



CON	Value FHYA WE	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE Unit	: 1579121 <b>: 012408130042</b> : 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 01:12PM Biological Reference interva	1
NOSTIC LAB NICHOLSON ROAD, AMB, SWAST CON	Value FHYA WE	REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE Unit	: 012408130042 : 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 01:12PM	
NOSTIC LAB NICHOLSON ROAD, AMB SWAST CON	Value FHYA WE	REGISTRATION DATE COLLECTION DATE REPORTING DATE Unit	: 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 01:12PM	1
NOSTIC LAB NICHOLSON ROAD, AMB SWAST CON	Value FHYA WE	COLLECTION DATE REPORTING DATE Unit	: 13/Aug/2024 12:33PM : 13/Aug/2024 01:12PM	I
NOSTIC LAB NICHOLSON ROAD, AMB SWAST CON	Value FHYA WE	REPORTING DATE	: 13/Aug/2024 01:12PM	1
NICHOLSON ROAD, AMB. SWAST CON	Value FHYA WE	Unit		1
SWAST	Value FHYA WE		Biological Reference interva	1
CON	THYA WE		Biological Reference interva	1 <b>I</b>
CON		LLNESS PANEL: 1.0		
			0	
	1PI FTF BI (	DOD COUNT (CBC)		
	11.8 <sup>L</sup>	gm/dL	12.0 - 16.0	
	3.8	Millions	s/cmm 3.50 - 5.00	
CTRICAL IMPEDENCE				
EMATOLOGY ANALYZER	37	%	37.0 - 50.0	
VICV)	97.5	fL	80.0 - 100.0	
<i>ematology analyzer</i> OBIN (MCH)	31.1	pg	27.0 - 34.0	
EMATOLOGY ANALYZER			22.0.26.0	
EMATOLOGY ANALYZER				
(RDW-CV)	13	%	11.00 - 16.00	
(RDW-SD)	47.4	fL	35.0 - 56.0	
EMATOLOGY ANALYZER		DATIO		. 12 0
	23.00	RATIO	IRON DEFICIENCY ANEMIA: >	
	33.41	RATIO	BETA THALASSEMIA TRAIT: <	
			65.0	
			IKUN DEFICIENCY ANEMIA: >	> 05.(
	6610	/cmm	4000 - 11000	
MICROSCOPY				
RBCS) EMATOLOGY ANALYZER &	NIL		0.00 - 20.00	
RBCS) % Ematology analyzer &	NIL	%	< 10 %	
	EMATOLOGY ANALYZER MCV) EMATOLOGY ANALYZER OBIN (MCH) EMATOLOGY ANALYZER BIN CONC. (MCHC) EMATOLOGY ANALYZER (RDW-CV) EMATOLOGY ANALYZER (RDW-SD) EMATOLOGY ANALYZER & MICROSCOPY RBCS) EMATOLOGY ANALYZER & RBCS) %	11.8L3.8SCTRICAL IMPEDENCE37EMATOLOGY ANALYZERMCV)97.5EMATOLOGY ANALYZEROBIN (MCH)31.1EMATOLOGY ANALYZERBIN CONC. (MCHC)EMATOLOGY ANALYZER(RDW-CV)13EMATOLOGY ANALYZER(RDW-SD)EMATOLOGY ANALYZER(RDW-SD)EMATOLOGY ANALYZER(RDW-SD)EMATOLOGY ANALYZER(RDW-SD)EMATOLOGY ANALYZER6610A MICROSCOPYRBCS)EMATOLOGY ANALYZER &RBCS) %NIL	11.8Lgm/dL3.8Millions3.8MillionsST37ST37ST97.5STFLMCV)97.5STFLOBIN (MCH)31.1PG97.5STGLST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5STSTST97.5ST </td <td>11.8<sup>L</sup>         gm/dL         12.0 - 16.0           3.8         Millions/cmm         3.50 - 5.00           37         %         37.0 - 50.0           MATOLOGY ANALYZER VCV)         97.5         fL         80.0 - 100.0           EMATOLOGY ANALYZER VCV)         97.5         fL         80.0 - 100.0           EMATOLOGY ANALYZER OBIN (MCH) EMATOLOGY ANALYZER (RDW-CV)         31.1         pg         27.0 - 34.0           EMATOLOGY ANALYZER (RDW-CV)         13         %         11.00 - 16.00           EMATOLOGY ANALYZER (RDW-SD)         47.4         fL         35.0 - 56.0           EMATOLOGY ANALYZER (RDW-SD)         47.4         fL         35.0 - 56.0           EMATOLOGY ANALYZER (RDW-SD)         47.4         RATIO         BETA THALASSEMIA TRAIT: : (RON DEFICIENCY ANEMIA: 33.41         RATIO         BETA THALASSEMIA TRAIT: : (RON DEFICIENCY ANEMIA: 55.0 (RON DEFICIENCY ANEMIA: 55.0 (RON DEFICIENCY ANEMIA: 55.0         56.0           A MICROSCOPY (RBCS)         NIL         /cmm         4000 - 11000           A MICROSCOPY (RBCS)         NIL         %         &lt;10 %</td>	11.8 <sup>L</sup> gm/dL         12.0 - 16.0           3.8         Millions/cmm         3.50 - 5.00           37         %         37.0 - 50.0           MATOLOGY ANALYZER VCV)         97.5         fL         80.0 - 100.0           EMATOLOGY ANALYZER VCV)         97.5         fL         80.0 - 100.0           EMATOLOGY ANALYZER OBIN (MCH) EMATOLOGY ANALYZER (RDW-CV)         31.1         pg         27.0 - 34.0           EMATOLOGY ANALYZER (RDW-CV)         13         %         11.00 - 16.00           EMATOLOGY ANALYZER (RDW-SD)         47.4         fL         35.0 - 56.0           EMATOLOGY ANALYZER (RDW-SD)         47.4         fL         35.0 - 56.0           EMATOLOGY ANALYZER (RDW-SD)         47.4         RATIO         BETA THALASSEMIA TRAIT: : (RON DEFICIENCY ANEMIA: 33.41         RATIO         BETA THALASSEMIA TRAIT: : (RON DEFICIENCY ANEMIA: 55.0 (RON DEFICIENCY ANEMIA: 55.0 (RON DEFICIENCY ANEMIA: 55.0         56.0           A MICROSCOPY (RBCS)         NIL         /cmm         4000 - 11000           A MICROSCOPY (RBCS)         NIL         %         <10 %



