



<b>Dr. Vinay Chop</b> MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam MD (I CEO & Consultant F	Pathology)
NAME : Miss. BHAWANA			
AGE/ GENDER : 15 YRS/FEMALE	P	ATIENT ID	: 1547433
COLLECTED BY :	R	EG. NO./LAB NO.	: 012407130002
REFERRED BY :	R	EGISTRATION DATE	: 13/Jul/2024 06:45 AM
<b>BARCODE NO.</b> : 01513014	C	OLLECTION DATE	: 13/Jul/2024 06:47AM
<b>CLIENT CODE.</b> : KOS DIAGNOSTIC LAB		EPORTING DATE	: 13/Jul/2024 08:41AM
<b>CLIENT ADDRESS</b> : 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name	Value	Unit	Biological Reference interval
swas	THYA WELL	NESS PANEL: 1.0	
		DD COUNT (CBC)	
RED BLOOD CELLS (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)	9.7 <sup>L</sup>	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC) COUNT	2.26 <sup>L</sup>	Millions/cr	nm 3.50 - 5.00
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLUME (PCV) by calculated by automated hematology analyzer	28.6 <sup>L</sup>	%	35.0 - 49.0
MEAN CORPUSCULAR VOLUME (MCV) by calculated by automated hematology analyzer	126.2 <sup>H</sup>	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH)	42.6 <sup>H</sup>	pg	27.0 - 34.0
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC)	33.8	g/dL	32.0 - 36.0
	15 7	0/	11.00 1/ 00
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	15.7	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	73.5 <sup>H</sup>	fL	35.0 - 56.0
MENTZERS INDEX	55.84	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED GREEN & KING INDEX	87.02	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT: < =
by CALCULATED	07.02	KATIO	65.0
			IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)			
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4220	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER & MICROSCOPY			
NUCLEATED RED BLOOD CELLS (nRBCS) %	NIL	%	< 10 %
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER & MICROSCOPY			
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			



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

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Test Name		Value	Unit	Biological Reference interv	ral
NEUTROPHILS		46 <sup>L</sup>	%	50 - 70	
by FLOW CYTOMETR LYMPHOCYTES	Y BY SF CUBE & MICROSCOPY		0/	20 10	
	Y BY SF CUBE & MICROSCOPY	47 <sup>H</sup>	%	20 - 40	
EOSINOPHILS		2	%	1 - 6	
	Y BY SF CUBE & MICROSCOPY				
MONOCYTES		5	%	2 - 12	
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1	
	Y BY SF CUBE & MICROSCOPY	0	70	0-1	
ABSOLUTE LEUKOCY					
ABSOLUTE NEUTRO	PHIL COUNT	1941 <sup>L</sup>	/cmm	2000 - 7500	
	Y BY SF CUBE & MICROSCOPY				
ABSOLUTE LYMPHO		1983	/cmm	800 - 4900	
ABSOLUTE EOSINOP	Y BY SF CUBE & MICROSCOPY	84	/cmm	40 - 440	
	Y BY SF CUBE & MICROSCOPY	04	7 CITIIII	40 - 440	
ABSOLUTE MONOCY	TE COUNT	211	/cmm	80 - 880	
	Y BY SF CUBE & MICROSCOPY				
ABSOLUTE BASOPHI		0	/cmm	0 - 110	
	Y BY SF CUBE & MICROSCOPY HER PLATELET PREDICTIVE MARKEI	RS			
PLATELET COUNT (P		203000	/cmm	150000 - 450000	
•	ET) FOCUSING, ELECTRICAL IMPEDENCE	203000	////////	130000 - 430000	
PLATELETCRIT (PCT)		0.26	%	0.10 - 0.36	
by HYDRO DYNAMIC F	FOCUSING, ELECTRICAL IMPEDENCE				
MEAN PLATELET VO		13 <sup>H</sup>	fL	6.50 - 12.0	
PLATELET LARGE CEI	FOCUSING, ELECTRICAL IMPEDENCE	94000 <sup>H</sup>	/cmm	30000 - 90000	
by HYDRO DYNAMIC	FOCUSING, ELECTRICAL IMPEDENCE				
PLATELET LARGE CE		46.4 <sup>H</sup>	%	11.0 - 45.0	
by HYDRO DYNAMIC PLATELET DISTRIBU	FOCUSING, ELECTRICAL IMPEDENCE	16.9	%	15.0 - 17.0	
	FOCUSING, ELECTRICAL IMPEDENCE	10.7	70	13.0 17.0	

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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	Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology) M	I <b>m Chopra</b> D (Pathology) Int Pathologist
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 13/Jul/2024 09:28AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION RATE (E	SR)
	MENTATION RATE (ESR) RGREN AUTOMATED METHOD	42 <sup>H</sup> mm/1s	t hr 0 - 20
1. ESR is a non-specifi immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth <b>CONDITION WITH LO</b> A low ESR can be see	does not tell the health practition acted by other conditions besides be used to monitor disease activi ematosus <b>W ESR</b> In with conditions that inhibit the	ner exactly where the inflammation is in t inflammation. For this reason, the ESR is ty and response to therapy in both of the normal sedimentation of red blood cells.	typicallý used in conjunction with other test sucl above diseases as well as some others, such as

