



	<b>Dr. Vinay Chopr</b> MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. SUMAN			
AGE/ GENDER	: 50 YRS/FEMALE		PATIENT ID	: 1558933
COLLECTED BY	:		REG. NO./LAB NO.	: 042407240005
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 24/Jul/2024 09:53 AM
BARCODE NO.	: A0465047		COLLECTION DATE	: 24/Jul/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 24/Jul/2024 10:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	SALA CANT	Г	
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA W	ELLNESS PANEL: 1.5	
	CON	/IPLETE BI	OOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		12.6	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RE	BC) COUNT	5.28 <sup>H</sup>	Millions	/cmm 3.50 - 5.00
by HYDRO DYNAMIC I PACKED CELL VOLUN	FOCUSING, ELECTRICAL IMPEDENCE	40.5	%	37.0 - 50.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	10.0		
MEAN CORPUSCULA by CALCULATED BY A	R VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	76.6 <sup>L</sup>	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH)	23.9 <sup>L</sup>	pg	27.0 - 34.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER R HEMOGLOBIN CONC. (MCHC)	31.1 <sup>L</sup>	g/dL	32.0 - 36.0
	AUTOMATED HEMATOLOGY ANALYZER TON WIDTH (RDW-CV)	15.1	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	TON WIDTH (RDW-SD)	43.5	fL	35.0 - 56.0
MENTZERS INDEX		14.51	RATIO	BETA THALASSEMIA TRAIT: < 13.0
by CALCULATED GREEN & KING INDE	.v	21.94	RATIO	IRON DEFICIENCY ANEMIA: >13.0 BETA THALASSEMIA TRAIT: < =
by CALCULATED	Λ	21.94	KATIO	65.0
				IRON DEFICIENCY ANEMIA: > 65.
WHITE BLOOD CELLS		10000	lama	4000 11000
TOTAL LEUCOCYTE C	OUNT (TLC) Y BY SF CUBE & MICROSCOPY	10230	/cmm	4000 - 11000
NUCLEATED RED BLC by CALCULATED BY A MICROSCOPY	DOD CELLS (nRBCS) NUTOMATED HEMATOLOGY ANALYZER &	NIL		0.00 - 20.00
NUCLEATED RED BLO	DOD CELLS (nRBCS) % AUTOMATED HEMATOLOGY ANALYZER &	NIL	%	< 10 %

**DIFFERENTIAL LEUCOCYTE COUNT (DLC)** 



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

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

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Dr. Vinay Chopra

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

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CLIENI ADDRESS	. 0349/1, NICHOLSON ROAD, AN	IDALA CANTI		
Test Name		Value	Unit	Biological Reference interval
NEUTROPHILS		60	%	50 - 70
	BY SF CUBE & MICROSCOPY	00	70	50 - 70
LYMPHOCYTES		31	%	20 - 40
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY			
EOSINOPHILS		4	%	1 - 6
-	BY SF CUBE & MICROSCOPY	-	0/	2 12
MONOCYTES	BY SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS		0	%	0 - 1
	BY SF CUBE & MICROSCOPY	Ū	70	
ABSOLUTE LEUKOCY	TES (WBC) COUNT			
ABSOLUTE NEUTROP	HIL COUNT	6138	/cmm	2000 - 7500
	BY SF CUBE & MICROSCOPY			
ABSOLUTE LYMPHOC		3171	/cmm	800 - 4900
	BY SF CUBE & MICROSCOPY	100	1	10 110
ABSOLUTE EOSINOPH	HL COUNT BY SF CUBE & MICROSCOPY	409	/cmm	40 - 440
ABSOLUTE MONOCY		512	/cmm	80 - 880
	BY SF CUBE & MICROSCOPY	012	/ GITITI	
ABSOLUTE BASOPHIL	COUNT	0	/cmm	0 - 110
	BY SF CUBE & MICROSCOPY			
	ER PLATELET PREDICTIVE MARKE	<u>ERS.</u>		
PLATELET COUNT (PL		418000	/cmm	150000 - 450000
-	OCUSING, ELECTRICAL IMPEDENCE		<i><b>N</b></i>	0.40 0.07
PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.41 <sup>H</sup>	%	0.10 - 0.36
MEAN PLATELET VOL		10	fL	6.50 - 12.0
	OCUSING, ELECTRICAL IMPEDENCE			
PLATELET LARGE CELL	L COUNT (P-LCC) OCUSING, ELECTRICAL IMPEDENCE	108000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CEL		25.8	%	11.0 - 45.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			- · · · · · · · ·
PLATELET DISTRIBUT		16.2	%	15.0 - 17.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

