



Dr. Vinay Chop MD (Pathology & Mid Chairman & Consulta	crobiology)		(Pathology)
NAME : Mr. YOGESH			
AGE/ GENDER : 46 YRS/MALE		PATIENT ID	: 1665132
COLLECTED BY : SURJESH		REG. NO./LAB NO.	:012411080014
REFERRED BY :		REGISTRATION DATE	: 08/Nov/2024 09:40 AM
BARCODE NO. : 01520344		COLLECTION DATE	:08/Nov/202409:53AM
CLIENT CODE. : KOS DIAGNOSTIC LAB		REPORTING DATE	: 08/Nov/2024 10:07AM
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AM	BALA CANT".	ſ	
Test Name	Value	Unit	Biological Reference interval
		ELLNESS PANEL: 1.5 LOOD COUNT (CBC)	
HAEMOGLOBIN (HB)	15	gm/dL	12.0 - 17.0
by CALORIMETRIC		Ũ	
RED BLOOD CELL (RBC) COUNT by Hydro Dynamic Focusing, electrical impedence	5.48 ^H	Millions/	cmm 3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	48.7	%	40.0 - 54.0
MEAN CORPUSCULAR VOLUME (MCV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	88.8	fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	27.3	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLOBIN CONC. (MCHC) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	30.8 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH (RDW-CV) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	14.8	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH (RDW-SD) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	49.4	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	16.2	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	23.92	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (WBCS)	00.10		
TOTAL LEUCOCYTE COUNT (TLC) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6840	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLOOD CELLS (nRBCS) % by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

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Test Name		Value	Unit	Biological Reference interval
DIFFERENTIAL LE	UCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	47 ^L	%	50 - 70
LYMPHOCYTES	Y BY SE CUBE & MICROSCOPY	40 ^H	%	20 - 40

LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	40 ^H	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	7	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	3215	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2736	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	410	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	479	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
ABSOLUTE IMMATURE GRANULOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0.0 - 999.0
PLATELETS AND OTHER PLATELET PREDICTIVE M	<u>IARKERS.</u>		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	297000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.31	%	0.10 - 0.36
MEAN 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	91000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	30.7	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	16.2	%	15.0 - 17.0



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Test Name	V	alue Unit	Biological Reference interval

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT			
Test Name		Value	Unit	Biological Refer	ence interva
			AEMOGLOBIN (HBA1)		
WHOLE BLOOD	EMOGLOBIN (HbA1c):	6	%	4.0 - 6.4	
ESTIMATED AVERA	GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	125.5	mg/dL	60.00 - 140.00	
INTERPRETATION:	AS PER AMERICAN D	IABETES ASSOC	IATION (ADA):		
	REFERENCE GROUP		LYCOSYLATED HEMOGLOGIB	(HBAIC) in %	
Non dia	abetic Adults >= 18 years		<5.7		
	t Risk (Prediabetes)		5.7 - 6.4		
D	iagnosing Diabetes		>= 6.5		
			Age > 19 Years		
These is	in analy for all seconds and the		s of Therapy:	< 7.0	
inerapeut	ic goals for glycemic control	Action	ns Suggested:	>8.0	
		0	Age < 19 Years	7 5	
		GOa	l of therapy:	<7.5	

COMMENTS:

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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETR	7	mm/1st	hr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LO A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected	does not tell the health practition cted by other conditions besides be used to monitor disease activi ematosus W ESR n with conditions that inhibit the nificantly high white blood cell co e cell anaemia) also lower the ES e protein (C-RP) are both markers is not change as rapidly as does C by as many other factors as is ESF	ner exactly where the inflammation. For the ty and response to normal sedimentat unt (leucocytosis), R. of inflammation. RP, either at the sta 3, making it a better	te inflammation is in th his reason, the ESR is ty therapy in both of the a ion of red blood cells, s and some protein abno rt of inflammation or a marker of inflammatio	tion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such above diseases as well as some others, such as such as a high red blood cell count formalities. Some changes in red cell shape (such s it resolves. n .
. Women tend to ha . Drugs such as dext	ed, it is typically a result of two ty ve a higher ESR, and menstruatio ran, methyldopa, oral contracept d quinine may decrease it	n and pregnancy car	n cause temporary eleva	ations. Illine, and vitamin A can increase ESR, while





