PATIH	ENT ID	: 1606535
COLLECTED BY	:	REG. N	NO./LAB NO.	: 012409090026
<b>REFERRED BY</b>	:	REGIS	TRATION DATE	: 09/Sep/2024 09:03 AM
BARCODE NO.	:01516615	COLLI	ECTION DATE	:09/Sep/202409:13AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 09/Sep/2024 10:31AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	/IBALA 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

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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BARCODE NO.	: 01516615	COLLE	CTION DATE	: 09/Sep/2024 09:13AM : 09/Sep/2024 10:15AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATH	OLOGY		
	URINE RO	OUTINE & MICROSCO	OPIC EXAMINAT	ΓΙΟΝ	
PHYSICAL EXAMINA	ATION				
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		10	ml		
		PALE YELLOW		PALE YELLOW	
		CLEAR		CLEAR	
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.02		1.002 - 1.030	
CHEMICAL EXAMIN					
REACTION		ACIDIC			
	CTANCE SPECTROPHOTOMETRY				
PROTEIN		Negative		NEGATIVE (-ve)	
SUGAR	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
	CTANCE SPECTROPHOTOMETRY	nogunio			
pH		<=5.0		5.0 - 7.5	
by DIP STICK/REFLEC	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			NEGATIVE (-ve)	
	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN		Normal	EU/dL	0.2 - 1.0	
	CTANCE SPECTROPHOTOMETRY		LO/GL	0.2 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
BLOOD	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			NEGATIVE (-ve)	
	CTANCE SPECTROPHOTOMETRY	Negative			
ASCORBIC ACID		NEGATIVE (-ve)		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					

MICROSCOPIC EXAMINATION



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



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

NAME	: Mr. TAVINDER AHUJA				
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BARCODE NO.	:01516615	COLLECT	ION DATE	: 09/Sep/2024 09:13AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTI	NG DATE	: 09/Sep/2024 10:15AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
PUS CELLS	CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	71161	0-3
EPITHELIAL CELLS	0-2	/HPF	ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CRYSTALS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
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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