

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr		Dr. Yugam	
	MD (Pathology & Mic Chairman & Consulta			Pathology) Pathologist
NAME	: Mr. BHUPINDER GOYAL			
AGE/ GENDER	: 79 YRS/MALE		PATIENT ID	: 1613895
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012409150031
REFERRED BY	:		REGISTRATION DATE	: 15/Sep/2024 10:39 AM
BARCODE NO.	: 01517007		COLLECTION DATE	: 15/Sep/2024 01:22PM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB		REPORTING DATE	: 15/Sep/2024 10:53AM
CLIENT ADDRESS	. 0549/ I, MCHOLSON KOAD, AMD	ALA CANTI		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
			DOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13.4	gm/dL	12.0 - 17.0
<i>by CALORIMETRIC</i> RED BLOOD CELL (RB		4.14	Millions/cr	nm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	4.14	IVIIIIOLIS/ CI	1111 3.50 - 5.00
PACKED CELL VOLUN	IE (PCV) UTOMATED HEMATOLOGY ANALYZER	41.4	%	40.0 - 54.0
MEAN CORPUSCULAI		99.8	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER R HAEMOGLOBIN (MCH)	32.4	DQ	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER	JZ.4	pg	27.0 - 54.0
	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.4	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	ION WIDTH (RDW-CV)	13.3	%	11.00 - 16.00
	utomated hematology analyzer ION WIDTH (RDW-SD)	49	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	47	12	33.0 - 30.0
MENTZERS INDEX		24.11	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	X	32.09	RATIO	BETA THALASSEMIA TRAIT:<= 65.0
by CALCULATED				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE C	OUNT (TLC) ' by sf cube & microscopy	6450	/cmm	4000 - 11000
NUCLEATED RED BLC	OOD CELLS (nRBCS)	NIL		0.00 - 20.00
by AUTOMATED 6 PAR NUCLEATED RED BLC	RT HEMATOLOGY ANALYZER	NIL	%	< 10 %
by CALCULATED BY A	UTOMATED HEMATÓLOGY ANALYZER		70	
DIFFERENTIAL LEUCO	<u>DCYTE COUNT (DLC)</u>			
NEUTROPHILS by FLOW CYTOMETRY	(BY SF CUBE & MICROSCOPY	72 ^H	%	50 - 70



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Test Name		Value	Unit	Biological Reference interval
LYMPHOCYTES		18 ^L	%	20 - 40
by FLOW CYTOMETR EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	2	%	1 - 6
	Y BY SF CUBE & MICROSCOPY			
MONOCYTES	Y BY SF CUBE & MICROSCOPY	8	%	2 - 12
BASOPHILS		0	%	0 - 1
by FLOW CYTOMETR ABSOLUTE LEUKOCY	Y BY SF CUBE & MICROSCOPY			
		A / A A	lomm	2000 - 7500
ABSOLUTE NEUTRO	Y BY SF CUBE & MICROSCOPY	4644	/cmm	2000 - 7500
ABSOLUTE LYMPHO		1161	/cmm	800 - 4900
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY HIL COUNT	129	/cmm	40 - 440
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY		/ GHIIII	10 110
	TE COUNT Y by sf cube & microscopy	516	/cmm	80 - 880
ABSOLUTE BASOPHI		0	/cmm	0 - 110
-	Y BY SF CUBE & MICROSCOPY			
	HER PLATELET PREDICTIVE MARKE		100000	150000 450000
PLATELET COUNT (P by HYDRO DYNAMIC F	L I) FOCUSING, ELECTRICAL IMPEDENCE	271000	/cmm	150000 - 450000
PLATELETCRIT (PCT)		0.25	%	0.10 - 0.36
by HYDRO DYNAMIC F MEAN PLATELET VO	FOCUSING, ELECTRICAL IMPEDENCE	9	fL	6.50 - 12.0
	FOCUSING, ELECTRICAL IMPEDENCE	7		0.30 - 12.0
PLATELET LARGE CEI	· · · · · ·	57000	/cmm	30000 - 90000
PLATELET LARGE CE	FOCUSING, ELECTRICAL IMPEDENCE	20.9	%	11.0 - 45.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
	TION WIDTH (PDW) FOCUSING, ELECTRICAL IMPEDENCE	16.2	%	15.0 - 17.0
	ICTED ON EDTA WHOLE BLOOD			



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Test Name		Value	Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENT	TION RATE (ESR)	
	MENTATION RATE (ESR)	39 ^H	mm/1st hr	0 - 20
	RGREN AUTOMATED METHOD			

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such 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 devicen, methylicity and contracentives.