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CLIENT CODE.	: KOS DIAGNOSTIC I	AB	REPORTING DATE	:08/Nov/2024 11:57AM
CLIENT ADDRESS	: 6349/1, NICHOLSC	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMIS	TRY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	
		131 ^H	mg/dL	NORMAL: < 100.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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LIENT CODE.	: KOS DIAGNOSTIC LAB	F	REPORTING DATE	:08/Nov/2024 10:50AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO	TAL: SERUM	175.8	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX	IDASE PAP		0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
RIGLYCERIDES: S		151.44 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
	(DIDECT), CEDIM	00 57	Ib / a	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0
by SELECTIVE INHIBIT	L (DIRECT): SERUM	36.57	mg/dL	BORDERLINE HIGH HDL: 30.0
				60.0
.DL CHOLESTEROI	CEDUM	108.94	mg/dI	HIGH HDL: > OR = 60.0 OPTIMAL: < 100.0
by CALCULATED, SPE		108.94	mg/dL	ABOVE OPTIMAL: < 100.0 - 129
				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST		139.23 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CIROPHOTOMETRY			ABOVE OPTIMAL: 130.0 - 159 BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
LDL CHOLESTER	DL: SERUM	30.29	mg/dL	0.00 - 45.00
by CALCULATED, SPE	CTROPHOTOMETRY			
TOTAL LIPIDS: SER by CALCULATED, SPE		503.04	mg/dL	350.00 - 700.00
CHOLESTEROL/HD		4.81 ^H	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	G I ROPHO I OME IRY			AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.98	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		4.14	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.

 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.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

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





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Test Name		Value	Unit	Biological Reference interval
BILIRUBIN TOTAL		FUNCTION 7 0.66	FEST (COMPLETE) mg/dL	INFANT: 0.20 - 8.00
BILIRUBIN DIRECT	C (CONJUGATED): SERUM	0.15	mg/dL	ADULT: 0.00 - 1.20 0.00 - 0.40
BILIRUBIN INDIRE	CCT (UNCONJUGATED): SERUM	0.51	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	22.1	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	18.5	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		1.19	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	76.49	U/L	40.0 - 130.0
CAMMA CLUTAMY	TRANSFERASE (CCT) · SERUM	30.87	11/1	0.00 - 55.0

Dr Vinay Chopra

GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 30.87 U/L 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.75 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 4.23 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 2.52 gm/dL 2.30 - 3.50 by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.68 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
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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test performed at kos diagnostic lab, ambala cantt





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DECREASED:

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

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

PROGNOSTIC SIGNIFICANCE:

