



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	M	m Chopra D (Pathology) nt Pathologist	
	: MANU GOUTAM YRS/MALE		PATIENT ID	: 1705884	1
COLLECTED BY : SU	RJESH		REG. NO./LAB NO.	:012412	2220021
REFERRED BY :			REGISTRATION DATE	: 22/Dec/	/2024 10:19 AM
BARCODE NO. : 01	522815		COLLECTION DATE	: 22/Dec/	′2024 10:33AM
	S DIAGNOSTIC LAB		REPORTING DATE	: 22/Dec/	2024 10:52AM
CLIENT ADDRESS : 63	49/1, NICHOLSON ROAD, AMBA	ALA CANTT			
Test Name		Value	Unit		Biological Reference interval
	SWASTI	HYA WE	LLNESS PANEL: 1	.0	
	COMP	PLETE BL	OOD COUNT (CBC)		
	<u>CS) COUNT AND INDICES</u>				
HAEMOGLOBIN (HB) by CALORIMETRIC		14	gm/dL		12.0 - 17.0
RED BLOOD CELL (RBC)		5.8 ^H	Million	s/cmm	3.50 - 5.00
PACKED CELL VOLUME (NG, ELECTRICAL IMPEDENCE PCV) ATED HEMATOLOGY ANALYZER	45.5	%		40.0 - 54.0
MEAN CORPUSCULAR VO		78.4 ^L	fL		80.0 - 100.0
MEAN CORPUSCULAR H	AEMOGLOBIN (MCH) ATED HEMATOLOGY ANALYZER	24.2 ^L	pg		27.0 - 34.0
MEAN CORPUSCULAR H	EMOGLOBIN CONC. (MCHC) ATED HEMATOLOGY ANALYZER	30.8 ^L	g/dL		32.0 - 36.0
RED CELL DISTRIBUTIO	N WIDTH (RDW-CV) ATED HEMATOLOGY ANALYZER	14.6	%		11.00 - 16.00
RED CELL DISTRIBUTIO		43.2	fL		35.0 - 56.0
MENTZERS INDEX by CALCULATED		13.52	RATIO		BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED		19.79	RATIO		BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (0000			1000 11000
		6020	/cmm		4000 - 11000
FOTAL LEUCOCYTE COU by flow cytometry by sh					0.00 - 20.00
		NIL			0.00 20.00

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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

Page 1 of 15





Dr. Vinay Chopra



Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. MANU GOUTAM **AGE/ GENDER** : 50 YRS/MALE **PATIENT ID** :1705884 **COLLECTED BY** : SURJESH :012412220021 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 22/Dec/2024 10:19 AM : **BARCODE NO.** :01522815 **COLLECTION DATE** : 22/Dec/2024 10:33AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 22/Dec/2024 10:52AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS** 43^L % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 50^H LYMPHOCYTES % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 1 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 6 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 2589 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 3010 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 60 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 361 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 167000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.25 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 15^H fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) /cmm 100000^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELET LARGE CELL RATIO (P-LCR) 59.9^H 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.3 15.0 - 17.0 %

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mr. MANU GOUTAM		
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1705884
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012412220021
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Dec/2024 10:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	Г	
Test Name	Value	Unit	Biological Reference interval





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 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com







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BARCODE NO.	: 01522815	C	DLLECTION DATE	: 22/Dec/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 22/Dec/2024 11:32AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specif	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETRY ic test because an elevated result does not tell the health practitior	often indicates the	mm/1st	on associated with infection, cancer and auto-
as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sign	be used to monitor disease activit ematosus W ESR n with conditions that inhibit the	y and response to normal sedimenta	therapy in both of the a	bicallý 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
 Generally, ESR doe CRP is not affected 	e protein (C-RP) are both markers is not change as rapidly as does CF by as many other factors as is ESR ed, it is typically a result of two ty	RP, either at the st , making it a bette pes of proteins, glo	marker of inflammation	s it resolves.
5. Women tend to ha 6. Drugs such as dext	ve a higher ESR, and menstruatior ran, methyldopa, oral contracept d quinine may decrease it	ives, penicillamine	n cause temporary eleva	tions. line, and vitamin A can increase ESR, while