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

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





NAME

AGE/ GENDER

**COLLECTED BY** 

**REFERRED BY** 

**BARCODE NO.** 

**CLIENT CODE.** 

**CLIENT ADDRESS** 



Dr. Yugam Chopra

MD (Pathology)

:1579121

:012408130042

:13/Aug/2024 11:54 AM

:13/Aug/2024 12:33PM

:13/Aug/202401:12PM

Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEO & Consultant Pathologist : Mrs. SHASHI BANSAL **PATIENT ID** : 69 YRS/FEMALE REG. NO./LAB NO. : **REGISTRATION DATE** : **COLLECTION DATE** :01515011 : KOS DIAGNOSTIC LAB **REPORTING DATE** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
NEUTROPHILS	54	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	39	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT	0	%	0 - 1
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3569	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2578	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	132	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKE	330 RS.	/cmm	80 - 880
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	200000	/cmm	150000 - 450000
LATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.23	%	0.10 - 0.36
NEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	71000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	35.6	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.6	%	15.0 - 17.0





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	MD	Vinay Chopra (Pathology & Microb rman & Consultant F		Dr. Yugam MD CEO & Consultant	(Pathology)
JAME	: Mrs. SHASHI BA	NSAL			
GE/ GENDER	: 69 YRS/FEMALE		P	ATIENT ID	: 1579121
COLLECTED BY	:		R	EG. NO./LAB NO.	: 012408130042
REFERRED BY	:		R	EGISTRATION DATE	: 13/Aug/2024 11:54 AM
BARCODE NO.	:01515011		C	OLLECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIO	C LAB	R	EPORTING DATE	: 13/Aug/2024 01:47PM
CLIENT ADDRESS	: 6349/1, NICHOL	SON ROAD, AMBAL	A CANTT		
Test Name		V	alue	Unit	Biological Reference interval
		ERYTHROCY	TE SEDIM	ENTATION RATE (ESI	R)
	MENTATION RATE (E	•	i	mm/1st h	r 0-20
	W ESR				bove diseases as well as some others, such as
A low ESR can be see polycythaemia), sigr is sickle cells in sickl <b>JOTE:</b> . ESR and C - reactiv 2. Generally, ESR doe 8. <b>CRP is not affected</b> 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dext	en with conditions than hificantly high white le cell anaemia) also re protein (C-RP) are t es not change as rapid <b>I by as many other fac</b> ed, it is typically a re have a higher ESR, and	blood cell count (let lower the ESR. both markers of infla dly as does CRP, eith ctors as is ESR, makin sult of two types of menstruation and p al contraceptives, p	acocytosis), ammation. her at the st ng it a bette proteins, gl regnancy ca	, and some protein abno art of inflammation or as <b>r marker of inflammation</b> obulins or fibrinogen. In cause temporary eleva	uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves.