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



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		Dr. Vinay Cho MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)	
NAME	: Mr. YOGES	Н				
AGE/ GENDER	: 46 YRS/MA	LE		PATIENT ID	: 1665132	
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:012411080014	
REFERRED BY	:			REGISTRATION DATE	: 08/Nov/2024 09:40 AM	
BARCODE NO.	:01520344			COLLECTION DATE	:08/Nov/2024 09:53AM	
CLIENT CODE.	: KOS DIAGN	OSTIC LAB		REPORTING DATE	:08/Nov/2024 10:50AM	
CLIENT ADDRESS	: 6349/1, NIO	CHOLSON ROAD, A	MBALA CANTT			
Test Name			Value	Unit	Biological Referen	ice interval
		KIDN	EY FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAM			25.36	mg/dL	10.00 - 50.00	
CREATININE: SERU	M		1.22	mg/dL	0.40 - 1.40	
BLOOD UREA NITRO	OGEN (BUN):	SERUM	11.85	mg/dL	7.0 - 25.0	
BLOOD UREA NITR RATIO: SERUM	OGEN (BUN)	CREATININE	9.71 ^L	RATIO	10.0 - 20.0	
by CALCULATED, SPEC UREA/CREATININE by CALCULATED, SPEC	E RATIO: SER	UM	20.79	RATIO		
URIC ACID: SERUM by URICASE - OXIDASE	= PEROXIDASE		4.34	mg/dL	3.60 - 7.70	
CALCIUM: SERUM by ARSENAZO III, SPEC			9.59	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE by PHOSPHOMOLYBD	RUM		3.29	mg/dL	2.30 - 4.70	
ELECTROLYTES						
SODIUM: SERUM by ISE (ION SELECTIVE	E ELECTRODE)		142.8	mmol/L	135.0 - 150.0	
POTASSIUM: SERUN by ISE (ION SELECTIVE	Л		4.69	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM by ISE (ION SELECTIVE			107.1	mmol/L	90.0 - 110.0	
ESTIMATED GLOM	ERULAR FIL	FERATION RATI	E			
ESTIMATED GLOME (eGFR): SERUM by CALCULATED	ERULAR FILT	ERATION RATE	74			

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

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

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

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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

