

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	<b>Dr. Vinay Chopra</b> MD (Pathology & Microb Chairman & Consultant F		Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mr. AMIT KUMAR				
AGE/ GENDER	: 41 YRS/MALE	P	ATIENT ID	: 1808295	
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 01250327005	52
REFERRED BY	:	R	EGISTRATION DATE	:27/Mar/20251	2:47 PM
BARCODE NO.	:01527884	C	OLLECTION DATE	: 27/Mar/2025 1	2:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 27/Mar/2025 0	2:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT			
Test Name	V	alue	Unit	Biologi	cal Reference interval
			LNESS PANEL: 1 OD COUNT (CBC)	.5	
RED BLOOD CELL	<u>S (RBCS) COUNT AND INDICES</u>				
HAEMOGLOBIN (HI		8.9 <sup>L</sup>	gm/dL	12.0 -	17.0
RED BLOOD CELL	(RBC) COUNT DCUSING, ELECTRICAL IMPEDENCE	2.7 <sup>L</sup>	Millions/	cmm 3.50 -	5.00
PACKED CELL VOL		27.2 <sup>L</sup>	%	40.0 -	54.0
MEAN CORPUSCUL	AR VOLUME (MCV) JTOMATED HEMATOLOGY ANALYZER	100.6 <sup>H</sup>	fL	80.0 -	100.0
	AR HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	33	pg	27.0 -	34.0
	AR HEMOGLOBIN CONC. (MCHC) JTOMATED HEMATOLOGY ANALYZER	32.8 <sup>L</sup>	g/dL	32.0 -	36.0
	BUTION WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	16.5 <sup>H</sup>	%	11.00	- 16.00
	BUTION WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	61.8 <sup>H</sup>	fL	35.0 -	56.0
MENTZERS INDEX by CALCULATED		37.26	RATIO	13.0	
				IRON >13.0	DEFICIENCY ANEMIA:
GREEN & KING INI by Calculated	DEX	187.62	RATIO		THALASSEMIA TRAIT:
-					DEFICIENCY ANEMIA:
WHITE BLOOD CH	ELLS (WBCS)				
TOTAL LEUCOCYT by FLOW CYTOMETRY	Έ COUNT (TLC) by sf cube & microscopy	4280	/cmm	4000 -	11000
	BLOOD CELLS (nRBCS)	NIL		0.00 -	20.00
	T HEMATOLOGY ANALYZER				





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mr. AMIT KUMAR **AGE/ GENDER** : 41 YRS/MALE **PATIENT ID** :1808295 **COLLECTED BY** : SURJESH :012503270052 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 27/Mar/2025 12:47 PM **BARCODE NO.** :01527884 **COLLECTION DATE** : 27/Mar/2025 12:56PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 27/Mar/2025 02:26PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS 55 50 - 70 % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 29 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 4 % 1 - 6by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 12 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 2354 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 1241 /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 171 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 514 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 ABSOLUTE BASOPHIL COUNT 0 - 110/cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) /cmm 150000 - 450000 50000<sup>L</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.06<sup>L</sup> % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) fL. 6.50 - 12.0 15<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) /cmm 30000 - 90000 26000<sup>L</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 62.6<sup>H</sup> by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.3 % 15.0 - 17.0





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	<b>Dr. Vinay Chop</b> MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugan MD D & Consultant	(Pathology)
NAME	: Mr. AMIT KUMAR			
AGE/ GENDER	: 41 YRS/MALE	PATIENT I	D	: 1808295
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Test Name		Value	Unit	<b>Biological Reference interval</b>
by HYDRO DYNAMIC F	FOCUSING, ELECTRICAL IMPEDENCE	KINDLY CORRE	LATE CLINI	CALLY

ADVICE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED



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BARCODE NO.	:01527884		LLECTION DATE	: 27/Mar/2025 12:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 27/Mar/2025 03:50PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A		I ONING DAIL	. 217 Mai / 2023 03.301 M
CLIENT ADDRESS	. 0345/ 1, NICHOLSON ROAD, A	INDALA CAN I I		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD	IAEMOGLOBIN (HbA1c):	4.2	MOGLOBIN (HBA %	4.0 - 6.4
	AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	73.84	mg/dL	60.00 - 140.00
		DIABETES ASSOCIATIO		
	REFERENCE GROUP		DN (ADA): DSYLATED HEMOGLOGIB	(HBAIC) in %
	abetic Adults >= 18 years		<5.7	
	t Risk (Prediabetes)	5.7 – 6.4		
D	iagnosing Diabetes	>= 6.5		
			Age > 19 Years	
These is t	in angle for characteristic south of	Goals of		< 7.0
Therapeut	ic goals for glycemic control	Actions Su		>8.0
		Carlist	Age < 19 Years	7 5
1		Goal of t	nerapy:	<7.5