自行的编制

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







	<b>Dr. Vinay Cho</b> MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		TING DATE	: 24/Jul/2024 02:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
Test Name		Value	Unit	Biological Reference interval
				3
	GL	YCOSYLATED HAEMOGI	OBIN (HBA1C)	
GLYCOSYLATED HAEM		YCOSYLATED HAEMOGI 6.7 <sup>H</sup>	OBIN (HBA1C) %	4.0 - 6.4
VHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI	OGLOBIN (HbA1c): Mance liquid chromatography)			
VHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI	OGLOBIN (HbA1c): wance liquid chromatography) PLASMA GLUCOSE wance liquid chromatography)	6.7 <sup>H</sup>	%	4.0 - 6.4
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABI FERENCE GROUP	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA):	% mg/dL MOGLOGIB (HBAIC) ir	4.0 - 6.4 60.00 - 140.00
VHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>VTERPRETATION:</u> RE Non diab	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL MOGLOGIB (HBAIC) in <5.7	4.0 - 6.4 60.00 - 140.00
VHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI NTERPRETATION: RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE	% mg/dL <u>MOGLOGIB (HBAIC) in</u> <5.7 .7 – 6.4	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5	% mg/dL <5.7 .7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> RE Non diab At F	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Age	% mg/dL <5.7 .7 – 6.4 >= 6.5 > 19 Years	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> <u>RE</u> Non diab At F Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 Age Goals of Therapy:	% mg/dL <5.7 .7 - 6.4 >= 6.5 > 19 Years < 7.0	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORI STIMATED AVERAGE I by HPLC (HIGH PERFORI <u>NTERPRETATION:</u> <u>RE</u> Non diab At F Dia	OGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIAB FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	6.7 <sup>H</sup> 145.59 <sup>H</sup> ETES ASSOCIATION (ADA): GLYCOSYLATED HE 5 <u>Age</u> Goals of Therapy: Actions Suggested:	% mg/dL <5.7 .7 – 6.4 >= 6.5 > 19 Years	4.0 - 6.4 60.00 - 140.00

### COMMENTS:

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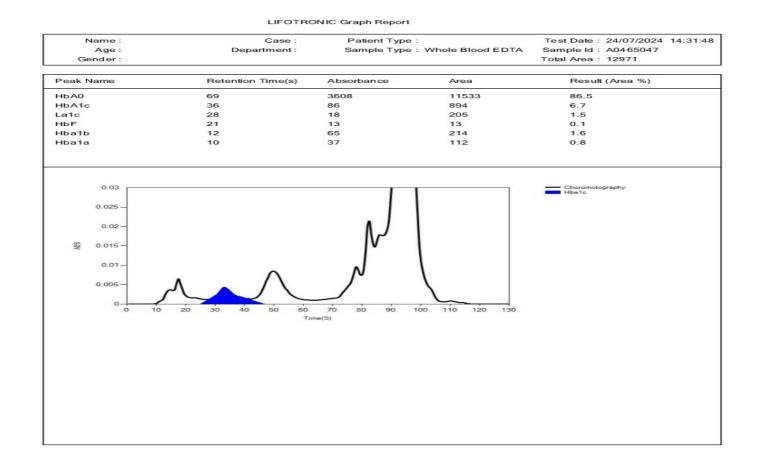
DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)







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NAME	: Mrs. SUMAN		
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
<u> </u>			
Test Name	V	alue Unit	Biological Reference interval