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Page 4 of 15





		hopra & Microbiology) onsultant Pathologist		(Pathology)
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BARCODE NO.	: 01522815		COLLECTION DATE	: 22/Dec/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Dec/2024 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN		FRY/BIOCHEMIST FASTING (F)	'nY
GLUCOSE FASTING by GLUCOSE OXIDAS	E (F): PLASMA E - PEROXIDASE (GOD-POD)	118.65 ^H	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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NAME	: Mr. MANU GOUTAM			1707004
AGE/ GENDER	: 50 YRS/MALE		TIENT ID	: 1705884
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CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		PORTING DATE	: 22/Dec/2024 11:45AM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		146.44	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSP	ERUM phate oxidase (enzymatic)	122.04	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO	L (DIRECT): SERUM	52.25	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		69.78	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 CHOLEST by calculated, spe		94.19	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER(24.41	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE	RUM Ectrophotometry	414.92	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		2.8	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.34	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	2.34 ^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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BARCODE NO.	: 01522815		COLLECTION DATE	: 22/Dec/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Dec/2024 11:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
BILIRUBIN DIRECT	: SERUM pectrophotometry Γ (CONJUGATED): SERUM	FUNCTION 0.73 0.38	N TEST (COMPLETE) mg/dL mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20 0.00 - 0.40
	SPECTROPHOTOMETRY CCT (UNCONJUGATED): SERUM	0.35	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		118 ^H	U/L	7.00 - 45.00
SGPT/ALT: SERUM		141.1 ^H	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.84	RATIO	0.00 - 46.00
ALKALINE PHOSPI by para nitrophen propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	285.69 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRON	L TRANSFERASE (GGT): SERUM PHTOMETRY	386 ^H	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.04	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.28	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	I ECTROPHOTOMETRY	2.76	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.55	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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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INTERPRETATION





S/MALE SH 2815 9IAGNOSTIC LAB 71, NICHOLSON ROAD, AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1705884 : 012412220021 : 22/Dec/2024 10:19 AM : 22/Dec/2024 10:33AM : 22/Dec/2024 11:57AM
SH 2815	REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE	: 012412220021 : 22/Dec/2024 10:19 AM : 22/Dec/2024 10:33AM
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	REG. NO./LAB NO.	: 012412220021
S/MALE	PATIENT ID	: 1705884
ANU GOUTAM		
MD (Pathology & Microbiology)	MD	(Pathology)
V		MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant

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).

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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CLIENT ADDRESS							
Test Name		Value	Unit	Biological Reference interva			
	KIDNE	EY FUNCTIO	N TEST (COMPLETE)				
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	29.99	mg/dL	10.00 - 50.00			
CREATININE: SERU	JM	1.2	mg/dL	0.40 - 1.40			
BLOOD UREA NITROGEN (BUN): SERUM by CALCULATED, SPECTROPHOTOMETRY		14.01	mg/dL	7.0 - 25.0			
BLOOD UREA NITE RATIO: SERUM by CALCULATED, SPE	COGEN (BUN)/CREATININE	11.68	RATIO	10.0 - 20.0			
UREA/CREATININ by CALCULATED, SPE		24.99	RATIO				
URIC ACID: SERUM by URICASE - OXIDAS		3.73	mg/dL	3.60 - 7.70			
CALCIUM: SERUM by ARSENAZO III, SPE		9.66	mg/dL	8.50 - 10.60			
PHOSPHOROUS: SE by phosphomolybe ELECTROLYTES	ERUM DATE, SPECTROPHOTOMETRY	2.41	mg/dL	2.30 - 4.70			
SODIUM: SERUM by ISE (ION SELECTIV	ELECTRODE)	138.7	mmol/L	135.0 - 150.0			
POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)		4.19	mmol/L	3.50 - 5.00			
CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)		104.03	mmol/L	90.0 - 110.0			
	IERULAR FILTERATION RATE						
(eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	73.7					