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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

MD (Pathology)

Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SHASHI BANSAL AGE/ GENDER : 69 YRS/FEMALE **PATIENT ID** :1579121 **COLLECTED BY REG. NO./LAB NO.** :012408130042 **REFERRED BY REGISTRATION DATE** :13/Aug/2024 11:54 AM : **BARCODE NO. COLLECTION DATE** :01515011 :13/Aug/2024 12:33PM **CLIENT CODE.** : KOS DIAGNOSTIC LAB **REPORTING DATE** : 13/Aug/2024 05:39PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT

Dr. Vinay Chopra

MD (Pathology & Microbiology)

# PERIPHERAL BLOOD SMEAR

# **TEST NAME:**

# PERIPHERAL BLOOD FILM/SMEAR (PBF)

# RED BLOOD CELLS (RBC'S):

RBCs mostly appear normocytic & normochromic.No polychromatic cells or normoblasts noted.

# WHITE BLOOD CELLS (WBC'S):

No immature leucocytes seen.

#### PLATELETS:

Platelets are adequate

# **HEMOPARASITES**:

NOT SEEN.

# **IMPRESSION:**

Normocytic normochromic picture.





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Page 4 of 15





		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHASHI BANSAL			
AGE/ GENDER	: 69 YRS/FEMALE	PA	ATIENT ID	: 1579121
COLLECTED BY	:	RF	EG. NO./LAB NO.	: 012408130042
REFERRED BY	:	RF	EGISTRATION DATE	: 13/Aug/2024 11:54 AM
BARCODE NO.	: 01515011	CO	DLLECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RF	EPORTING DATE	: 13/Aug/2024 01:57PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMIST	RY/BIOCHEMISTR	Y
	•=			
		GLUCOSE FA	ASTING (F)	

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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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. SHASHI BANSAL : 69 YRS/FEMALE : : : 01515011 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROA	RE RE CO RE	TIENT ID G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE	: 1579121 <b>: 012408130042</b> : 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 02:04PM
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OXI		175.34	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SER by GLYCEROL PHOSP	UM HATE OXIDASE (ENZYMATIC)	174.25 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (I		36.28	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		104.21	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 CHOLESTEI by CALCULATED, SPE		139.06 <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 CHOLESTEROL: by CALCULATED, SPEC		34.85	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN by CALCULATED, SPEC	Л	524.93	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL F by CALCULATED, SPE	RATIO: SERUM	4.83 <sup>H</sup>	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: SERI		2.87	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHASHI BANSAL			
AGE/ GENDER	: 69 YRS/FEMALE	PATI	ENT ID	: 1579121
COLLECTED BY	:	REG. 1	NO./LAB NO.	: 012408130042
REFERRED BY	:	REGIS	STRATION DATE	: 13/Aug/2024 11:54 AM
BARCODE NO.	:01515011	COLL	ECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 13/Aug/2024 02:04PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDL by CALCULATED, SPE		4.8	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 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 Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHASHI BANSAL			
AGE/ GENDER	: 69 YRS/FEMALE	F	PATIENT ID	: 1579121
<b>COLLECTED BY</b>	:	F	REG. NO./LAB NO.	: 012408130042
<b>REFERRED BY</b>	:	F	REGISTRATION DATE	: 13/Aug/2024 11:54 AM
BARCODE NO.	:01515011		COLLECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 13/Aug/2024 02:04PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			. 10/11dg/ 202 102.011 M
Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.46	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (	CONJUGATED): SERUM	0.14	mg/dL	0.00 - 0.40
	(UNCONJUGATED): SERUM	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	19.3	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	18.3	U/L	0.00 - 49.00
AST/ALT RATIO: SER		1.05	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		103.2	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by szasz, spectrophtometry		19.88	U/L	0.00 - 55.0
TOTAL PROTEINS: SI		6.74	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.11	gm/dL	3.50 - 5.50
GLOBULIN: SERUM	ECTROPHOTOMETRY	2.63	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.56	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



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	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Mrs. SHASHI BANSAL				
AGE/ GENDER	: 69 YRS/FEMALE	PAT	TIENT ID	: 1579121	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Refere	nce interval
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).