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	MD	Vinay Chopra (Pathology & Microb rman & Consultant F	iology)	Yugam Choj MD (Pathole onsultant Pathole	ogy)		
NAME	: Mr. YOGESH						
AGE/ GENDER	: 46 YRS/MALE		PATIENT ID	: 166	35132		
COLLECTED BY	: SURJESH		REG. NO./LAB NO	· · 01	2411080014		
REFERRED BY	. SOIWESH						
			REGISTRATION I		'Nov/2024 09:		
BARCODE NO.	: 01520344		COLLECTION DAT		'Nov/2024 09:		
CLIENT CODE.	: KOS DIAGNOSTI		REPORTING DAT	E : 08/	'Nov/2024 10:	:50AM	
CLIENT ADDRESS	: 6349/1, NICHOL	SON ROAD, AMBAL	A CANTT				
Test Name		V	alue Uı	nit	Biologica	al Reference	interval
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises dispropo	CREATININE LEVELS	: n creatinine) (e.g. obstructiv	e uropathy).			
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 1. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (re 3. Muscular patients o INAPPROPIATE RATIO 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion 0:1) WITH DECREASE oreased urea synthe urea rather than creation (urea rather than creation) (urea rather than creation (urea rather than creation) (urea rather than	orticoids) CREATININE LEVELS ortionately more that nal disease. D BUN : sis. eatinine diffuses out irtually absent in bloch iuretic harmone) du D CREATININE: version of creatine to tinine). ailure. uses false increase in hine ratio). creatinine measurer ITE: SCRIPTION kidney function	n creatinine) (e.g. obstructiv of extracellular fluid). bod). e to tubular secretion of ure o creatinine). n creatinine with certain me	a. thodologies,res ASSOCIATE	D FINDINGS oteinuria	nal ratio when	n dehydrat
 Certain drugs (e.g., NCREASED RATIO (>2/ 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 4. Acute tubular necro 2. Low protein diet an 3. Severe liver disease 4. Other causes of der 5. Repeated dialysis (re 6. Inherited hyperami 7. SIADH (syndrome o 3. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (re 3. Muscular patients o 5. Muscular patients o 5. Muscular patients o 5. Diabetic ketoacidos 5. Dould produce an ind 2. Cephalosporin ther 5. STIMATED GLOMERU 0. CKD STAGE 	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion 0:1) WITH DECREASE oreased urea synthe urea rather than creation (urea rather than creation) (urea rather than creation (urea rather than creation (urea rather than creation) (urea rather than c	orticoids) CREATININE LEVELS ortionately more that nal disease. D BUN : sis. eatinine diffuses out irtually absent in bloch iuretic harmone) du D CREATININE: rersion of creatine to tinine). ailure. uses false increase in hine ratio). creatinine measurer TE: SCRIPTION kidney function y damage with	n creatinine) (e.g. obstructiv of extracellular fluid). bod). e to tubular secretion of ure o creatinine). n creatinine with certain me ment). GFR (mL/min/1.73m2)	a. thodologies,res ASSOCIATE No pro Presence	D FINDINGS oteinuria of Protein ,	nal ratio when	n dehydrat
 P. Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet an Severe liver disease Other causes of dec Repeated dialysis (i Inherited hyperamin SIADH (syndrome o Pregnancy. DECREASED RATIO (<1 Phenacimide therap Rhabdomyolysis (ref Muscular patients v IDabetic ketoacidos should produce an ind Cephalosporin ther ESTIMATED GLOMERU G1 G2 	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN rises disproportion (BUN PERSENTION (CONTREMENTION (CON	orticoids) CREATININE LEVELS ortionately more that nal disease. D BUN : sis. eatinine diffuses out irtually absent in bloch iuretic harmone) du D CREATININE: version of creatine to tinine). ailure. uses false increase in nine ratio). creatinine measurer TE: SCRIPTION kidney function y damage with al or high GFR	n creatinine) (e.g. obstructiv of extracellular fluid). bod). e to tubular secretion of ure o creatinine). n creatinine with certain me ment). GFR (mL/min/1.73m2) >90 >90	a. thodologies,res ASSOCIATE No pro Presence	D FINDINGS oteinuria	nal ratio when	n dehydrat
 P. Certain drugs (e.g. INCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Prerenal azotemia Prerenal azotemia DECREASED RATIO (<1 Acute tubular necro Low protein diet an Severe liver disease Other causes of dec Repeated dialysis (i Inherited hyperamin SIADH (syndrome o Pregnancy. DECREASED RATIO (<1 Phenacimide therap Rhabdomyolysis (ref Muscular patients vi inAPPROPIATE RATIO Cephalosporin there ESTIMATED GLOMERU CKD STAGE G1 G2 	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises disproportion (BUN rises disproportion (Interferent and Content and	orticoids) CREATININE LEVELS ortionately more than nal disease. D BUN : sis. eatinine diffuses out irtually absent in bloch iuretic harmone) du D CREATININE: rersion of creatine to tinine). ailure. uses false increase in nine ratio). creatinine measurer TE: SCRIPTION kidney function / damage with al or high GFR ecrease in GFR	n creatinine) (e.g. obstructiv of extracellular fluid). bod). e to tubular secretion of ure o creatinine). n creatinine with certain me ment). GFR (mL/min/1.73m2) >90 >90 60 -89	a. thodologies,res ASSOCIATE No pro Presence	D FINDINGS oteinuria of Protein ,	nal ratio when	n dehydrat
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia 3. Prerenal azotemia 4. Acute tubular necro 5. Low protein diet an 3. Severe liver disease 4. Other causes of dec 5. Repeated dialysis (i 6. Inherited hyperami 7. SIADH (syndrome o 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (re 3. Muscular patients v INAPPROPIATE RATIO 2. Cephalosporin ther ESTIMATED GLOMERU CKD STAGE G1 G2	tetracycline, glucoco 0:1) WITH ELEVATED (BUN rises disproportion (BUN rises disproportion (Interferent and	orticoids) CREATININE LEVELS ortionately more that nal disease. D BUN : sis. eatinine diffuses out irtually absent in bloch iuretic harmone) du D CREATININE: version of creatine to tinine). ailure. uses false increase in nine ratio). creatinine measurer TE: SCRIPTION kidney function y damage with al or high GFR	n creatinine) (e.g. obstructiv of extracellular fluid). bod). e to tubular secretion of ure o creatinine). n creatinine with certain me ment). GFR (mL/min/1.73m2) >90 >90	a. thodologies,res ASSOCIATE No pro Presence	D FINDINGS oteinuria of Protein ,	nal ratio when	n dehydrat