## NOTE:

1. ESR and C - reactive protein (C-RP) are both markers of inflammation. 2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

 3. CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while environment of a structure of the start of aspirin, cortisone, and quinine may decrease it





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Test Name		Value	Unit	Biological Reference interval
	CLIN		RY/BIOCHEMISTR	Y
		GLUCOSE	FASTING (F)	
	F): PLASMA Se - peroxidase (god-pod)	82.4	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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 test (after consumption of 75 gms of glucose) is recommended for all such patients.
 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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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILI	E : BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OXI		104.88	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239. HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERU by GLYCEROL PHOSPH	JM HATE OXIDASE (ENZYMATIC)	82.83	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (E		39.42	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: SI by CALCULATED, SPEC		48.89	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159. HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		65.46	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189. HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL:		16.57	mg/dL	0.00 - 45.00
by CALCULATED, SPEC TOTAL LIPIDS: SERUN by CALCULATED, SPEC	Л	292.59 <sup>L</sup>	mg/dL	350.00 - 700.00
by CALCULATED, SPEC	ATIO: SERUM	2.66	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: SERU		1.24	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		2.1 <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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Miss. BHAWANA AGE/ GENDER : 15 YRS/FEMALE **PATIENT ID** :1547433 **COLLECTED BY** :012407130002 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 13/Jul/2024 06:45 AM : **BARCODE NO.** :01513014 **COLLECTION DATE** : 13/Jul/2024 06:47AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 13/Jul/2024 09:26AM : 6349/1, NICHOLSON ROAD, AMBALA CANTT **CLIENT ADDRESS** Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 1.66<sup>H</sup> mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20

by Diazonization, of Eontor Horometric			ADULI: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.64 <sup>H</sup>	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	1.02 <sup>H</sup>	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	27.48	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	16.7	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.65	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by para nitrophenyl phosphatase by amino methyl propanol	101	U/L	0.0 - 500.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry	13.2	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by biuret, spectrophotometry	7.34	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by bromocresol green	4.96	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.38	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by calculated, spectrophotometry	2.08 <sup>H</sup>	RATIO	1.00 - 2.00

**INTERPRETATION** 

**NOTE:** • To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE: • Differential diagnosis of diseases of hepatobiliary system and pancreas.

## **INCREASED:**

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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Test Name	Va	lue Unit	Biological Reference interval