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

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

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

4. High HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia 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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		hopra & Microbiology) onsultant Pathologi		(Pathology)
NAME	: Mr. AMIT KUMAR			
AGE/ GENDER	: 41 YRS/MALE		PATIENT ID	: 1808295
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BARCODE NO.	:01527884		COLLECTION DATE	: 27/Mar/2025 12:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 27/Mar/2025 03:04PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANT	ſ	
Test Name		Value	Unit	Biological Reference interval
Test Name		value	Unit	biological Reference interval
	ERYTH	ROCYTE SED	IMENTATION RATE	(ESR)
	DIMENTATION RATE (ESI TATION BY CAPILLARY PHOTOME		mm/1st h	nr 0 - 20
1. ESR is a non-specifi immune disease, but 2. An ESR can be affect	does not tell the health practit	ioner exactly whe	re the inflammation is in the	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such
systemic lupus erythe	matosus V ESR			bove diseases as well as some others, such as
(polycythaemia), sign	n with conditions that inhibit t ificantly high white blood cell e cell anaemia) also lower the	count (leucocytos	ntation of red blood cells, s is) , and some protein abno	uch as a high red blood cell count rmalities. Some changes in red cell shape (such
2. Generally, ESR does 3. CRP is not affected	e protein (C-RP) are both marke s not change as rapidly as does by as many other factors as is l ed, it is typically a result of two	s CRP, either at the SR, making it a be	e start of inflammation or as etter marker of inflammation	s it resolves. <b>1</b> .
<ol> <li>Women tend to have</li> <li>Drugs such as dextr</li> </ol>	e a higher ESR, and menstruat	ion and pregnancy	v can cause temporary eleva	ations. Iline, and vitamin A can increase ESR, while

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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NME       : Mr. AMIT KUMAR         AGE/ GENDER       : 41 YRS/MALE       PATIENT ID       : 1808295         COLLECTED BY       : SURJESH       REG. NO,/LAB NO,       : 012503270052         REFERRED BY       :       . 27/Mar/2025 12:47 PM         BARCODE NO.       : 01527884       COLLECTION DATE       : 27/Mar/2025 12:45 PM         CLIENT CODE       : KOS DIAGNOSTIC LAB       REPORTING DATE       : 27/Mar/2025 02:48 PM         CLIENT ADDRESS       : 6349/1, NICHOLSON ROAD, AMBALA CANTT       ::       :         Test Name       Value       Unit       Biological Reference interval         CLIENT CODE       : 6349/1, NICHOLSON ROAD, AMBALA CANTT       ::       :         Test Name       Value       Unit       Biological Reference interval         GLUCOSE FASTING (F): PLASMA       110.65 <sup>H</sup> mg/dL       NORMAL: < 100.0         by GLUCOSE OXIDASE - PEROXIDASE (gOD-POD)       110.65 <sup>H</sup> mg/dL       NORMAL: < 100.0         THERPERTATION       Indestres ASSOCIATION GUDELINES:       1.4 Sating plasma glucose level bolow 100 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 al sucose intolerant or prediabetic. A fasting and post-prandial is strongly recommended for al sucose intolerant or prediabetic state.         1. A fasting plasma g		М	O <b>r. Vinay Cho</b> D (Pathology & hairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
GLUCOSE FASTING (F)         GLUCOSE FASTING (F)         GLUCOSE FASTING (F):         GLUCOSE FASTING (F):         More that the second of the s	AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE.	: 41 YRS/MALE : SURJESH : : 01527884 : KOS DIAGNOS	TIC LAB	REG REG COI REF	G. NO./LAB NO. GISTRATION DATE LLECTION DATE	: <b>012503270052</b> : 27/Mar/2025 12:47 PM : 27/Mar/2025 12:56PM
GLUCOSE FASTING (F):         GLUCOSE FASTING (F): PLASMA by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD)       110.65 <sup>H</sup> mg/dL       NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0         INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.	Test Name			Value	Unit	<b>Biological Reference interval</b>
	by GLUCOSE OXIDAS		DD-POD)	110.65 <sup>H</sup>	mg/dL	PREDIABETIC: 100.0 - 125.0
	by GLUCOSE OXIDAS <u>INTERPRETATION</u> IN ACCORDANCE WIT 1. A fasting plasma g 2. A fasting plasma g test (after consumpt	H AMERICAN DIAB llucose level below llucose level betwe ion of 75 ams of al	ETES ASSOCIATION 100 mg/dl is co een 100 - 125 m ucose) is recom	<b>ON GUIDELINES:</b> onsidered normal. g/dl is considered as mended for all such t	glucose intolerant or optients.	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 prediabetic. A fasting and post-prandial blood
	by GLUCOSE OXIDAS INTERPRETATION IN ACCORDANCE WIT 1. A fasting plasma g 2. A fasting plasma g test (after consumpt	H AMERICAN DIAB llucose level below llucose level betwe ion of 75 ams of al	ETES ASSOCIATION 100 mg/dl is co een 100 - 125 m ucose) is recom	<b>ON GUIDELINES:</b> onsidered normal. g/dl is considered as mended for all such t	glucose intolerant or optients.	PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0 prediabetic. A fasting and post-prandial blood