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	Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant I	iology) ME	m Chopra D (Pathology) ht Pathologist
NAME	: Mr. YOGESH		
AGE/ GENDER	: 46 YRS/MALE	PATIENT ID	: 1665132
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411080014
REFERRED BY	:	REGISTRATION DATE	: 08/Nov/2024 09:40 AM
BARCODE NO.	: 01520344	COLLECTION DATE	: 08/Nov/2024 09:53AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:08/Nov/2024 10:50AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Name	V	alue Unit	Biological Reference interval

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

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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%

IRON DEFICIENCY ANEMIA

Reduced

Increased

Decreased < 12-15 %

Decreased

mg/dL

15.0 - 50.0

200.0 - 350.0

THALASSEMIA α/β TRAIT

Normal

Normal

Normal

Normal or Increased

	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. YOGESH			
AGE/ GENDER	: 46 YRS/MALE	PA	TIENT ID	: 1665132
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012411080014
REFERRED BY	:	RE	GISTRATION DATE	: 08/Nov/2024 09:40 AM
BARCODE NO.	: 01520344	CO	LLECTION DATE	: 08/Nov/2024 09:53AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 08/Nov/2024 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON PR	OFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	165.7 ^H	μg/dL	59.0 - 158.0
UNSATURATED IR :SERUM by FERROZINE, SPEC	ON BINDING CAPACITY (UIBC)	30.91 ^L	µg/dL	150.0 - 336.0
•	ING CAPACITY (TIBC)	196.61 ^L	µg/dL	230 - 430

84.28^H

139.59^L

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.

2. 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):

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

ANEMIA OF CHRONIC DISEASE

Normal to Reduced

Decreased

Decreased

Normal to Increased

% TRANSFERRIN SATURATION:

by SPECTROPHOTOMETERY

TRANSFERRIN: SERUM

INTERPRETATION:-

IRON:

%TRANSFERRIN SATURATION: SERUM

by SPECTROPHOTOMETERY (FERENE)

VARIABLES

SERUM IRON:

TOTAL IRON BINDING CAPACITY:

% TRANSFERRIN SATURATION:

SERUM FERRITIN:

by CALCULATED, SPECTROPHOTOMETERY (FERENE)

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





Mr. YOGESH 46 YRS/MALE SURJESH		PATIENT ID	: 1665132
		PATIENT ID	: 1665132
SURJESH			
		REG. NO./LAB NO.	: 012411080014
		REGISTRATION DATE	: 08/Nov/2024 09:40 AM
01520344		COLLECTION DATE	: 08/Nov/2024 09:53AM
KOS DIAGNOSTIC LAB		REPORTING DATE	:08/Nov/2024 10:50AM
6349/1, NICHOLSON ROAD, AME	3ALA CANTT		
	Value	Unit	Biological Reference interva
	ENDOCI	RINOLOGY	
THYR	OID FUNC	TION TEST: TOTAL	
	0.968	ng/mL	0.35 - 1.93
	8.72 n	µgm/dL	4.87 - 12.60
	2.071	µIU/mL	0.35 - 5.50
CENT MICROPARTICLE IMMUNOASSAY)		
SENSITIVE			
DENSITIVE			
ndian variation, reaching peak levels betv	veen 2-4 a.m and	d at a minimum between 6-10 pr	m. The variation is of the order of 50%.Hence time of t etabolically active hormones, thyroxine (T4)and
	THYR (T3): SERUM Cent microparticle immunoassay RUM Cent microparticle immunoassay NG HORMONE (TSH): SERUM	KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, AMBALA CANTT Value ENDOCI THYROID FUNC (T3): SERUM 0.968 CENT MICROPARTICLE IMMUNOASSAY) RUM 8.72 CENT MICROPARTICLE IMMUNOASSAY) NG HORMONE (TSH): SERUM 2.071	KOS DIAGNOSTIC LABREPORTING DATE6349/1, NICHOLSON ROAD, AMBALA CANTT6349/1, NICHOLSON ROAD, AMBALA CANTTValueUnitUNITENDOCRINOLOGY(T3): SERUM (CANT MICROPARTICLE IMMUNOASSAY)0.968ng/mLRUM CENT MICROPARTICLE IMMUNOASSAY)8.72µgm/dLNG HORMONE (TSH): SERUM (TSH): SERUM2.071µIU/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 (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	LATING 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
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00