## 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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Test Name		Value	Unit	Biological Reference interval
	к	DNEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		25.21	mg/dL	10.00 - 50.00
•	NATE DEHYDROGENASE (GLDH)			
CREATININE: SERUM		0.52	mg/dL	0.40 - 1.20
•	by enzymatic, spectrophotometery BLOOD UREA NITROGEN (BUN): SERUM		mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTOMETRY		11.78	<i>g</i> , «=	110 2010
BLOOD UREA NITROGEN (BUN)/CREATININE		22.65 <sup>H</sup>	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININE I		48.48	RATIO	
-	ECTROPHOTOMETRY			
URIC ACID: SERUM		4.2	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM	SE PEROXIDASE	9.28	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	ECTROPHOTOMETRY	7.20	ing/ dE	0.00 10.00
PHOSPHOROUS: SEF		4.63	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIN		138.5	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.13	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	/E ELECTRODE)			
CHLORIDE: SERUM		103.88	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN FSTIMATED GLOME	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	140.6		
(eGFR): SERUM		140.0		
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 Un	it Biological	Reference interval
ممامين محمد ما ملامه مس				
5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO: 1. Diabetic ketoacidos should produce an inc 2. Cephalosporin thera ESTIMATED GLOMERU CKD STAGE G1	Creased urea synthesis.     Greased urea synthesis.     urea rather than creatinine diffuse     nonemias (urea is virtually absented in appropriate antidiuretic harmone)     or (accelerates conversion of crease)     eleases muscle creatinine).     who develop renal failure.     sis (acetoacetate causes false increased BUN/creatinine ratio).     apy (interferes with creatinine me     LAR FILTERATION RATE:     DESCRIPTION     Normal kidney function	t in blood). ne) due to tubular secretion of urea :: itine to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) on >90	hodologies,resulting in norma ASSOCIATED FINDINGS No proteinuria	al ratio when dehydrati
<ol> <li>Severe liver disease</li> <li>Other causes of dec</li> <li>Repeated dialysis (i</li> <li>Inherited hyperami</li> <li>SIADH (syndrome o</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;1</li> <li>Phenacimide therag</li> <li>Rhabdomyolysis (re</li> <li>Muscular patients o</li> <li>INAPPROPIATE RATIO</li> <li>Diabetic ketoacidos</li> <li>should produce an inc</li> <li>Cephalosporin therag</li> <li>ESTIMATED GLOMERU</li> <li>CKD STAGE</li> </ol>	Creased urea synthesis.     Greased urea synthesis.     urea rather than creatinine diffuse     nonemias (urea is virtually absented in appropriate antidiuretic harmone)     or (accelerates conversion of create eleases muscle creatinine).     who develop renal failure.     Sis (acetoacetate causes false increased BUN/creatinine ratio).     apy (interferes with creatinine me     LAR FILTERATION RATE:     DESCRIPTION     Normal kidney function     Kidney damage with	t in blood). ne) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) on >90 N >90	hodologies,resulting in norma <b>ASSOCIATED FINDINGS</b> No proteinuria Presence of Protein ,	al ratio when dehydratio
<ol> <li>Severe liver disease</li> <li>Other causes of dec</li> <li>Repeated dialysis (i</li> <li>Inherited hyperami</li> <li>SIADH (syndrome o</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;1</li> <li>Phenacimide therag</li> <li>Rhabdomyolysis (re</li> <li>Muscular patients v</li> <li>INAPPROPIATE RATIO:</li> <li>Diabetic ketoacidos</li> <li>should produce an inc</li> <li>Cephalosporin therag</li> <li>ESTIMATED GLOMERU</li> <li>CKD STAGE</li> <li>G1</li> <li>G2</li> </ol>	Creased urea synthesis.     Greased urea synthesis.     urea rather than creatinine diffuse     nonemias (urea is virtually absented in appropriate antidiuretic harmone)     or (accelerates conversion of crease)     eleases muscle creatinine).     who develop renal failure.     sis (acetoacetate causes false increased BUN/creatinine ratio).     apy (interferes with creatinine me     LAR FILTERATION RATE:     DESCRIPTION     Normal kidney function	t in blood). ne) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) on >90 N >90	hodologies,resulting in norma ASSOCIATED FINDINGS No proteinuria	al ratio when dehydratio
<ol> <li>Severe liver disease</li> <li>Other causes of dec</li> <li>Repeated dialysis (i</li> <li>Inherited hyperami</li> <li>SIADH (syndrome o</li> <li>Pregnancy.</li> <li>DECREASED RATIO (&lt;1</li> <li>Phenacimide therag</li> <li>Rhabdomyolysis (re</li> <li>Muscular patients on the synthesis of the synthesynthesis of the</li></ol>	Creased urea synthesis.     Greased urea synthesis.     urea rather than creatinine diffuse     nonemias (urea is virtually absented in appropriate antidiuretic harmone)     or (accelerates conversion of create eleases muscle creatinine).     who develop renal failure.     Sis (acetoacetate causes false increased BUN/creatinine ratio).     apy (interferes with creatinine me     LAR FILTERATION RATE:	t in blood). ne) due to tubular secretion of urea time to creatinine). rease in creatinine with certain met easurement). GFR (mL/min/1.73m2) pn >90 n >90 n >90 n 60 -89	hodologies,resulting in norma <b>ASSOCIATED FINDINGS</b> No proteinuria Presence of Protein ,	al ratio when dehydratio

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

Kidney failure

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

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	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant I	piology) ME	n <b>Chopra</b> D (Pathology) at Pathologist
NAME	: Miss. BHAWANA		
AGE/ GENDER	: 15 YRS/FEMALE	PATIENT ID	: 1547433
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012407130002
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 13/Jul/2024 06:45 AM
BARCODE NO.	:01513014	<b>COLLECTION DATE</b>	: 13/Jul/2024 06:47AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 13/Jul/2024 09:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	V	/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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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	Dr. Vinay Chc MD (Pathology & I Chairman & Const	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE RO	UTINE & MICRO	SCOPIC EXAMINAT	ION
PHYSICAL EXAMINAT				
QUANTITY RECIEVED		10	ml	
	, TANCE SPECTROPHOTOMETRY	10		
COLOUR		PALE YELLOW		PALE YELLOW
by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
	TANCE SPECTROPHOTOMETRY	ULLAR		GLAN
SPECIFIC GRAVITY		1.02		1.002 - 1.030
	TANCE SPECTROPHOTOMETRY			
CHEMICAL EXAMINA	TION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH	TANCE SPECTROPHOTOMETRY	6		5.0 - 7.5
	TANCE SPECTROPHOTOMETRY			
BILIRUBIN		Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY.	Negative		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLECT	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	Negative		
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECT ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY	NEOATIVE (-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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Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELLS (F	RBCs)	Value NEGATIVE (-ve)	Unit /HPF	<b>Biological Reference interval</b> 0 - 3
PUS CELLS				•
RED BLOOD CELLS (F by MICROSCOPY ON ( PUS CELLS by MICROSCOPY ON ( EPITHELIAL CELLS	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA)

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

\*\*\* End Of Report \*\*\*

NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT





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

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NEGATIVE (-ve)

NEGATIVE (-ve)

NEGATIVE (-ve)

ABSENT