



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mr. NARINDER ANAND			
AGE/ GENDER	: 84 YRS/MALE		PATIENT ID	: 1700039
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012412160016
REFERRED BY	:		REGISTRATION DATE	: 16/Dec/2024 09:59 AM
BARCODE NO.	:01522504		COLLECTION DATE	: 16/Dec/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 16/Dec/2024 10:32AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	HYA WE	LLNESS PANEL: 1.	0
			OOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	11.9 ^L	gm/dL	12.0 - 17.0
by CALORIMETRIC RED BLOOD CELL (DRC) COUNT	4.18	Millions	/cmm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	4.10		
PACKED CELL VOLU	JME (PCV) UTOMATED HEMATOLOGY ANALYZER	37.6 ^L	%	40.0 - 54.0
MEAN CORPUSCUL	AR VOLUME (MCV)	90	fL	80.0 - 100.0
	utomated hematology analyzer AR HAEMOGLOBIN (MCH)	28.5	pg	27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	31.7 ^L	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV)	12.3	%	11.00 - 16.00
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	41.5	fL	35.0 - 56.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER		DATIO	
MENTZERS INDEX by CALCULATED		21.53	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA:
GREEN & KING IND)FX	26.51	RATIO	>13.0 BETA THALASSEMIA TRAIT:<
by CALCULATED		20.01	IAT IO	65.0
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	LLS (WBCS)			05.0
	E COUNT (TLC)	8280	/cmm	4000 - 11000
	Y BY SF CUBE & MICROSCOPY			0.00 - 20.00
by FLOW CYTOMETRY	I OOD CELLS (nDDCS)	NIII		0.00 - 20.00
NUCLEATED RED B	ELOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL NIL		





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

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Dr. Yugam Chopra MD (Pathology)

	Chairman & Consul	tant Pathologist	CEO & Consultant	Pathologist
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Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LE	UCOCYTE COUNT (DLC)			
NEUTROPHILS		56	%	50 - 70
LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY	28	%	20 - 40
•	Y BY SF CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	8 ^H	%	1 - 6
MONOCYTES		8	%	2 - 12
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	70	0-1
	CYTES (WBC) COUNT			
ABSOLUTE NEUTR	OPHIL COUNT y by sf cube & microscopy	4637	/cmm	2000 - 7500
ABSOLUTE LYMPH		2318	/cmm	800 - 4900
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE EOSINO)PHIL COUNT Y BY SF CUBE & MICROSCOPY	662 ^H	/cmm	40 - 440
ABSOLUTE MONOC	CYTE COUNT	662	/cmm	80 - 880
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
	Y BY SF CUBE & MICROSCOPY	0	/ clillin	0 - 110
	OTHER PLATELET PREDICTIVE			
PLATELET COUNT	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	354000	/cmm	150000 - 450000
PLATELETCRIT (PC		0.3	%	0.10 - 0.36
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
MEAN PLATELET V by HYDRO DYNAMIC F	OLUME (MPV) FOCUSING, ELECTRICAL IMPEDENCE	8	fL	6.50 - 12.0

58000

16.3

Dr. Vinay Chopra MD (Pathology & Microbiology)

PLATELET DISTRIBUTION WIDTH (PDW) 16 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

PLATELET LARGE CELL COUNT (P-LCC)

PLATELET LARGE CELL RATIO (P-LCR)

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

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

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

/cmm

%

%



30000 - 90000

11.0 - 45.0

15.0 - 17.0

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Test Name	Value	Unit	Biological Reference interval





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	ERYTHRO	CYTE SEDIMEN	NTATION RATE (ESR)
An ESR can be affe s C-reactive protein This test may also stemic lupus erythe ONDITION WITH LOV	be used to monitor disease activity ematosus N ESR n with conditions that inhibit the n	flammation. For thi and response to th ormal sedimentatio	s reason, the ESR is ty herapy in both of the a	picallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count





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



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Test Name		Value	Unit	Biological Reference interval
	CLINI		TRY/BIOCHEMIST E FASTING (F)	'nY
GLUCOSE FASTING by glucose oxidas	G (F): PLASMA E - PEROXIDASE (GOD-POD)	93.81	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