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BARCODE NO.	: A0465047	COI	LECTION DATE	: 24/Jul/2024 10:33AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REF	ORTING DATE	: 24/Jul/2024 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMEN	ITATION RATE (ES	R)
by MODIFIED WESTE INTERPRETATION: 1. ESR is a non-specifi immune disease, but 2. An ESR can be affe	does not tell the health practitio cted by other conditions besides	<b>25<sup>H</sup></b> t often indicates the p ner exactly where the inflammation. For thi	mm/1st presence of inflammat inflammation is in the s reason, the ESR is ty	hr 0 - 20 ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such
as C-reactive protein	be used to monitor disease activi ematosus			picallý used in conjunction with other test suc bove diseases as well as some others, such as

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

#### NOTE:

ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as devicen, methylicity and contracentives.

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

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





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BARCODE NO.	: A0465045	CO	LLECTION DATE	: 24/Jul/2024 10:32AM
		DE	PORTING DATE	: 24/Jul/2024 12:03PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	KE	FORTING DATE	. 24/ Jul/ 2024 12:001 W
	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD,		FORTING DATE	. 24/Jul/ 2024 12:001 M
CLIENT CODE. CLIENT ADDRESS Test Name			Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	Unit Y/BIOCHEMISTR	Biological Reference interval

intolerant or prediabetic. A fasting and post-prandial blood

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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			opra Dr. Yugam Chopra Microbiology) MD (Pathology) sultant Pathologist CEO & Consultant Pathologist		
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	KOS DIAGNOSTIC SHAHBAI 6349/1, NICHOLSON ROAD		RTING DATE	: 24/Jul/2024 11:40AM	
Test Name		Value	Unit	Biological Reference interval	
		LIPID PROFILE :	BASIC		
CHOLESTEROL TOTAL: S by CHOLESTEROL OXID		192.22	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.	
TRIGLYCERIDES: SERUI	M ATE OXIDASE (ENZYMATIC)	266.85 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0	
HDL CHOLESTEROL (DII by SELECTIVE INHIBITION		35.2	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0	
LDL CHOLESTEROL: SEF by CALCULATED, SPECT		103.65	mg/dL	HIGH HDL: > OR = 60.0 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 CHOLESTERC by calculated, speci		157.02 <sup>H</sup>	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: SI		53.37 <sup>H</sup>	mg/dL	0.00 - 45.00	
by CALCULATED, SPECT TOTAL LIPIDS: SERUM by CALCULATED, SPECT		651.29	mg/dL	350.00 - 700.00	
CHOLESTEROL/HDL RA	TIO: SERUM	5.46 <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: SERUN by CALCULATED, SPECT		2.94	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0	

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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		7.58 <sup>H</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.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)









Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SUMAN AGE/ GENDER : 50 YRS/FEMALE **PATIENT ID** :1558933 **COLLECTED BY** :042407240005 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Jul/2024 09:53 AM : **BARCODE NO.** : A0465046 **COLLECTION DATE** : 24/Jul/2024 10:33AM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :24/Jul/2024 11:40AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.32 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.00 - 0.40 0.13 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.19 0.10 - 1.00 mg/dL by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 32.54 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 40.41 U/L 0.00 - 49.00 by IECC WITHOUT PYRIDOXAL PHOSPHATE

by IFCC, WITHOUT PYRIDOXAL PHOSPHATE				
AST/ALT RATIO: SERUM	0.81	RATIO	0.00 - 46.00	
by CALCULATED, SPECTROPHOTOMETRY				
ALKALINE PHOSPHATASE: SERUM	92.5	U/L	40.0 - 150.0	
by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL	-			
PROPANOL				
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM	40.4	U/L	0.00 - 55.0	
by SZASZ, SPECTROPHTOMETRY				
TOTAL PROTEINS: SERUM	7.41	gm/dL	6.20 - 8.00	
by BIURET, SPECTROPHOTOMETRY				
ALBUMIN: SERUM	4.57	gm/dL	3.50 - 5.50	
by BROMOCRESOL GREEN		3		
GLOBULIN: SERUM	2.84	gm/dL	2.30 - 3.50	
by CALCULATED, SPECTROPHOTOMETRY		3		
A : G RATIO: SERUM	1.61	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:

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 & Mi Chairman & Consult	crobiology)	Dr. Yugan MD O & Consultant	(Pathology)
NAME	: Mrs. SUMAN			
AGE/ GENDER	: 50 YRS/FEMALE	PATIENT	D	: 1558933
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Test Name		Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	>	1.3 (Slightly Inc	reased)

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).

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

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EXCELL		ARE & DIAGNOSTICS

Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SUMAN AGE/ GENDER : 50 YRS/FEMALE **PATIENT ID** :1558933 **COLLECTED BY** :042407240005 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 24/Jul/2024 09:53 AM **BARCODE NO.** : A0465046 **COLLECTION DATE** : 24/Jul/2024 10:33AM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :24/Jul/2024 11:40AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval KIDNEY FUNCTION TEST (COMPLETE) UREA: SERUM** 26.84 mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 0.77 mg/dL 0.40 - 1.20 by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM 12.54 mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY BLOOD UREA NITROGEN (BUN)/CREATININE 16.29 RATIO 10.0 - 20.0 RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY RATIO **UREA/CREATININE RATIO: SERUM** 34.86 by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 5.8 2.50 - 6.80 mg/dL by URICASE - OXIDASE PEROXIDASE 8.8 8.50 - 10.60 CALCIUM: SERUM mg/dL by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM 4.28 mg/dL 2.30 - 4.70 by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY **ELECTROLYTES** SODIUM: SERUM 143.6 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM 4.22 mmol/L 3.50 - 5.00 by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 107.7 mmol/L 90.0 - 110.0 by ISE (ION SELECTIVE ELECTRODE) **ESTIMATED GLOMERULAR FILTERATION RATE** 93.9 ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM by CALCULATED

# INTERPRETATION:

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.



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LIENI ADDRESS	. 0349/ 1, MICHOL	JON ROAD, AMDALA	CANTI		
Test Name		Val		Unit	Biological Reference interval
INCREASED RATIO (>2 1. Postrenal azotemia	tetracycline, glucoco 20:1) WITH ELEVATED a (BUN rises dispropo superimposed on rer	CREATININE LEVELS: rtionately more than	creatinine) (e.	g. obstructive uropa	athy).
	10:1) WITH DECREASE				
I. Acute tubular neci	osis.				
<ol> <li>Low protein diet a</li> <li>Severe liver diseas</li> </ol>					
	e. ecreased urea synthes	sis.			
5. Repeated dialysis	(urea rather than crea	atinine diffuses out o	foutrocollulor		
	imonemias (urea is vi	rtually absent in bloc	n extracenular	fluid).	
7. SIADH (syndrome) 3. Pregnancy.	ot inappropiate antidi		od).	,	
		uretic harmone) due	od).	,	
	10:1) WITH INCREASEI	uretic harmone) due	od).	,	
1. Phenacimide thera	10:1) WITH INCREASEI apy (accelerates conve	uretic harmone) due D CREATININE: ersion of creatine to c	od). to tubular sect	,	
1. Phenacimide thera 2. Rhabdomyolysis (r		uretic harmone) due <b>D CREATININE:</b> ersion of creatine to c inine).	od). to tubular sect	,	

## **INAPPROPIATE RATIO:**

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio). 2. Cephalosporin therapy (interferes with creatinine measurement).

CKD STAGE	DESCRIPTION	GFR ( mL/min/1.73m2 )	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein ,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	



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Test Name	Va	lue 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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Test Name		Value	Unit	Biological Reference interval
		Value	onit	biological Reference interval
		IRON PRO	FILE	
IRON: SERUM by ferrozine, spec	TROPHOTOMETRY	66.4	μg/dL	50.0 - 170.0
:SERUM	I BINDING CAPACITY (UIBC)	223.2	μg/dL	150.0 - 336.0
by FERROZINE, SPEC		000 (		000 400
TOTAL IRON BINDIN SERUM by SPECTROPHOTOM		289.6	μg/dL	230 - 430
%TRANSFERRIN SAT		22.93	%	15.0 - 50.0
TRANSFERRIN: SERU		205.62	mg/dL	200.0 - 350.0

by SPECTROPHOTOMETERY (FERENE)

#### **INTERPRETATION:-**

VARIABLES	ANEMIA OF CHRONIC DISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT
SERUM IRON:	Normal to Reduced	Reduced	Normal
TOTAL IRON BINDING CAPACITY:	Decreased	Increased	Normal
% TRANSFERRIN SATURATION:	Decreased	Decreased < 12-15 %	Normal
SERUM FERRITIN:	Normal to Increased	Decreased	Normal or Increased

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC):

 It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.
 TRANSFERRIN SATURATION:

1.Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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: Mrs. SUMAN			
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: 6349/1, NICHOLSON KOAD, AMB.	Value	Unit	Biological Reference interval
ТНҮР			
	0.869	ng/mL	0.35 - 1.93
	8.24	µgm/dL	4.87 - 12.60
. ,	3.569	µIU/mL	0.35 - 5.50
	MD (Pathology & Micr Chairman & Consultar : Mrs. SUMAN : 50 YRS/FEMALE : : : A0465046 : KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMB : 6349/1, NICHOLSON ROAD, AMB (T3): SERUM ESCENT MICROPARTICLE IMMUNOASSAY) RUM ESCENT MICROPARTICLE IMMUNOASSAY RUM	MD (Pathology & Microbiology) Chairman & Consultant Patholog : Mrs. SUMAN : 50 YRS/FEMALE : : : A0465046 : KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, AMBALA CANT Value Value ENDO THYROID FUN (T3): SERUM 0.869 ESCENT MICROPARTICLE IMMUNOASSAY) RUM 8.24 ESCENT MICROPARTICLE IMMUNOASSAY)	MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD CEO & Consultant : Mrs. SUMAN : 50 YRS/FEMALE PATIENT ID : REG. NO./LAB NO. : REGISTRATION DATE : A0465046 COLLECTION DATE : A0465046 COLLECTION DATE : KOS DIAGNOSTIC SHAHBAD REPORTING DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT : 6349/1, NICHOLSON ROAD, AMBALA CANTT : CINCOUNCTION TEST: TOTAL : CINCOUNCTION TEST: TOTAL (T3): SERUM 0.869 ng/mL ESCENT MICROPARTICLE IMMUNOASSAY) RUM 8.24 µgm/dL ESCENT MICROPARTICLE IMMUNOASSAY) RUM 8.24 µgm/dL ESCENT MICROPARTICLE IMMUNOASSAY) NG HORMONE (TSH): SERUM 3.569 µlU/mL

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

#### LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

3. Serum T4 levles in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHYRONINE (T3)		THYROXINE (T4)		THYROID STIMUL	ATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range ( μIU/mL)
0 - 7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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L			
Test Name	Value	Unit	Biological Reference interval

Test Name			Value	Unit		Biological Reference interva
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35- 5.50	
	RECOM	MENDATIONS OF TSH LE	VELS DURING PREG	NANCY ( µIU/mL)	-	
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

## **INCREASED TSH LEVELS:**

1. Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3. Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8. Pregnancy: 1st and 2nd Trimester



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Test Name		Value	Unit	Biological Reference interva	al
		VI	<b>TAMINS</b>		
	VIT	AMIN D/25 H	IYDROXY VITAMIN D3		
by CLIA (CHEMILUMI	ROXY VITAMIN D3): SERUM NESCENCE IMMUNOASSAY)	29.2 <sup>L</sup>	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0	
<u>NTERPRETATION:</u> DEFI	CIENT:	< 20	n	a/ml	
	FICIENT:	21 - 29		g/mLg/mL	
	ED RANGE:	30 - 100 > 100		g/mL g/mL	
issue and tightly bo 3. Vitamin D plays a p bhosphate reabsorpt 4. Severe deficiency r DECREASED: 1. Lack of sunshine ex 2. Inadeguate intake,	und by a transport protein while primary role in the maintenance of cion, skeletal calcium deposition, may lead to failure to mineralize r posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activin need Liver disease	in circulation. of calcium home calcium mobiliz newly formed os ty fild to Moderate	eostatis. It promotes calciur ation, mainly regulated by i steoid in bone, resulting in r	port form of Vitamin D, being stored in ac n absorption, renal calcium absorption ar parathyroid harmone (PTH). rickets in children and osteomalacia in ad that increases Vitamin D metabolism.	nd