KOS Diagnostic Lab

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6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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Page 3 of 13





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Test Name				Biological Reference interval
	CLIN	ICAL CHEMISTRY/		Ŷ
		GLUCOSE FAST	ING (F)	
GLUCOSE FASTING (by GLUCOSE OXIDAS	(F): PLASMA Se - PEROXIDASE (GOD-POD)	166.39 ^H	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 consumpt 3. A fasting plasma g	ion of 75 gms of glucose) is recon	considered normal. ng/dl is considered as gl nmended for all such pa is highly suggestive of d	tients. abetic state. A repe	prediabetic. A fasting and post-prandial blood at post-prandial is strongly recommended for all





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ISU 9001:2008 CERI	IFIED LAB		EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS
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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILE	: BASIC	
CHOLESTEROL TOTA by CHOLESTEROL O		152.39	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SEF by GLYCEROL PHOSE	RUM PHATE OXIDASE (ENZYMATIC)	75.12	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		54.4	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: by CALCULATED, SPE		82.97	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		97.99	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 CHOLESTEROL	: SERUM Ectrophotometry	15.02	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU		379.9	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL		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
LDL/HDL RATIO: SEF by CALCULATED, SPE		1.53	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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77

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.38 ^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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Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: SI by diazotization, sf	ERUM PECTROPHOTOMETRY	0.64	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.19	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT	(UNCONJUGATED): SERUM	0.45	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	11.2	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	19.2	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE		0.58	RATIO	0.00 - 46.00
ALKALINE PHOSPHA by para nitrophen propanol	TASE: SERUM YL PHOSPHATASE BY AMINO METHYL	91.11	U/L	40.0 - 130.0
GAMMA GLUTAMYL by szasz, spectrof	. TRANSFERASE (GGT): SERUM PHTOMETRY	10.51	U/L	0.00 - 55.0
TOTAL PROTEINS: SE by BIURET, SPECTRO		6.58	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol G	REEN	3.71	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPE	CTROPHOTOMETRY	2.87	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.29	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

<u>INTERPRETATION</u> 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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HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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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	KI	DNEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		30.77	mg/dL	10.00 - 50.00
-	NATE DEHYDROGENASE (GLDH)		, and the second s	
CREATININE: SERUN by ENZYMATIC, SPEC		0.95	mg/dL	0.40 - 1.40
)GEN (BUN): SERUM	14.38	mg/dL	7.0 - 25.0
•				10.0.00.0
RATIO: SERUM	OGEN (BUN)/CREATININE	15.14	RATIO	10.0 - 20.0
	ECTROPHOTOMETRY			
UREA/CREATININE I		32.39	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	ECTROPHOTOMETRY	4.64	mg/dL	3.60 - 7.70
by URICASE - OXIDAS	SE PEROXIDASE			
CALCIUM: SERUM by ARSENAZO III, SPE		9.36	mg/dL	8.50 - 10.60
PHOSPHOROUS: SEF		3.11	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBL	DATE, SPECTROPHOTOMETRY		3	
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIV		137.5	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.32	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV				
CHLORIDE: SERUM by ISE (ION SELECTIV	/F FL FCTRODF)	103.13	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
ESTIMATED GLOME	RULAR FILTERATION RATE	81.4		
(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.



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Test Name		Value U	nit B	Biological Reference interval
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia 	superimposed on renal disease.		ve uropathy).	
 Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia PecREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. Pregnancy. PCREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin ther CKD STAGE 	ass (subnormal creatinine productetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE I (BUN rises disproportionately mosuperimposed on renal disease. 10:1) WITH DECREASED BUN : osis. ad starvation. b. creased urea synthesis. urea rather than creatinine diffusted monemias (urea is virtually absentiated inappropiate antidiuretic harmon of inappropiate antidiuretic harmon 10:1) WITH INCREASED CREATININE py (accelerates conversion of created eleases muscle creatinine). who develop renal failure. 1: sis (acetoacetate causes false incu- creased BUN/creatinine ratio). apy (interferes with creatinine metado ILAR FILTERATION RATE: DESCRIPTION	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). It in blood). one) due to tubular secretion of ure atine to creatinine). rease in creatinine with certain me easurement). GFR (mL/min/1.73m2)	ethodologies,resulting	DINGS
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Diherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther <u>STIMATED GLOMERL</u> <u>CKD STAGE</u> G1	ass (subnormal creatinine productetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE I (BUN rises disproportionately mosuperimposed on renal disease. 10:1) WITH DECREASED BUN : 0:1) WITH DECREASED BUN : 0:3:. 10:1) WITH DECREASED BUN : 10:2) 10:2) WITH INCREASED CREATININE 10:2) 10:2) WITH INCREASED CREATININE 10:2) WITH INCREASED CREATININE 10:2) WITH INCREASED CREATININE 10:2) WITH INCREASED CREATININE 10:2)	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). at in blood). one) due to tubular secretion of ure E: atine to creatinine). rease in creatinine with certain me easurement). GFR (mL/min/1.73m2) on >90	ea. ethodologies,resulting ASSOCIATED FIN No proteinu	DINGS ria
Reduced muscle m Certain drugs (e.g. VCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	ass (subnormal creatinine productetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE I (BUN rises disproportionately mosuperimposed on renal disease. 10:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffus monemias (urea is virtually absen of inappropiate antidiuretic harmo 10:1) WITH INCREASED CREATININE py (accelerates conversion of createleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inco creased BUN/creatinine ratio). apy (interferes with creatinine met LAR FILTERATION RATE: DESCRIPTION Normal kidney functi Kidney damage with	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). at in blood). one) due to tubular secretion of ure E: atine to creatinine). rease in creatinine with certain me easurement). On >90 n >90	ea. ethodologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	DINGS ria otein ,
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther <u>STIMATED GLOMERU</u> <u>G1</u> <u>G2</u>	ass (subnormal creatinine productetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE I (BUN rises disproportionately mosuperimposed on renal disease. 10:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffus monemias (urea is virtually absen of inappropiate antidiuretic harmo 10:1) WITH INCREASED CREATININE py (accelerates conversion of createleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inco creased BUN/creatinine ratio). apy (interferes with creatinine met ILAR FILTERATION RATE: DESCRIPTION Normal kidney functi Kidney damage with normal or high GFR	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). in blood). one) due to tubular secretion of ure atine to creatinine). rease in creatinine with certain me easurement). On >90 N >90	ea. ethodologies,resulting ASSOCIATED FIN No proteinu	DINGS ria otein ,
B. Reduced muscle m Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (Inherited hyperam SIADH (syndrome c Pregnancy. DECREASED RATIO (<1 Nuscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CEphalosporin ther <u>STIMATED GLOMERU</u> <u>CKD STAGE</u> <u>G1</u> <u>G2</u> <u>G3a</u>	ass (subnormal creatinine productetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE I (BUN rises disproportionately mosuperimposed on renal disease. 10:1) WITH DECREASED BUN : osis. d starvation. c. creased urea synthesis. urea rather than creatinine diffus monemias (urea is virtually absen of inappropiate antidiuretic harmo f) (accelerates conversion of createleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false inco creased BUN/creatinine ratio). apy (interferes with creatinine met LAR FILTERATION RATE: DESCRIPTION Normal kidney functi Kidney damage with normal or high GFR Mild decrease in GF	LEVELS: pre than creatinine) (e.g. obstructive ses out of extracellular fluid). in blood). one) due to tubular secretion of ure atine to creatinine). rease in creatinine with certain me easurement). on >90 n >90 n >90 n >90 n >90 0 >90 0 >90 0 >90 0 >90 0 >90 0 >90 0 >90 0 >90 0 >89	ea. ethodologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	DINGS ria otein ,
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DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) MBBS , MD (PATHOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST









	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology) MD	n Chopra 9 (Pathology) t Pathologist	
NAME	: Mr. BHUPINDER GOYAL			
AGE/ GENDER	: 79 YRS/MALE	PATIENT ID	: 1613895	
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012409150031	
REFERRED BY	:	REGISTRATION DATE	: 15/Sep/2024 10:39 AM	
BARCODE NO.	: 01517007	COLLECTION DATE	: 15/Sep/2024 01:22PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 15/Sep/2024 12:36PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA 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 Ch MD (Pathology & Chairman & Con				(Pathology)
NAME	: Mr. BHUPINDER GOYAL			
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BARCODE NO.	: 01517007	COL	LECTION DATE	: 15/Sep/2024 01:22PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 15/Sep/2024 02:42PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PAT	THOLOGY	
		OUTINE & MICRO	SCOPIC EXAMINAT	TION
PHYSICAL EXAMINA				
QUANTITY RECIEVE		10	ml	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	10		
	COLOUR		N	PALE YELLOW
TRANSPARANCY	CTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
SPECIFIC GRAVITY	CTANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030
CHEMICAL EXAMIN				
REACTION		NEUTRAL		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
PROTEIN	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
pH	CTANCE SPECTROPHOTOMETRY	7		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
NITRITE	CTANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
•	CTANCE SPECTROPHOTOMETRY	Negether		
KETONE BODIES by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve		NEGATIVE (-ve)
	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-Ve)	NEGATIVE (-VE)

MICROSCOPIC EXAMINATION



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

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs)	NEGATIVE (-ve)	/HPF	0 - 3	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		/1111	0-3	
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 5	
EPITHELIAL CELLS	1-3	/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	NEGATIVE (-ve)		NEGATIVE (-ve)	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT	
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				

*** End Of Report ***





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