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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		hopra & Microbiology) pnsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	159.81	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX			0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
RIGLYCERIDES: S		128.47	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
IDL CHOLESTERO	L (DIRECT): SERUM	43.1	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
by delet in the initiality				60.0
				HIGH HDL: $> OR = 60.0$
DL CHOLESTEROI by CALCULATED, SPE		91.02	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SPL	CIROFHOTOMETRI			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST	FEROL: SERUM	116.71	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE		110.11	ing, ui	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 -
				189.0 HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
LDL CHOLESTER		25.69	mg/dL	0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SER		448.09	mg/dL	350.00 - 700.00
by CALCULATED, SPE	CTROPHOTOMETRY			
CHOLESTEROL/HD by CALCULATED, SPE		3.71	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0
				HIGH RISK: > 11.0

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)

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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.11	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.98 ^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
BILIRUBIN TOTAL		FUNCTION 0.46	TEST (COMPLETE) mg/dL	INFANT: 0.20 - 8.00
	PECTROPHOTOMETRY		8	ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.14	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	18.8	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	15.4	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	1.22	RATIO	0.00 - 46.00
ALKALINE PHOSPI		120.58	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	34.07	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.34	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.63	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.71	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.34	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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

INTERPRETATION





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology) M[m Chopra D (Pathology) nt Pathologist
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DECREASED:

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

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

PROGNOSTIC	SIGNIFICANCE:

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



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

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	Dr. Yugam Chopra MD (Pathology) gist CEO & Consultant Pathologist		Microbiology)	Dr. Vinay Cho MD (Pathology & Chairman & Cons				
				Mr. NARINDER ANAND	NAME			
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			MBALA CANTT	6349/1, NICHOLSON ROAD, A	CLIENT ADDRESS			
gical Reference interv	Biological	Unit	Value		Test Name			
		FEST (COMPLETE)	EY FUNCTION 7	KIDN				
) - 50.00	10.00 - 50	mg/dL	43.8	DEHYDROGENASE (GLDH)	UREA: SERUM			
- 1.40	0.40 - 1.40	mg/dL	1.5 ^H		CREATININE: SERUM			
25.0	7.0 - 25.0	mg/dL	20.47	EN (BUN): SERUM	BLOOD UREA NITRO			
- 20.0	10.0 - 20.0	RATIO	13.65	EN (BUN)/CREATININE	BLOOD UREA NITRO RATIO: SERUM			
		RATIO	29.2	ATIO: SERUM	UREA/CREATININE I			
- 7.70	3.60 - 7.70	mg/dL	6.19		URIC ACID: SERUM			
- 10.60	8.50 - 10.6	mg/dL	9.88	ROPHOTOMETRY	CALCIUM: SERUM by ARSENAZO III, SPECT			
- 4.70	2.30 - 4.70	mg/dL	3.45	M E, SPECTROPHOTOMETRY	PHOSPHOROUS: SER			
					ELECTROLYTES			
) - 150.0	135.0 - 15	mmol/L	140.3	LECTRODE)	SODIUM: SERUM by ISE (ION SELECTIVE E			
- 5.00	3.50 - 5.00	mmol/L	4.58	LECTRODE)	POTASSIUM: SERUM by ISE (ION SELECTIVE B			
- 110.0	90.0 - 110	mmol/L	105.23		CHLORIDE: SERUM by ISE (ION SELECTIVE B			
				ULAR FILTERATION RATE	ESTIMATED GLOME			
			45.6	ULAR FILTERATION RATE	ESTIMATED GLOMEF (eGFR): SERUM			
- 1.40 25.0 - 20.0 - 7.70 - 10.6 - 4.70 0 - 150 - 5.00	0.40 - 1.40 7.0 - 25.0 10.0 - 20.0 3.60 - 7.70 8.50 - 10.6 2.30 - 4.70 135.0 - 15 3.50 - 5.00	mg/dL mg/dL RATIO RATIO mg/dL mg/dL mg/dL mg/dL	 1.5^H 20.47 13.65 29.2 6.19 9.88 3.45 140.3 4.58 105.23 	EN (BUN): SERUM ROPHOTOMETRY EN (BUN)/CREATININE ROPHOTOMETRY ATIO: SERUM ROPHOTOMETRY EROXIDASE ROPHOTOMETRY M E, SPECTROPHOTOMETRY LECTRODE) LECTRODE) RULAR FILTERATION RATE	by UREASE - GLUTAMAT CREATININE: SERUM by ENZYMATIC, SPECTR BLOOD UREA NITRO by CALCULATED, SPECT BLOOD UREA NITRO ATIO: SERUM by CALCULATED, SPECT UREA/CREATININE I by CALCULATED, SPECT UREA/CREATININE I by CALCULATED, SPECT URIC ACID: SERUM by URICASE - OXIDASE I CALCIUM: SERUM by ARSENAZO III, SPECT PHOSPHOROUS: SERI by PHOSPHOMOLYBDAT ELECTROLYTES SODIUM: SERUM by ISE (ION SELECTIVE IN CHLORIDE: SERUM			