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BARCODE NO.	: 01527884	C	COLLECTION DATE	: 27/Mar/2025 12:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	F	REPORTING DATE	: 27/Mar/2025 03:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROF	FILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL 07		106.87	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
TRIGLYCERIDES: by GLYCEROL PHOSE	SERUM PHATE OXIDASE (ENZYMATIC)	34.64	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTER( by SELECTIVE INHIBIT	DL (DIRECT): SERUM 70N	24.81 <sup>L</sup>	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERC by CALCULATED, SPE		75.13	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES by CALCULATED, SPE		82.06	mg/dL	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0
VLDL CHOLESTER		6.93	mg/dL	VERY HIGH: > OR = 220.0 0.00 - 45.00
TOTAL LIPIDS: SE by CALCULATED, SPE	RUM	248.38 <sup>L</sup>	mg/dL	350.00 - 700.00
CHOLESTEROL/HI by CALCULATED, SPE		4.31	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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BARCODE NO.	: 01527884	COLL	ECTION DATE	: 27/Mar/2025 12:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 27/Mar/2025 03:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		3.03 <sup>H</sup>	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	1.4 <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.

 Cow HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 27/Mar/2025 04:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	LIVER I	FUNCTIO	N TEST (COMPLETE	)
BILIRUBIN TOTAL	: SERUM PECTROPHOTOMETRY	5.25 <sup>H</sup>	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM	3.72 <sup>H</sup>	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	ECT (UNCONJUGATED): SERUM	1.53 <sup>H</sup>	mg/dL	0.10 - 1.00
SGOT/AST: SERUN	I RIDOXAL PHOSPHATE	110.6 <sup>H</sup>	U/L	7.00 - 45.00
SGPT/ALT: SERUM		35.4	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	3.12	RATIO	0.00 - 46.00
ALKALINE PHOSP		286.39 <sup>H</sup>	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUI	M 46.54	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO		6.09 <sup>L</sup>	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		2.95 <sup>L</sup>	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	Ν	3.14	gm/dL	2.30 - 3.50
A : G RATIO: SERU	JM	0.94 <sup>L</sup>	RATIO	1.00 - 2.00
NOTE 2		RESULT	RECHECKED TWICE	
ADVICE		KINDLY	Y CORRELATE CLINIC	ALLY

## **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)





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	<b>Dr. Vinay Chop</b> MD (Pathology & M Chairman & Consul	licrobiology) MD	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. AMIT KUMAR		
AGE/ GENDER	: 41 YRS/MALE	PATIENT ID	: 1808295
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012503270052
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 27/Mar/2025 12:47 PM
BARCODE NO.	: 01527884	COLLECTION DATE	: 27/Mar/2025 12:56PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 27/Mar/2025 04:53PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	
Test Name		Value Unit	<b>Biological Reference interval</b>
CIRRHOSIS		1.4 - 2.0	

INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)
DECDE ACED.	

#### DECREASED:

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

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

# PROGNOSTIC SIGNIFICANCE:

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

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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 27/Mar/2025 03:44PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANT	Т	
Test Name		Value	Unit	Biological Reference interva
	KIDNEY	<b>FUNCTI</b>	ON TEST (COMPLET)	E)
UREA: SERUM		13.84	mg/dL	10.00 - 50.00
	NATE DEHYDROGENASE (GLDH)	0.0		0.40 1.40
CREATININE: SER	-	0.9	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	6.47 <sup>L</sup>	mg/dL	7.0 - 25.0
by CALCULATED, SPE BLOOD UREA NIT	ROGEN (BUN)/CREATININE	7.19 <sup>L</sup>	RATIO	10.0 - 20.0
RATIO: SERUM		7.13	\	
by CALCULATED, SPE UREA/CREATININ	ECTROPHOTOMETRY E RATIO: SERUM	15.38	RATIO	
by CALCULATED, SPE		15.50	KAHO	
URIC ACID: SERUN		4.06	mg/dL	3.60 - 7.70
by URICASE - OXIDAS CALCIUM: SERUM		10.03	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	ECTROPHOTOMETRY			
PHOSPHOROUS: S	ERUM DATE, SPECTROPHOTOMETRY	3.33	mg/dL	2.30 - 4.70
ELECTROLYTES	SATE, OF ECHNOLING TOMETRY			
SODIUM: SERUM		137.52	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		1.2	1.07	2.50 5.00
POTASSIUM: SERU		4.2	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	M	103.14	mmol/L	90.0 - 110.0
	MERULAR FILTERATION RATE	<u>E</u>		
	MERULAR FILTERATION RATE	- 110		
(eGFR): SERUM				
by CALCULATED INTERPRETATION:				
	yoon pro, and post ronal azotomia			

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.



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT	
Test Name		Value Ur	it Biological Reference interval
) Droronal azotomia (	superimposed on renal diseas	Se.	
DECREASED RATIO (<10 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamn	osis. d starvation. : :reased urea synthesis. urea rather than creatinine d nonemias (urea is virtually al		
DECREASED RATIO (<10 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamr 7. SIADH (syndrome of 8. Pregnancy.	osis. d starvation. : :reased urea synthesis. urea rather than creatinine d nonemias (urea is virtually at f inappropiate antidiuretic ha	osent in blood). Irmone) due to tubular secretion of urea	а.
DECREASED RATIO (<10 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamr 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<10 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v	osis. d starvation. creased urea synthesis. urea rather than creatinine d nonemias (urea is virtually at f inappropiate antidiuretic ha <b>0:1) WITH INCREASED CREATII</b> by (accelerates conversion of eleases muscle creatinine). vho develop renal failure.	osent in blood). Irmone) due to tubular secretion of urea NINE:	а.
DECREASED RATIO (<10 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamm 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<10 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO: 1. Diabetic ketoacidos should produce an inc 2. Cephalosporin therap	bsis. d starvation. creased urea synthesis. urea rather than creatinine d nonemias (urea is virtually at f inappropiate antidiuretic ha <b>0:1) WITH INCREASED CREATII</b> by (accelerates conversion of eleases muscle creatinine). who develop renal failure. is (acetoacetate causes false reased BUN/creatinine ratio), apy (interferes with creatining	osent in blood). Irmone) due to tubular secretion of urea NINE: creatine to creatinine). increase in creatinine with certain met ).	a. thodologies,resulting in normal ratio when dehydratio
DECREASED RATIO (<10 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (t 6. Inherited hyperamr 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<10 1. Phenacimide therap 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO: 1. Diabetic ketoacidos should produce an inc 2. Cephalosporin therap	osis. d starvation. creased urea synthesis. urea rather than creatinine d nonemias (urea is virtually at f inappropiate antidiuretic ha <b>D:1) WITH INCREASED CREATII</b> by (accelerates conversion of eleases muscle creatinine). who develop renal failure. is (acetoacetate causes false reased BUN/creatinine ratio)	osent in blood). Irmone) due to tubular secretion of urea NINE: creatine to creatinine). increase in creatinine with certain met ). e measurement). N GFR ( mL/min/1.73m2 )	

