

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. SUNITA SHARMA			
AGE/ GENDER	: 62 YRS/FEMALE		PATIENT ID	: 1590838
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012408250026
REFERRED BY	:		REGISTRATION DATE	: 25/Aug/2024 09:46 AM
BARCODE NO.	: 01515674		COLLECTION DATE	: 25/Aug/2024 10:00AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB	SALA CANTT	REPORTING DATE	: 25/Aug/2024 10:16AM
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
	CON	/IPLETE BLC	DOD COUNT (CBC)	
RED BLOOD CELLS (RI	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		14	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RB		5.39 ^H	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUM	ocusing, electrical impedence E (PCV) JTOMATED HEMATOLOGY ANALYZER	44	%	37.0 - 50.0
MEAN CORPUSCULAR		81.6	fL	80.0 - 100.0
MEAN CORPUSCULAR	R HAEMOGLOBIN (MCH)	26 ^L	pg	27.0 - 34.0
MEAN CORPUSCULAR	R HEMOGLOBIN CONC. (MCHC)	31.8 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI	ON WIDTH (RDW-CV)	14.4	%	11.00 - 16.00
RED CELL DISTRIBUTI	ON WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	44.1	fL	35.0 - 56.0
MENTZERS INDEX		15.14	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	(21.82	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>(WBCS)</u>			
TOTAL LEUCOCYTE CC by FLOW CYTOMETRY	DUNT (TLC) by sf cube & microscopy	4730	/cmm	4000 - 11000
NUCLEATED RED BLO by automated 6 par	OD CELLS (nRBCS) <i>t hematology analyzer</i>	NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) % JTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
DIFFERENTIAL LEUCO				
NEUTROPHILS	BY SF CUBE & MICROSCOPY	46 ^L	%	50 - 70





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









Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SUNITA SHARMA AGE/ GENDER : 62 YRS/FEMALE **PATIENT ID** :1590838 **COLLECTED BY** : SURJESH :012408250026 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 25/Aug/2024 09:46 AM : **BARCODE NO.** :01515674 **COLLECTION DATE** : 25/Aug/2024 10:00AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 25/Aug/2024 10:16AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** 43^H LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 1 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 10 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 2176 ABSOLUTE NEUTROPHIL COUNT /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2034 /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 40 - 440 47 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 473 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 192000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.22 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 68000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 11.0 - 45.0 35.5 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.7 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

Dr. Vinay Chopra

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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	MD (Pathology 8 Chairman & Con	A Microbiology) sultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 25/Aug/2024 10:42AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT			
Fest Name		Value	Unit	Biological Reference	interval
	ERYTH	ROCYTE SEDIMEN	TATION RATE (ES	R)	
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	26 ^H	mm/1st l	nr 0 - 20	
INTERPRETATION:	fic tost bocause an elevated resul	It often indicates the p	resence of inflammat	on associated with infection, cance body or what is causing it.	cer and auto

as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:

 ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while exprise contrace and quiping may decrease it. aspirin, cortisone, and quinine may decrease it



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: KOS DIAGNOSTIC LAB	REPORTING DATE		: 25/Aug/2024 11:34AM
: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
	Value	Unit	Biological Reference interval
CLIN	ICAL CHEMISTRY	/BIOCHEMISTR	Y
	GLUCOSE FAS	TING (F)	
GLUCOSE FASTING (F): PLASMA by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD)		mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0
	Chairman & Con : Mrs. SUNITA SHARMA : 62 YRS/FEMALE : SURJESH : : 01515674 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, CLIN): PLASMA	Chairman & Consultant Pathologist : Mrs. SUNITA SHARMA : 62 YRS/FEMALE PATH : SURJESH REG. : 01515674 COLI : KOS DIAGNOSTIC LAB REPO : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value CLINICAL CHEMISTRY GLUCOSE FAS): PLASMA 100.18 ^H	Chairman & Consultant Pathologist CEO & Consultant : Mrs. SUNITA SHARMA : 62 YRS/FEMALE PATIENT ID : SURJESH REG. NO./LAB NO. : REGISTRATION DATE : 01515674 COLLECTION DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT : 6349/1, NICHOLSON ROAD, AMBALA CANTT CLINICAL CHEMISTRY/BIOCHEMISTRY GLUCOSE FASTING (F)): PLASMA 100.18 ^H mg/dL

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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NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. SUNITA SHARMA : 62 YRS/FEMALE : SURJESH : : 01515674 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD	REG. REGI COLI REPO	ENT ID NO./LAB NO. STRATION DATE ECTION DATE DRTING DATE	: 1590838 : 012408250026 : 25/Aug/2024 09:46 AM : 25/Aug/2024 10:00AM : 25/Aug/2024 11:34AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OX		123.11	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSPI	UM HATE OXIDASE (ENZYMATIC)	75.11	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I by SELECTIVE INHIBITI		48.94	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		59.15	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		74.17	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by CALCULATED, SPE		15.02	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUI	N	321.33 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	2.52	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: SER by CALCULATED, SPEC		1.21	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)



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Page 5 of 14





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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.53 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SUNITA SHARMA AGE/ GENDER : 62 YRS/FEMALE **PATIENT ID** :1590838 **COLLECTED BY** : SURJESH :012408250026 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 25/Aug/2024 09:46 AM : **BARCODE NO.** :01515674 **COLLECTION DATE** : 25/Aug/2024 10:00AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 25/Aug/2024 11:34AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.27 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.00 - 0.40 0.12 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.15 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 36.21 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 48.92 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.74 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY U/L ALKALINE PHOSPHATASE: SERUM 40.0 - 130.0 102.13 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 42.51 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.42 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 3.79 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 2.63 gm/dL 2.30 - 3.50 by CALCULATED, SPECTROPHOTOMETRY