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

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Dr. Vinay Ch MD (Pathology & Chairman & Cor				(Pathology)
NAME	: Mrs. SHASHI BANSAL			
AGE/ GENDER	: 69 YRS/FEMALE		PATIENT ID	: 1579121
COLLECTED BY	:		REG. NO./LAB NO.	: 012408130042
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 13/Aug/2024 11:54 AM
BARCODE NO.	:01515011		COLLECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 13/Aug/2024 02:04PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANT	r	
Test Name		Value	Unit	Biological Reference interval
	KID		ON TEST (COMPLETE)	
UREA: SERUM		41.72	mg/dL	10.00 - 50.00
	IATE DEHYDROGENASE (GLDH)			
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		1.05	mg/dL	0.40 - 1.20
-	GEN (BUN): SERUM	19.5	mg/dL	7.0 - 25.0
by CALCULATED, SPECTROPHOTOMETRY				
BLOOD UREA NITRC RATIO: SERUM	OGEN (BUN)/CREATININE	18.57	RATIO	10.0 - 20.0
by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININE F		39.73	RATIO	
by CALCULATED, SPE URIC ACID: SERUM	ECTROPHOTOMETRY	6.09	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE	0.09	Thy/uL	2.30 - 0.60
CALCIUM: SERUM		9.83	mg/dL	8.50 - 10.60
<i>by ARSENAZO III, SPE</i> PHOSPHOROUS: SEF		4.22	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	4.22	Thy/uL	2.30 - 4.70
ELECTROLYTES				
sodium: serum		139.8	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		2 70		2 50 5 00
POTASSIUM: SERUN by ISE (ION SELECTIV		3.78	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		104.85	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	-			
	RULAR FILTERATION RATE	F7 F		
egfr): Serum	RULAR FILTERATION RATE	57.5		
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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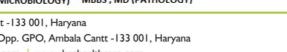


	<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Cons		Dr. Yugam Chopra MD (Pathology) t CEO & Consultant Pathologist			
NAME	: Mrs. SHASHI BANSAL					
AGE/ GENDER	: 69 YRS/FEMALE	PATI	ENT ID	: 1579121		
COLLECTED BY	:	REG.	NO./LAB NO.	:01240813004	2	
REFERRED BY			TRATION DATE	: 13/Aug/2024 11		
BARCODE NO.	: 01515011		ECTION DATE	: 13/Aug/2024 12		
				e		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 13/Aug/2024 02	2:04PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT				
Test Name		Value	Unit	Biologic	al Reference interval	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. <b>INCREASED RATIO (&gt;2</b> 1. Postrenal azotemia	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) <b>0:1) WITH ELEVATED CREATININE</b> (BUN rises disproportionately m	ction) <b>LEVELS:</b>		cosis, Cushing's syndr athy).	ome, high protein diet,	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an im 2. Cephalosporin ther ESTIMATED GLOMERL CKD STAGE	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) <b>0:1) WITH ELEVATED CREATININE</b> (BUN rises disproportionately m superimposed on renal disease. <b>0:1) WITH DECREASED BUN :</b> osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse f inappropiate antidiuretic harm <b>0:1) WITH INCREASED CREATININ</b> py (accelerates conversion of crea- eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false ind creased BUN/creatinine ratio). apy (interferes with creatinine m <b>UAR FILTERATION RATE:</b> <b>DESCRIPTION</b>	ction) <b>LEVELS:</b> ore than creatinine) (e. ses out of extracellular nt in blood). one) due to tubular sec <b>E:</b> atine to creatinine). erease in creatinine wit easurement). GFR ( mL/min	g. obstructive urop fluid). retion of urea. n certain methodol	athy). ogies,resulting in nor SSOCIATED FINDINGS		
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. <b>NCREASED RATIO (&gt;2</b> 1. Postrenal azotemia 2. Prerenal azotemia <b>DECREASED RATIO (&lt;1</b> 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. <b>DECREASED RATIO (&lt;1</b> 1. Phenacimide thera 2. Rhabdomyolysis (ro 8. Muscular patients <b>NAPPROPIATE RATIO</b> 1. Diabetic ketoacido should produce an in- 2. Cephalosporin ther <b>ESTIMATED GLOMERL</b> <b>CKD STAGE</b> G1	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) <b>0:1) WITH ELEVATED CREATININE</b> (BUN rises disproportionately m superimposed on renal disease. <b>0:1) WITH DECREASED BUN :</b> osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse if inappropiate antidiuretic harm <b>0:1) WITH INCREASED CREATININ</b> py (accelerates conversion of creatinine). who develop renal failure. sis (acetoacetate causes false ind creased BUN/creatinine ratio). apy (interferes with creatinine m <b>UAR FILTERATION RATE:</b> <b>DESCRIPTION</b> Normal kidney funct	ction) LEVELS: ore than creatinine) (e. ses out of extracellular nt in blood). one) due to tubular sec E: atine to creatinine). erease in creatinine wit easurement). GFR (mL/min ion >90	g. obstructive urop fluid). retion of urea.	athy). ogies,resulting in nor SSOCIATED FINDINGS No proteinuria		
Y. Urine reabsorption     Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     Postrenal azotemia     DECREASED RATIO (<1     Acute tubular necr     Low protein diet ar     Severe liver disease     Other causes of de     Repeated dialysis (     SIADH (syndrome c     Rhabdomyolysis (r     Rhabdomyolysis (r     NAPPROPIATE RATIO     Diabetic ketoacido     hould produce an in     CENTATED GLOMERL     CKD STAGE	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) <b>0:1) WITH ELEVATED CREATININE</b> (BUN rises disproportionately m superimposed on renal disease. <b>0:1) WITH DECREASED BUN :</b> osis. Id starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse f inappropiate antidiuretic harm <b>0:1) WITH INCREASED CREATININ</b> py (accelerates conversion of cre- eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ind creased BUN/creatinine ratio). apy (interferes with creatinine m <b>ILAR FILTERATION RATE:</b> <b>DESCRIPTION</b> Normal kidney funct Kidney damage wit	ction)  LEVELS: ore than creatinine) (e. ses out of extracellular nt in blood). one) due to tubular sec E: atine to creatinine).  crease in creatinine wit easurement).  GFR (mL/min ion >90 h >90	g. obstructive urop fluid). retion of urea.	athy). ogies,resulting in nor SSOCIATED FINDINGS	mal ratio when dehydr	
7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. <b>NCREASED RATIO (&gt;2</b> 1. Postrenal azotemia 2. Prerenal azotemia <b>DECREASED RATIO (&lt;1</b> 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. <b>DECREASED RATIO (&lt;1</b> 1. Phenacimide thera 2. Rhabdomyolysis (ro 8. Muscular patients <b>NAPPROPIATE RATIO</b> 1. Diabetic ketoacido 5. Nould produce an in- 2. Cephalosporin ther <b>STIMATED GLOMERL</b> <b>CKD STAGE</b> G1	xia, high fever). (e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) <b>0:1) WITH ELEVATED CREATININE</b> (BUN rises disproportionately m superimposed on renal disease. <b>0:1) WITH DECREASED BUN :</b> osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse if inappropiate antidiuretic harm <b>0:1) WITH INCREASED CREATININ</b> py (accelerates conversion of creatinine). who develop renal failure. sis (acetoacetate causes false ind creased BUN/creatinine ratio). apy (interferes with creatinine m <b>UAR FILTERATION RATE:</b> <b>DESCRIPTION</b> Normal kidney funct	ction) LEVELS: ore than creatinine) (e. ses out of extracellular nt in blood). one) due to tubular sec E: atine to creatinine). crease in creatinine wit easurement). GFR (mL/min ion >90 h >90 R	g. obstructive urop fluid). retion of urea.	athy). ogies,resulting in nor SSOCIATED FINDINGS No proteinuria resence of Protein ,	mal ratio when dehydr	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)