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CLIENT ADDRESS					
Test Name		Value	Unit	Biological Reference interval	
VITAMIN B12/COBAI	LAMIN: SERUM IESCENT MICROPARTICLE IMMUNOASS	VITAMIN B12/CC 210.1	BALAMIN pg/mL	190.0 - 890.0	
by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASS	210.1	pg/mL	190.0 - 890.0	
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	ESCENT MICROPARTICLE IMMUNOASS	210.1 SAY)		190.0 - 890.0	
by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASS	210.1 SAY)	pg/mL	190.0 - 890.0 B12	
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOASS ED VITAMIN B12 hin C gen hin A	210.1 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	pg/mL DECREASED VITAMIN in, Anti-convulsants, ion	190.0 - 890.0 B12	
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam 4.Hepatocellular inj	ESCENT MICROPARTICLE IMMUNOASS ED VITAMIN B12 nin C gen nin A jury	210.1 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contracepti	pg/mL DECREASED VITAMIN in, Anti-convulsants, ion re Harmones	190.0 - 890.0 B12	
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estrog 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOASS ED VITAMIN B12 nin C gen nin A jury	210.1 SAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	pg/mL DECREASED VITAMIN in, Anti-convulsants, ion ve Harmones sis	190.0 - 890.0 B12	

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states. 7.Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.





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	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	Pathology)	
NAME	: Mrs. SUMAN				
AGE/ GENDER	: 50 YRS/FEMALE	Р	ATIENT ID	: 1558933	
COLLECTED BY	:	R	EG. NO./LAB NO.	: 042407240005	
REFERRED BY	:	R	EGISTRATION DATE	: 24/Jul/2024 09:53 AM	
BARCODE NO.	: SNR	C	OLLECTION DATE	: 24/Jul/2024 03:58PM	
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	R	EPORTING DATE	: 24/Jul/2024 05:27PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
		CLINICAL P	ATHOLOGY		
		OUTINE & MICR	OSCOPIC EXAMINAT	TION	
PHYSICAL EXAMINA	TION				
QUANTITY RECIEVE		10	ml		
,	TANCE SPECTROPHOTOMETRY		0144		
COLOUR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	AMBER YELI	-000	PALE YELLOW	
FRANSPARANCY		HAZY		CLEAR	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	1.01		1.002 - 1.030	
	TANCE SPECTROPHOTOMETRY	1.01		1.002 1.000	
CHEMICAL EXAMINA	ATION				
REACTION		ACIDIC			
by DIP STICK/REFLEC PROTEIN	TANCE SPECTROPHOTOMETRY	1+		NEGATIVE (-ve)	
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY				
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
э <b>у</b> 2л оттогон <u>а</u> 220 оН		5.5		5.0 - 7.5	
· ·	TANCE SPECTROPHOTOMETRY				
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)	
•	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0	
JROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NUTTIAL	EU/UL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLEC BLOOD	TANCE SPECTROPHOTOMETRY	TRACE		NEGATIVE (-ve)	
	TANCE SPECTROPHOTOMETRY	INAUL			
ASCORBIC ACID		NEGATIVE (-	ve)	NEGATIVE (-ve)	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				

**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. SUMAN				
AGE/ GENDER	LLECTED BY       :         FERRED BY       :         RCODE NO.       : SNR		PATIENT ID	: 1558933	
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<b>REFERRED BY</b>			<b>REGISTRATION DATE</b>		
BARCODE NO.			<b>COLLECTION DATE</b>	: 24/Jul/2024 03:58PM : 24/Jul/2024 05:27PM	
CLIENT CODE.			REPORTING DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANT	T		
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs)	0-2	/HPF	0 - 3	
•		• -	,		

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	10-12	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS	6-8	/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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