A : G RATIO: SERUM

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

1.44





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

RATIO



1.00 - 2.00





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD (CEO & Consultant I	Pathology)
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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Incre	eased)

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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Test Name		Value	Unit	Biological Reference interva	
	КІ	DNEY FUNCTIO	N TEST (COMPLETE)		
UREA: SERUM		15.24	mg/dL	10.00 - 50.00	
	NATE DEHYDROGENASE (GLDH)		5.		
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM		1.01	mg/dL	0.40 - 1.20	
		7.12	ma/dl	7.0 - 25.0	
by CALCULATED, SPE		7.12	mg/dL	7:0 - 23:0	
	GEN (BUN)/CREATININE	7.05 ^L	RATIO	10.0 - 20.0	
RATIO: SERUM					
by calculated, sp UREA/CREATININE F	ECTROPHOTOMETRY	15.09	RATIO		
	ECTROPHOTOMETRY	13.07	KATIO		
URIC ACID: SERUM		4.39	mg/dL	2.50 - 6.80	
by URICASE - OXIDAS	SE PEROXIDASE	0.44			
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.41	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SEF		2.51	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY		3		
<u>ELECTROLYTES</u>					
SODIUM: SERUM		146.1	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM		4.53	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV		4.00	IIIIII0i/L	3.30 - 3.00	
CHLORIDE: SERUM		109.57	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV					
	RULAR FILTERATION RATE				
	RULAR FILTERATION RATE	62.9			
(eGFR): SERUM by calculated					
INTERPRETATION.					

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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0 0001 . 2000 0ENT						
	٢	Dr. Vinay Chopra ID (Pathology & Microb hairman & Consultant			a m Chopra ID (Pathology) ant Pathologist	
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LIENT CODE.	: KOS DIAGNOS	TIC LAB	REPO	RTING DATE	: 25/Aug/2024 11:3	4AM
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AMBAL	A CANTT			
Test Name		V	/alue	Unit	Biological	Reference interval
 Inherited hyperam SIADH (syndrome of B. Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients INAPPROPIATE RATIC Diabetic ketoacido should produce an ir 	ecreased urea syn (urea rather than imonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop ren creased BUN/cre rapy (interferes w ULAR FILTERATION	creatinine diffuses ou s virtually absent in bl itidiuretic harmone) du ASED CREATININE: poversion of creatine t eatinine). al failure. causes false increase atinine ratio). ith creatinine measure	ood). ue to tubular sec o creatinine). in creatinine wit	retion of urea. h certain methodo /1.73m2)	plogies,resulting in norma ASSOCIATED FINDINGS No proteinuria	l ratio when dehydratio
G2		ney damage with	>90		Presence of Protein ,	-
02		mal or high GFR	- / (Ibumin or cast in urine	
G3a		d decrease in GFR	-60 -8			
G3b		ate decrease in GFR	30-5			
G4		re decrease in GFR	15-2			
G5		Kidney failure	<15			1

Kidney failure

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G5

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

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	Dr. Vinay Choj MD (Pathology & M Chairman & Consul	licrobiology) M	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. SUNITA SHARMA		
AGE/ GENDER	: 62 YRS/FEMALE	PATIENT ID	: 1590838
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012408250026
REFERRED BY	:	REGISTRATION DATE	: 25/Aug/2024 09:46 AM
BARCODE NO.	:01515674	COLLECTION DATE	: 25/Aug/2024 10:00AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 25/Aug/2024 11:34AM
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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	Dr. Vinay MD (Patholo	Chopra ogy & Microbiology)	Dr. Yugam MD	(Pathology)	
		Consultant Pathologist	CEO & Consultant		
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 25/Aug/2024 10:19AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		IMMUNOPATHOLO	GY/SEROLOGY		
		WIDAL SLIDE AGGLU	TINATION TEST		
SALMONELLA TYPHI		NIL	TITRE	1 : 80	
SALMONELLA TYPHI	Н	NIL	TITRE	1 : 160	
SALMONELLA PARAT	ГҮРНІ АН	NIL	TITRE	1 : 160	
SALMONELLA PARA	ГҮРНІ ВН	NIL	TITRE	1 : 160	

by SLIDE AGGLUTINATION INTERPRETATION:

1. Titres of 1:80 or more for "O" agglutinin is considered significant.

2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1. Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.

2.Lower titres may be found in normal individuals.

3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.

4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever *i.e* High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.

2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.

3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO	DLOGY	
	URINE R	OUTINE & MICROSCO	PIC EXAMINAT	TION
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVED		10	ml	
by DIP STICK/REFLEC	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
		AMBER YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY		CLEAR		CLEAR
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETR		1.01		1.002 - 1.030
CHEMICAL EXAMINA				
REACTION		ACIDIC		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		5.5		5.0 - 7.5
BILIRUBIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.		Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES		Negative		NEGATIVE (-ve)
	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY			
BLOOD		Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	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

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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		1-3	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		3-4	/HPF	ABSENT
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)

CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT BACTERIA

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

*** End Of Report ***

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT





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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT