



	<b>Dr. Vinay Chopra</b> MD (Pathology & Micr Chairman & Consultan	obiology)	Dr. Yugam ( MD (F CEO & Consultant P	Pathology)
AME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO.	: Miss. ANSHITA : 14 YRS/FEMALE : : : 01521505	RI RI	ATIENT ID EG. NO./LAB NO. EGISTRATION DATE DLLECTION DATE	: 1424481 <b>: 012411270003</b> : 27/Nov/2024 07:48 AM : 27/Nov/2024 07:50AM
LIENT CODE. LIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB/		EPORTING DATE	: 27/Nov/2024 08:44AM
Fest Name		Value	Unit	<b>Biological Reference interval</b>
	COMP (RBCS) COUNT AND INDICES	LETE BLOO	LNESS PANEL: G D COUNT (CBC)	
IAEMOGLOBIN (H)	B)	11.9 <sup>L</sup>	gm/dL	12.0 - 16.0
ED BLOOD CELL (	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	5.14 <sup>H</sup>	Millions/c	mm 3.50 - 5.00
ACKED CELL VOLU		38.5	%	35.0 - 49.0
AEAN CORPUSCUL	AR VOLUME (MCV)	74.9 <sup>L</sup>	fL	80.0 - 100.0
AEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	22.9 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCUL	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	30.6 <sup>L</sup>	g/dL	32.0 - 36.0
RED CELL DISTRIB	UTION WIDTH (RDW-CV)	15	%	11.00 - 16.00
RED CELL DISTRIB	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	42	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		14.57	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND		21.62	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
<b>NHITE BLOOD CEI</b> TOTAL LEUCOCYTE		8530	/cmm	4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY LOOD CELLS (nRBCS)	NIL		0.00 - 20.00
by AUTOMATED 6 PAR	RT HEMATOLOGY ANALYZER LOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %





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

NAME	: Miss. ANSHITA		
AGE/ GENDER	: 14 YRS/FEMALE	PATIENT ID	: 1424481
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Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	60	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES	31	%	20 - 40
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES	6	%	2 - 12
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT	5118	/cmm	2000 - 7500
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT	2644	/cmm	800 - 4900
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2044	/ CIIIIII	800 - 4900
ABSOLUTE EOSINOPHIL COUNT	256	/cmm	40 - 440
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT	512	/cmm	80 - 880
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY			
	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	482000 <sup>H</sup>	/cmm	150000 - 450000
PLATELETCRIT (PCT)	0.54 <sup>H</sup>	%	0.10 - 0.36
-	11	τı	6.50 12.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	11	IL	0.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC)	151000 <sup>H</sup>	/cmm	30000 - 90000
•	297	%	11.0 - 45.0
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
	15.7	%	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY <b>PLATELETS AND OTHER PLATELET PREDICTIVE</b> PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	<b>482000<sup>H</sup></b> <b>0.54<sup>H</sup></b> 11 <b>151000<sup>H</sup></b> 29.7	% fL /cmm %	0.10 - 0.36 6.50 - 12.0 30000 - 90000 11.0 - 45.0



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Test Name	Valu	ue Unit	Biological Reference interval

RECHECKED.



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			KIING DATE	. 27/ NOV/ 2024 03.10PM
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Test Name		Value	Unit	Biological Reference interval
WHOLE BLOOD	EMOGLOBIN (HbA1c):	7.2 <sup>H</sup>	%	4.0 - 6.4
by HPLC (HIGH PERFOR	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	159.94 <sup>H</sup>	mg/dL	60.00 - 140.00
INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY)			
		I DIABETES ASSOCIATION	· /	
	REFERENCE GROUP	GLYCOSY	LATED HEMOGLOGIB	(HBAIC) IN %
	abetic Adults >= 18 years t Risk (Prediabetes)	/	<5.7 5.7 – 6.4	
	iagnosing Diabetes		>= 6.5	
b			Age > 19 Years	
		Goals of The		< 7.0
Therapeut	ic goals for glycemic control	Actions Sugge		>8.0
			Age < 19 Years	
		Goal of the		<7.5

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2. Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropiate.

4. High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia faisely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.



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Cest Name		Value	Unit	<b>Biological Reference interval</b>
nmune disease, but . An ESR can be affe s C-reactive protein . This test may also ystemic lupus eryth ONDITION WITH LO	does not tell the health practitioner acted by other conditions besides inf be used to monitor disease activity ematosus W ESR In with conditions that inhibit the no	r exactly where the lammation. For thi and response to th	e inflammation is in the s reason, the ESR is ty herapy in both of the a	picallý used in conjunction with other test suc bove diseases as well as some others, such as





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Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLIN	NICAL CHEMISTR	Y/BIOCHEMIST	'RY
		GLUCOSE FA	STING (F)	
			mg/dL	

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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.





		Chopra y & Microbiology) Consultant Pathologist		(Pathology)
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Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		252.57 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	73.93	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBITI		90.19 <sup>H</sup>	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL by CALCULATED, SPE		147.59 <sup>H</sup>	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		162.38 <sup>H</sup>	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 CHOLESTERC		14.79	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	UM	579.07	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	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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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.64	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		0.82 <sup>L</sup>	RATIO	3.00 - 5.00

### **INTERPRETATION:**

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for

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

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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Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER	FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SP	SERUM PECTROPHOTOMETRY	0.45	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.11	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.34	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	19.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	12.9	U/L	0.00 - 49.00
AST/ALT RATIO: SI by CALCULATED, SPE		1.52	RATIO	0.00 - 46.00
ALKALINE PHOSPH by PARA NITROPHEN PROPANOL	IATASE: SERUM yl phosphatase by amino methyl	97.14	U/L	50.00 - 370.00
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	14.74	U/L	0.00 - 55.0

by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 7.77 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 4.32 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 3.45 gm/dL 2.30 - 3.50 by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.25 RATIO 1.00 - 2.00 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:**

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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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



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Test Name		Value	Unit	<b>Biological Reference interval</b>
	KIDNI	EY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		22.5	mg/dL	10.00 - 50.00
by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)		Ũ	
CREATININE: SERU		0.94	mg/dL	0.40 - 1.20
	ROGEN (BUN): SERUM	10.51	mg/dL	7.0 - 25.0
by CALCULATED, SPE		11.10		10.0 00.0
RATIO: SERUM	ROGEN (BUN)/CREATININE	11.18	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		23.94	RATIO	
URIC ACID: SERUM	[	2.63	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE	10.01		0.50, 10.00
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	10.01	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE	ERUM	3.65	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		142.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	(E ELECTRODE)	1 12.0		100.0 100.0
POTASSIUM: SERUE by ISE (ION SELECTIV		4.4	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		106.95	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	,			
	IERULAR FILTERATION RATE ERULAR FILTERATION RATE	92.5		

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.

3. GI haemorrhage.



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









		<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist			
NAME	: Miss. ANSHI	ГА					
AGE/ GENDER	: 14 YRS/FEM	ALE	PAT	TENT ID	: 1424481		
COLLECTED BY			RFO	. NO./LAB NO.	: 0124112	70003	
REFERRED BY				ISTRATION DATE		024 07:48 AM	
BARCODE NO.	:01521505			LECTION DATE		024 07:50AM	
CLIENT CODE.	: KOS DIAGNO	STIC LAB	REF	ORTING DATE	: 27/Nov/20	024 11:21AM	
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMBA	LA CANTT				
Test Name			Value	Unit	Bie	ological Referen	ce interval
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	ass (subnormal tetracycline, glu <b>0:1) WITH ELEV</b> I (BUN rises disp superimposed c	creatinine production) cocorticoids) <b>TED CREATININE LEVEI</b> roportionately more th n renal disease.		e.g. obstructive uro	pathy).		
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in	ass (subnormal tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea syn urea rather than monemias (urea of inappropiate a sis (accelerates of eleases muscle of who develop ref sis (acetoacetat creased BUN/cro apy (interferes v plar FILTERATIO	creatinine production) cocorticoids) <b>TED CREATININE LEVEI</b> roportionately more the n renal disease. <b>EASED BUN :</b> the creatinine diffuses ou is virtually absent in the ntidiuretic harmone) of <b>CASED CREATININE:</b> conversion of creatine creatinine). hal failure. e causes false increase extinine ratio). vith creatinine measur	an creatinine) ( ut of extracellul blood). ue to tubular so to creatinine). in creatinine w ement).	ar fluid). ecretion of urea. ith certain methodo in/1.73m2)		INGS a ein ,	en dehydrat
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1 G2 G3a	ass (subnormal tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. e. creased urea syl urea rather that monemias (urea of inappropiate a finappropiate a finappropiate a finappropiate a sis (acetoacetat creased BUN/creased apy (interferes v <u>LAR FILTERATIO</u> Nor Ki Nor	creatinine production) cocorticoids) TED CREATININE LEVEL roportionately more the n renal disease. EASED BUN : The creatinine diffuses ou is virtually absent in the ntidiuretic harmone) of CASED CREATININE: conversion of creatine creatinine). that failure. CASED CREATININE: conversion of creatine creatinine ratio). with creatinine measure NATE: DESCRIPTION mal kidney function dney damage with tormal or high GFR	an creatinine) ( ut of extracellul blood). lue to tubular so to creatinine). in creatinine w ement).	ar fluid). ecretion of urea. ith certain methodo in/1.73m2)	ologies,resulting i ASSOCIATED FIND No proteinuri Presence of Prote	INGS a ein ,	en dehydrat
8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERI CKD STAGE G1 G2	ass (subnormal tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. e. creased urea syn urea rather than monemias (urea of inappropiate a finappropiate a fin	creatinine production) cocorticoids) TED CREATININE LEVEL roportionately more the n renal disease. EASED BUN : The creatinine diffuses ou is virtually absent in the ntidiuretic harmone) of CASED CREATININE: conversion of creatine creatinine). that failure. the causes false increase extinine ratio). vith creatinine measur NATE: DESCRIPTION mal kidney function dney damage with pormal or high GFR	an creatinine) ( ut of extracellul plood). (ue to tubular so to creatinine). in creatinine w ement). GFR (mL/m > 60 30	ar fluid). ecretion of urea. ith certain methodo in/1.73m2 )	ologies,resulting i ASSOCIATED FIND No proteinuri Presence of Prote	INGS a ein ,	ien dehydrat





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

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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbi Chairman & Consultant P	ology) MD	n <b>Chopra</b> 9 (Pathology) t Pathologist
NAME	: Miss. ANSHITA		
AGE/ GENDER	: 14 YRS/FEMALE	PATIENT ID	: 1424481
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012411270003
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 27/Nov/2024 07:48 AM
BARCODE NO.	: 01521505	COLLECTION DATE	: 27/Nov/2024 07:50AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Nov/2024 11:21AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	A CANTT	
Test Name	Va	alue 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

End Of Report \*\*\*





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

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