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NAME	: Mr. YOGESH		
AGE/ GENDER	: 46 YRS/MALE	PATIENT ID	: 1665132
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411080014
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	Г	

Test Name			Value	Unit	t	Biological Reference interval
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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	MD (Patho	y Chopra Ilogy & Microbiology) & Consultant Pathologis		(Pathology)
NAME	: Mr. YOGESH			
AGE/ GENDER	: 46 YRS/MALE		PATIENT ID	: 1665132
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411080014
	. 50101511			
REFERRED BY	:		REGISTRATION DATE	: 08/Nov/2024 09:40 AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON F	COAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			AMINS	
		VITAMIN D/25 HY	YDROXY VITAMIN D	3
	DROXY VITAMIN D3): SI	ERUM 19.6 ^L	ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMIN	ESCENCE IMMUNOASSAY)			INSUFFICIENCY: 20.0 - 30.0
				SUFFICIENCY: 30.0 - 100.0
INTERPRETATION:				TOXICITY: > 100.0
	CIENT:	< 20	n	g/mL
	FICIENT:	21 - 29		g/mL
	ED RANGE:	30 - 100		g/mL
	CATION:	> 100		g/mL lecalciferol (from animals, Vitamin D3), or by
tissue and tightly bou 3. Vitamin D plays a p boosphate reabsorpt 4. Severe deficiency n DECREASED: 1. Lack of sunshine ex 2. Inadequate intake, 3. Depressed Hepatic 4. Secondary to advar 5. Osteoporosis and S 6. Enzyme Inducing dr INCREASED: 1. Hypervitaminosis I severe hypercalcemia CAUTION: Replaceme hypervitaminosis D	und by a transport protein rimary role in the mainter ion, skeletal calcium depo nay lead to failure to mine posure. malabsorption (celiac disk Vitamin D 25- hydroxylase econdary Hyperparathroic rugs: anti-epileptic drugs li D is Rare, and is seen only a a and hyperphophatemia. ent therapy in deficient ind <i>individuals as compare to w</i>	while in circulation. hance of calcium homeo sition, calcium mobiliza ralize newly formed ost ease) activity lism (Mild to Moderate ke phenytoin, phenoba after prolonged exposu ividuals must be monito	ostatis. It promotes calciur ation, mainly regulated by teoid in bone, resulting in r e deficiency) rbital and carbamazepine, re to extremely high doses pred by periodic assessmer	port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in at of Vitamin D levels in order to prevent <i>iency due to excess of melanin pigment which</i>