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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CLIENT CODE.	: KOS DIAGN			REPORTING DAT	E :	22/Dec/2024	11:45AM	
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AME	ALA CANTT					
Test Name			Value	Un	it	Biolog	gical Referen	ce interva
 Excess protein inta burns, surgery, cache Urine reabsorption Reduced muscle m Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (<1 	kia, high fever). (e.g. ureter col ass (subnormal cetracycline, gl D:1) WITH ELEV (BUN rises disp superimposed D:1) WITH DECF osis.	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease.	n) ELS:				drome, high pr	otein diet,
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 (ro 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an ind 2. Cephalosporin ther ESTIMATED GLOMERU G1 G2 G3 G3a	e or productio tia, high fever). (e.g. ureter col ass (subnormal tetracycline, gl D:1) WITH ELEV (BUN rises disp superimposed D:1) WITH DECF osis. d starvation. treased urea sy urea rather tha nonemias (urea f inappropiate D:1) WITH INCR oy (accelerates eleases muscle who develop ref sis (acetoaceta reased BUN/cr apy (interferes LAR FILTERATIC NO K NO K NO K NO	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. REASED BUN : Thesis. n creatinine diffuses a is virtually absent ir antidiuretic harmone) EASED CREATININE: conversion of creatin creatinine). anal failure. te causes false increa reatinine ratio). with creatinine measu N RATE: DESCRIPTION rmal kidney function idney damage with ormal or high GFR ild decrease in GFR	b) ELS: than creatinin but of extrace blood). due to tubula e to creatinin rement).	e) (e.g. obstructive ellular fluid). ar secretion of urea e). e with certain met <u>L/min/1.73m2) >90 >90 60 -89</u>	e uropathy) a. thodologies).	ormal ratio wh	
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necro 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 (ro 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an ind 2. Cephalosporin ther ESTIMATED GLOMERU G1 G2	e or productio tia, high fever). (e.g. ureter col ass (subnormal tetracycline, gl D:1) WITH ELEV (BUN rises disp superimposed D:1) WITH DECF osis. d starvation. treased urea sy urea rather tha nonemias (urea f inappropiate D:1) WITH INCR oy (accelerates eleases muscle who develop rea- tis (acetoaceta reased BUN/cr apy (interferes LAR FILTERATION NO K NO K NO K NO K NO	ostomy) creatinine productio ucocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : n creatinine diffuses a is virtually absent ir antidiuretic harmone) EASED CREATININE: conversion of creatin creatinine). nal failure. te causes false increa reatinine ratio). with creatinine measu in RATE: DESCRIPTION rmal kidney function idney damage with ormal or high GFR	b) ELS: than creatinin but of extrace blood). due to tubula e to creatinin rement).	e) (e.g. obstructive ellular fluid). ar secretion of urea e). e with certain met <u>L/min/1.73m2) >90 >90</u>	e uropathy) a. thodologies	s,resulting in no IATED FINDING proteinuria nce of Protein ,	ormal ratio wh	





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

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
 www.koshealthcare.com







	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology) MI	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. MANU GOUTAM		
AGE/ GENDER	: 50 YRS/MALE	PATIENT ID	: 1705884
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012412220021
REFERRED BY	:	REGISTRATION DATE	: 22/Dec/2024 10:19 AM
BARCODE NO.	:01522815	COLLECTION DATE	: 22/Dec/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Dec/2024 11:45AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT	
Test Name		Value Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

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



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

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







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BARCODE NO.	: 01522815	COL	LECTION DATE	: 22/Dec/2024 10:33AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	CLAB REPORTING DATE		: 22/Dec/2024 10:55AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	IMN	MUNOPATHOL)GY/SEROLOGY	<i>č</i>	
	WI	DAL SLIDE AGGLU	TINATION TEST		
SALMONELLA TYP		1:40	TITRE	1:80	
SALMONELLA TYP by SLIDE AGGLUTINA	PHI H	1:20	TITRE	1 : 160	
SALMONELLA PAR		NIL	TITRE	1:160	
SALMONELLA PAR	КАТҮРНІ ВН	NIL	TITRE	1:160	

SALMONELLA PARATYPHI BH 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:

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.





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

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

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BARCODE NO.	:01522815		CTION DATE	: 22/Dec/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 22/Dec/2024 12:34PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CAN I I		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	IOLOGY	
	URINE ROU	TINE & MICROSC		ATION
PHYSICAL EXAMIN				
QUANTITY RECIEVE		10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
CHEMICAL EXAMIN	TANCE SPECTROPHOTOMETRY NATION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRT	1+		NEGATIVE (-ve)
by DIP STICK/REFLEC SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
pH by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	6.5		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXA				
RED BLOOD CELLS by MICROSCOPY ON C	(RBCs) ENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3



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 www.koshealthcare.com
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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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTI	Г		
Test Name		Value	Unit	Biological Reference interval	
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5	
EPITHELIAL CELLS	S	1-3	/HPF	ABSENT	

EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/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 ***



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

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