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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		Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) st CEO & Consultant Pathologist					
NAME	: Mr. NARIND	ER ANAND							
AGE/ GENDER	: 84 YRS/MAL	E	PA	TIENT ID	: 1	700039			
COLLECTED BY	: SURJESH		RI	G. NO./LAB NO.	:)124121600	16		
REFERRED BY				GISTRATION DA		.6/Dec/2024 (
BARCODE NO.	: 01522504								
						: 16/Dec/2024 10:04AM : 16/Dec/2024 11:09AM			
CLIENT CODE.	: KOS DIAGNO			PORTING DATE		.6/Dec/2024 1	11:09AM		
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMB	ALA CANTT						
Test Name			Value	Uni	it	Biolog	gical Refe	erence in	terval
9. Certain drugs (e.g. I NCREASED RATIO (>2 1. Postrenal azotemia	tetracycline, glu 0:1) WITH ELEVA a (BUN rises disp	TED CREATININE LEVE	LS:	(e.g. obstructive	uropathy).				
 P. Certain drugs (e.g., INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients Muscular patients Mappropiate RATIO Debetic ketoacido Should produce an in Cephalosporin there ESTIMATED GLOMERI G1 	tetracycline, glu tetracycline, glu to:1) WITH ELEVA (BUN rises disp superimposed of to:1) WITH DECR osis. and starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a to:1) WITH INCRI py (accelerates eleases muscle of who develop re sis (acetoacetat creased BUN/cr apy (interferes JLAR FILTERATIO	Accorticoids) ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : Acceatinine diffuses of is virtually absent in intidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). hal failure. the causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function	LS: han creatinine) but of extracellu blood). due to tubular e to creatinine) e in creatinine rement).	ular fluid). secretion of urea. with certain meth min/1.73m2) >90	hodologies, <u>ASSOCI</u>	ATED FINDINGS		o when de	hydrati
 Certain drugs (e.g., NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia CECREASED RATIO (<' Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Barden and the second Construction of the second Pregnancy. Pregnancy. Pregnancy. Phenacimide theration of the second Construction of the second of the second construction of the second of	tetracycline, glu tetracycline, glu to:1) WITH ELEVA (BUN rises disp superimposed of to:1) WITH DECR osis. Ind starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a to:1) WITH INCRI py (accelerates eleases muscle of who develop re sis (acetoacetat creased BUN/cr apy (interferes ULAR FILTERATIO	Accorticoids) ATED CREATININE LEVI roportionately more to in renal disease. EASED BUN : Acceatinine diffuses of its virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). hal failure. the causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with	LS: han creatinine) but of extracellu blood). due to tubular e to creatinine) e in creatinine rement).	ular fluid). secretion of urea. with certain meth min/1.73m2)	hodologies, ASSOCI No Presen	ATED FINDINGS proteinuria ce of Protein ,	<u> </u>	o when de	hydrati
 A. Certain drugs (e.g., NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin there CETIMATED GLOMERI G1 	tetracycline, glu tetracycline, glu to:1) WITH ELEVA (BUN rises disp superimposed of to:1) WITH DECR osis. and starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a to:1) WITH INCRI py (accelerates eleases muscle of who develop re sis (acetoacetat creased BUN/cr apy (interferes ULAR FILTERATIO	Accordition of the second seco	LS: han creatinine) but of extracellu blood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/	ular fluid). secretion of urea. with certain meth <u>min/1.73m2)</u> >90 >90	hodologies, ASSOCI No Presen	ATED FINDINGS	<u> </u>	o when de	hydrati
 P. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin there STIMATED GLOMERI G1 G2 	tetracycline, glu tetracycline, glu to:1) WITH ELEVA (BUN rises disp superimposed of to:1) WITH DECR osis. Ind starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a finappropiate a to:1) WITH INCRI py (accelerates eleases muscle of who develop re : sis (acetoacetat creased BUN/cr apy (interferes v JLAR FILTERATIO	Accordition of the second seco	LS: han creatinine) but of extracellublood). due to tubular e to creatinine) e in creatinine rement). GFR (mL/	ular fluid). secretion of urea. with certain meth min/1.73m2) >90 >90 0 -89	hodologies, ASSOCI No Presen	ATED FINDINGS proteinuria ce of Protein ,	<u> </u>	o when de	hydrati
 P. Certain drugs (e.g., INCREASED RATIO (>2 Prerenal azotemia Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr Low protein diet and Severe liver diseas Other causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. DECREASED RATIO (Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin there ESTIMATED GLOMERI G1 	tetracycline, glu tetracycline, glu to:1) WITH ELEVA a (BUN rises disp superimposed of to:1) WITH DECR osis. and starvation. e. creased urea sylutical urea rather that monemias (urea of inappropiate a finappropiate a finap	Accordition of the second seco	LS: han creatinine) blood). due to tubular e to creatinine e in creatinine rement). GFR (mL/ 6 3	ular fluid). secretion of urea. with certain meth <u>min/1.73m2)</u> >90 >90	hodologies, ASSOCI No Presen	ATED FINDINGS proteinuria ce of Protein ,	<u> </u>	o when de	hydrati