	Dr. Vinay Chopra MD (Pathology & Microl Chairman & Consultant	biology) ME	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. SHASHI BANSAL		
AGE/ GENDER	: 69 YRS/FEMALE	PATIENT ID	: 1579121
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>	: 012408130042
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 13/Aug/2024 11:54 AM
BARCODE NO.	: 01515011	COLLECTION DATE	: 13/Aug/2024 12:33PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 13/Aug/2024 02:04PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	LA CANTT	
			/
Test Name	N	/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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Cor			(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: <b>Mrs. SHASHI BANSAL</b> : 69 YRS/FEMALE : : : 01515011 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1579121 <b>: 012408130042</b> : 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 02:04PM
Test Name		Value	Unit	Biological Reference interval
	IN	IMUNOPATH	OLOGY/SEROLOGY	
			RA): QUANTITATIVE - S	ERUM
SERUM by NEPHLOMETRY INTERPRETATION:- RHEUMATOID FACTOR 1. Rheumatoid factors 2. Over 75% of patien useful although it may 3. Inflammatory Mark 4. The titer of RF corre 5. The test is useful for RHEUMATOID ARTHIRI 1. Rheumatoid Arthiri membrane lining (syn 2. The disease spredat 3. The diagnosis of RA measurement of RA fa CAUTION (FALSE POST 1. RA factor is not speci 2. Non rheumatoid and RA patients have a nor 3. Patients with variou. Iupus erythematosus, p 4. Anti-CCP have been specific (98%) than RA 5. Upto 30 % of patien	s (RF) are antibodies that are dir ts with rheumatoid arthritis (R/ y not be etiologically related to ers such as ESR & C-Reactive pr elates poorly with disease activi or diagnosis and prognosis of rh <b>TIS:</b> tis is a systemic autoimmune d ovium) joints which ledas to pr s from small to large joints, wit A is primarily based on clinical, ctor. <b>IVE):</b> cific for Rheumatoid arthiritis, as d rheumatoid arthritis (RA) popul oreactive titer and 8% of nonrheu s nonrheumatoid diseases, chara polymyositis, tuberculosis, syphil discovered in joints of patients w	A) have an IgM an RA. otein (CRP) are no ty, but those pation neumatoid arthrit lisease that is mu ogressive joint do h greatest damag radiological & imi <i>it is often present</i> lations are not clea umatoid patients h cterized by chronic is, viral hepatitis, h vith RA, but not in d arthiritis also sho	Itibody to IgG immunoglobu ormal in about 60 % of patie ents with high titers tend to is. Iti-functional in origin and i estruction and in most case e in early phase. munological features. The m in healthy individuals with o arly separate with regard to have a positive titer). c inflammation may have positive titer, c inflammati c inflammation may have positive ti	Ulin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course. s characterized by chronic inflammation of the s to disability and reduction of quality life. host frequent serological test is the ther autoimmune diseases and chronic infections. the presence of rheumatoid factor (RF) (15% of sitive tests for RF. These diseases include systemic d influenza. nti-CCP2 is HIGHLY SENSITIVE (71%) & more

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Dr. Vinay Ch MD (Pathology & Chairman & Con			obiology) MD (Pathology)	
NAME AGE/ GENDER	<b>: Mrs. SHASHI BANSAL</b> : 69 YRS/FEMALE	PATIE		: 1579121
COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: : : 01515011 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REGIS COLLE REPOI	O./LAB NO. FRATION DATE CTION DATE RTING DATE	: 012408130042 : 13/Aug/2024 11:54 AM : 13/Aug/2024 12:33PM : 13/Aug/2024 01:54PM
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	OLOGY	
	URINE RO	OUTINE & MICROSC	OPIC EXAMINAT	ΓΙΟΝ
PHYSICAL EXAMINA	TION			
QUANTITY RECIEVE		10	ml	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		PALE YELLOW		PALE YELLOW
		HAZY		CLEAR
SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
REACTION		ACIDIC		
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)

MICROSCOPIC EXAMINATION



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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

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

NAME	: Mrs. SHASHI BANSAL				
AGE/ GENDER	: 69 YRS/FEMALE	PATI	ENT ID	: 1579121	
COLLECTED BY	:	REG.	NO./LAB NO.	: 012408130042	
<b>REFERRED BY</b>	:	REGI	STRATION DATE	: 13/Aug/2024 11:54 AM	
BARCODE NO.	: 01515011 COLL		ECTION DATE	: 13/Aug/2024 12:33PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	DRTING DATE	: 13/Aug/2024 01:54PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT				
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
PUS CELLS		10-15	/HPF	0 - 5	

PUS CELLS	10-15	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS	5-7	/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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