CKD STAGE	DESCRIPTION	GFR ( mL/min/ 1./3mZ )	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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAI	LA CANTT	
Test Name		Value Unit	<b>Biological Reference interval</b>

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	<b>Biological Reference interv</b>
		IRON PH	ROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	64.4	μg/dL	59.0 - 158.0
by FERROZINE, SPEC UNSATURATED IR :SERUM	ON BINDING CAPACITY (UIBC)	64.4 332.2	μg/dL μg/dL	59.0 - 158.0 150.0 - 336.0
by FERROZINE, SPEC UNSATURATED IN SERUM by FERROZINE, SPEC TOTAL IRON BINI SERUM	CON BINDING CAPACITY (UIBC) TROPHOTOMETERY DING CAPACITY (TIBC)			
by FERROZINE, SPEC UNSATURATED IR SERUM by FERROZINE, SPEC TOTAL IRON BINI SERUM by SPECTROPHOTOM % TRANSFERRIN S	CON BINDING CAPACITY (UIBC) TROPHOTOMETERY DING CAPACITY (TIBC)	332.2	μg/dL	150.0 - 336.0

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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		<b>Chopra</b> gy & Microbiology) Consultant Pathologi	Ň	am Chopra ID (Pathology) ant Pathologist
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Test Name		Value	Unit	Biological Reference interva
	,		RINOLOGY CTION TEST: TOTA	
TRIIODOTHYRON		1.396	ng/mL	
THYROXINE (T4):		4.49 <sup>L</sup>	μgm/d	L 4.87 - 12.60
	ATING HORMONE (TSH)		μIU/m	L 0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:	RASENSITIVE			
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentration	ns. TSH stimulates the pr	roduction and secretion of the	<i>D pm. The variation is of the order of 50%.Hence time of</i> e metabolically active hormones, thyroxine (T4)and ther underproduction (hypothyroidism) or
CLINICAL CONDITION	Т3		T4	TSH
Primary Hypothyroidis			Reduced	Increased (Significantly)
Subclinical Hypothyroi	dism: Normal or	Low Normal	Normal or Low Normal	High

T	IM	ΙΤΑΤ	'ION	IS

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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.

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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 (e.g.: phenytoin , salicylates).

3. Serum T4 levels 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 hypothyroidism, pregnancy, phenytoin therapy.

TRIIODOTH	YRONINE (T3)	THYROX	INE (T4)	THYROID STIMU	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

Increased

Normal or High Normal





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Test Name			Value	Unit	t	<b>Biological Reference interval</b>
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	
	RECON	IMENDATIONS OF TSH LI	EVELS DURING PRE	GNANCY ( 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, iodine 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 goiter & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic 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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CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTI	2	
Test Name		Value	Unit	Biological Reference interval
		VII	AMINS	
			'AMINS YDROXY VITAMIN D	3
	YDROXY VITAMIN D ESCENCE IMMUNOASSAY)	VITAMIN D/25 HY		DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMIN INTERPRETATION:	ESCENCE IMMUNOASSAY)	<b>VITAMIN D/25 HY</b> 3): SERUM <b>17.1</b> <sup>L</sup>	Y <b>DROXY VITAMIN D</b> ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
by CLIA (CHEMILUMIN INTERPRETATION: DEFI		VITAMIN D/25 HY	Z <b>DROXY VITAMIN D</b> ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

	=: =;
PREFFERED RANGE:	30 - 100
INTOXICATION:	> 100

ng/mL 1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

2.25-OH--Vitamin D represents the main body resevoir and transport form of Vitamin D and transport form of Vitamin D, being stored in adipose tissue and tightly bound by a transport protein while in circulation.

3. Vitamin D plays a primary role in the maintenance of calcium homeostatis. It promotes calcium absorption, renal calcium absorption and phosphate reabsorption, skeletal calcium deposition, calcium mobilization, mainly regulated by parathyroid harmone (PTH). 4. Severe deficiency may lead to failure to mineralize newly formed osteoid in bone, resulting in rickets in children and osteomalacia in adults. DECREASED:

1.Lack of sunshine exposure.

2.Inadequate intake, malabsorption (celiac disease) 3.Depressed Hepatic Vitamin D 25- hydroxylase activity

4.Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

INCREASED: 1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in severe hypercalcemia and hyperphophatemia.

CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.



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

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	<b>Dr. Vinay Chopra</b> MD (Pathology & Micro Chairman & Consultant		Dr. Yugam MD CEO & Consultant	(Pathology)			
NAME	: Mr. AMIT KUMAR						
AGE/ GENDER	: 41 YRS/MALE	PA	TIENT ID	: 1808295			
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012503270052			
REFERRED BY	:	REG	<b>SISTRATION DATE</b>	: 27/Mar/2025 12:47 PM			
BARCODE NO.	:01527884		LECTION DATE	: 27/Mar/2025 12:56PM			
CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 27/Mar/2025 03:11PM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,						
Test Name		Value	Unit	<b>Biological Reference interval</b>			
INTERPRETATION:-	ALAMIN: SEKUM IESCENT MICROPARTICLE IMMUNOA	1273 <sup>H</sup>	pg/mL	190.0 - 890.0			
1.Ingestion of Vitan		1.Pregnancy	DEGREASED VITAMI				
2.Ingestion of Estrogen		2.DRUGS:As	2.DRUGS:Aspirin, Anti-convulsants, Colchicine				
	Ingestion of Vitamin A Hepatocellular injury Myeloproliferative disorder		3.Ethanol Igestion				
			4. Contraceptive Harmones 5.Haemodialysis				
6.Uremia		6. Multiple N					
2.In humans, it is ob 3.The body uses its v excreted.	ency may be due to lack of IF sec l intestinal diseases).	s and requires intrinsi cally, reabsorbing vitar retion by gastric mucc ic anemia, glossitis, p	c factor (IF) for absorp nin B12 from the ileun isa (eg, gastrectomy, g eripheral neuropathy,	tion. n and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (eg weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have			





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		Chopra y & Microbiology) consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)		
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	RH	EPORTING DATE	: 27/Mar/2025 02:19PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT				
Test Name		Value	Unit	Biological Reference interva		
	CLINICAL PATHOLOGY					
	URINE RO	OUTINE & MICRO	OSCOPIC EXAMI	NATION		
PHYSICAL EXAM	INATION					
QUANTITY RECIE	VED STANCE SPECTROPHOTOMETRY	10	ml			
COLOUR		AMBER YEL	LOW	PALE YELLOW		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR		
	TANCE SPECTROPHOTOMETRY	CLEAK		CLEAR		
SPECIFIC GRAVIT		<=1.005		1.002 - 1.030		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY					
REACTION		ALKALINE				
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY					
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
SUGAR	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
	CTANCE SPECTROPHOTOMETRY					
pH	TANCE SPECTROPHOTOMETRY	7.5		5.0 - 7.5		
BILIRUBIN	TANGE SPECINOPHOTOMETRY	Negative		NEGATIVE (-ve)		
	CTANCE SPECTROPHOTOMETRY					
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)		
UROBILINOGEN		Normal	EU/dL	0.2 - 1.0		
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY					
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)		
BLOOD		Negative		NEGATIVE (-ve)		
	CTANCE SPECTROPHOTOMETRY					
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE	(-ve)	NEGATIVE (-ve)		
Sy Dir GHORVREPLEC	TANGE OF LOTTOFTIOTOWETRY					

MICROSCOPIC EXAMINATION



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MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELI	S (RBCs) CENTRIFUGED URINARY SEDIMENT	Value NEGATIVE (-ve)	Unit /HPF	<b>Biological Reference interval</b> 0 - 3	
RED BLOOD CELL by MICROSCOPY ON PUS CELLS	. ,			0	
RED BLOOD CELI by MICROSCOPY ON PUS CELLS by MICROSCOPY ON EPITHELIAL CELI	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3	
RED BLOOD CELL by MICROSCOPY ON PUS CELLS by MICROSCOPY ON EPITHELIAL CELL by MICROSCOPY ON CRYSTALS	CENTRIFUGED URINARY SEDIMENT CENTRIFUGED URINARY SEDIMENT S	NEGATIVE (-ve) 2-4	/HPF /HPF	0 - 3 0 - 5	

KED BLOOD CELLS (KBCS)	NEGATIVE (-ve)	/HPF	0 = 3
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	2-4	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS	1-3	/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	1.201111.2(10)		
OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
	ADSENIT		ADCENT
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT

TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

End Of Report





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