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









	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consulta	crobiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mr. NARINDER ANAND		
AGE/ GENDER	: 84 YRS/MALE	PATIENT ID	: 1700039
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012412160016
REFERRED BY	:	REGISTRATION DATE	: 16/Dec/2024 09:59 AM
BARCODE NO.	: 01522504	COLLECTION DATE	: 16/Dec/2024 10:04AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 16/Dec/2024 11:09AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA 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.	: 01522504		ION DATE	: 16/Dec/2024 10:04AM			
CLIENT CODE.	: KOS DIAGNOSTIC LAB		ING DATE	: 16/Dec/2024 10:45AM			
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT							
Test Name		Value	Unit	Biological Reference interval			
		CLINICAL PATHO	DLOGY				
	URINE RO	UTINE & MICROSCO	PIC EXAMINA	ATION			
PHYSICAL EXAMIN	ATION						
QUANTITY RECIEVE		10	ml				
by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW			
by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY						
TRANSPARANCY by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY	CLEAR		CLEAR			
SPECIFIC GRAVITY		1.01		1.002 - 1.030			
CHEMICAL EXAMIN	ANCE SPECTROPHOTOMETRY						
REACTION		ACIDIC					
by DIP STICK/REFLECT PROTEIN	ANCE SPECTROPHOTOMETRY	Nogotivo		NEGATIVE (-ve)			
	ANCE SPECTROPHOTOMETRY	Negative					
SUGAR	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
рН		6.5		5.0 - 7.5			
by DIP STICK/REFLECT BILIRUBIN	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY	0					
NITRITE by DIP STICK/REFLECT	ANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)			
UROBILINOGEN	ANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0			
KETONE BODIES	ANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
BLOOD		Negative		NEGATIVE (-ve)			
ASCORBIC ACID	ANCE SPECTROPHOTOMETRY ANCE SPECTROPHOTOMETRY MINATION	NEGATIVE (-ve)		NEGATIVE (-ve)			
RED BLOOD CELLS		NEGATIVE (-ve)	/HPF	0 - 3			



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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

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Test Name		Value	Unit	Biological Reference interval
	CENTRIFUGED URINARY SEDIMENT			
PUSCEUS		3-4	/HPF	0 - 5

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 5
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 ***





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