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		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
AME	: Mr. YOGESH			
GE/ GENDER	: 46 YRS/MALE	PATI	ENT ID	: 1665132
OLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012411080014
EFERRED BY	:	REGI	STRATION DATE	: 08/Nov/2024 09:40 AM
ARCODE NO.	: 01520344		ECTION DATE	: 08/Nov/2024 09:53AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		RTING DATE	: 08/Nov/2024 10:54AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD			
Cest Name		Value	Unit	Biological Reference interval
		Value	Unit	biological kelel ente littel val
by CMIA (CHEMILUMIN NTERPRETATION:-	BALAMIN: SERUM		pg/mL	190.0 - 890.0
by CMIA (CHEMILUMIN <u>NTERPRETATION:-</u> INCREAS	IESCENT MICROPARTICLE IMMUNO	ASSAY) 150 ^L		
by CMIA (CHEMILUMIN <u>NTERPRETATION:-</u> INCREAS 1.Ingestion of Vitan	IESCENT MICROPARTICLE IMMUNO. SED VITAMIN B12 nin C	ASSAY) 150^L	pg/mL DECREASED VITAMIN	B12
by CMIA (CHEMILUMIN <u>VTERPRETATION:-</u> INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro	IESCENT MICROPARTICLE IMMUNO. SED VITAMIN B12 nin C gen	ASSAY) 150 ^L 1.Pregnancy 2.DRUGS:Aspin	pg/mL DECREASED VITAMIN	B12
by CMIA (CHEMILUMIN <u>VTERPRETATION:-</u> INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	IESCENT MICROPARTICLE IMMUNO. SED VITAMIN B12 nin C gen nin A	ASSAY) 150 ^L 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges	pg/mL DECREASED VITAMIN in, Anti-convulsants, tion	B12
by CMIA (CHEMILUMIN <u>VTERPRETATION:-</u> INCREAS 1.Ingestion of Vitan 2.Ingestion of Vitan 3.Ingestion of Vitan 4.Hepatocellular in	IESCENT MICROPARTICLE IMMUNO. SED VITAMIN B12 nin C gen nin A jury	ASSAY) 150 ^L 1.Pregnancy 2.DRUGS:Aspin	pg/mL DECREASED VITAMIN in, Anti-convulsants, tion /e Harmones	B12
by CMIA (CHEMILUMIN <u>VTERPRETATION:-</u> INCREAS 1.Ingestion of Vitan 2.Ingestion of Vitan 3.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia .Vitamin B12 (cobal	IESCENT MICROPARTICLE IMMUNO. SED VITAMIN B12 nin C gen nin A jury	ASSAY) 1.Pregnancy 2.DRUGS:Aspin 3.Ethanol Iges 4. Contraceptiv 5.Haemodialy 6. Multiple My poolesis and normal neuro	pg/mL	Colchicine





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



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KOS Diagnostic Lab (A Unit of KOS Healthcare)	EXCELLENCE IN HEALTHCARE & DIAGNOSTICS
Dr. Vinay Chopra	Dr. Yugam Chopra
MD (Pathology & Microbiology)	MD (Pathology)
Chairman & Consultant Pathologist	CEO & Consultant Pathologist

Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT I	
CLIENT ADDRESS	. 6240/1 NICHOLSON DOAD AMD	DALA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:08/Nov/2024 11:24AM
BARCODE NO.	: 01520344	COLLECTION DATE	: 08/Nov/2024 09:53AM
REFERRED BY	:	REGISTRATION DATE	: 08/Nov/2024 09:40 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012411080014
AGE/ GENDER	: 46 YRS/MALE	PATIENT ID	: 1665132
NAME	: Mr. YOGESH		

CLINICAL PATHOLOGY

URINE ROUTINE & MICROSCOPIC EXAMINATION

PHYSICAL EXAMINATION			
QUANTITY RECIEVED by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	10	ml	
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
CHEMICAL EXAMINATION			
REACTION by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	5.5		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC EXAMINATION			
RED BLOOD CELLS (RBCs)	NEGATIVE (-ve)	/HPF	0 - 3



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

CONSULTANT PATHOLOGIST

DR.YUGAM CHOPRA MBBS, MD (PATHOLOGY)

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com







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



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

NAME	: Mr. YOGESH			
AGE/ GENDER	: 46 YRS/MALE		PATIENT ID	: 1665132
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Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5
EDITUELIAL CELL	c	1 0	/UDE	ADCENT

EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-2	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT	

*** End Of Report



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