

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopra MD (Pathology & Microbiolog	gy)	Dr. Yugam C MD (Par	
	Chairman & Consultant Patho		& Consultant Pat	
NAME : Mrs. MEEN	AKSHI GUPTA			
AGE/ GENDER : 36 YRS/FEM	ALE	PATIENT ID	:	1662784
COLLECTED BY :		REG. NO./LA	AB NO. :	012411060022
REFERRED BY :		REGISTRAT	ION DATE :	06/Nov/2024 10:06 AM
BARCODE NO. : 01520210		COLLECTION		06/Nov/2024 10:14AM
CLIENT CODE. : KOS DIAGNO		REPORTING	<b>DATE</b> :	06/Nov/2024 10:41AM
CLIENT ADDRESS : 6349/1, NIC	HOLSON ROAD, AMBALA CA	AN I I		
Test Name	Value	e	Unit	<b>Biological Reference interval</b>
	SWASTHYA	WELLNESS P	ANEL: 1.5	
		E BLOOD COUN		
RED BLOOD CELLS (RBCS) COU			II (020)	
HAEMOGLOBIN (HB) by CALORIMETRIC	10.3	ŗL	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUNT by HYDRO DYNAMIC FOCUSING, ELECT	4.98		Millions/cm	am 3.50 - 5.00
PACKED CELL VOLUME (PCV) by CALCULATED BY AUTOMATED HEM	35.4	L	%	37.0 - 50.0
MEAN CORPUSCULAR VOLUME (1 by CALCULATED BY AUTOMATED HEM	MCV) 71 <sup>L</sup>		fL	80.0 - 100.0
MEAN CORPUSCULAR HAEMOGL by CALCULATED BY AUTOMATED HEM	OBIN (MCH) 20.8	μ	pg	27.0 - 34.0
MEAN CORPUSCULAR HEMOGLO	BIN CONC. (MCHC) 29.2	,L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTION WIDTH	I (RDW-CV) 16.3	н	%	11.00 - 16.00
RED CELL DISTRIBUTION WIDTH			fL	35.0 - 56.0
MENTZERS INDEX	14.2	6	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING INDEX by calculated	23.3	7	RATIO	BETA THALASSEMIA TRAIT:< 65.0
				IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CELLS (WBCS)				65.0
FOTAL LEUCOCYTE COUNT (TLC)		0	/cmm	4000 - 11000
NUCLEATED RED BLOOD CELLS by AUTOMATED 6 PART HEMATOLOGY	(nRBCS) NIL			0.00 - 20.00
NUCLEATED RED BLOOD CELLS by CALCULATED BY AUTOMATED HEM	(nRBCS) % NIL		%	< 10 %
S, SALOOLATED DI AUTOWATED HEM				





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







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

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

NAME	: Mrs. MEENAKSHI GUPTA		
AGE/ GENDER	: 36 YRS/FEMALE	PATIENT ID	: 1662784
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Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	53	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	38	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	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	3366	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2413	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	127	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	444	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	533000 <sup>H</sup>	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.51 <sup>H</sup>	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	10	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	125000 <sup>H</sup>	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	23.4	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16	%	15.0 - 17.0



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CLIENT CODE.	: KOS DIAGNOSTIC LAB		PORTING DATE	: 06/Nov/2024 03:31PM
CLIENT CODE. CLIENT ADDRESS			I OKIING DAIL	. 00/ N0V/ 2024 03.511 M
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CAN I I		
Test Name		Value	Unit	Biological Reference interva
WHOLE BLOOD by HPLC (HIGH PERFO	EMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	9.1 <sup>H</sup> 214.47 <sup>H</sup>	% mg/dL	4.0 - 6.4 60.00 - 140.00
by HPLC (HIGH PERFOI INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY)		Ű	
	AS PER AMERICAN D		. ,	
	REFERENCE GROUP	GLYCO	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 Goals of Therapy:		< 7.0
		GOBIS OF	neraov:	
Therapeut	ic goals for glycemic control	Actions Su		>8.0
Therapeut	ic goals for glycemic control			-

**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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CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	FD	YTHROCYTE SEDIME	NTATION PATE (	FSD)
ΓΡΑΤΗΡΟΟΥΤΕ ΟΕΙ	DIMENTATION RATE (I		mm/1st	
	GATION BY CAPILLARY PHO		iiiii/ 13t	III 0 - 20
systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sigi as sickle cells in sick <b>NOTE:</b> 1. ESR and C - reactiv 2. Generally, ESR do 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 5. Drugs such as dex	ematosus W ESR en with conditions that inl hificantly high white bloo le cell anaemia) also lowe re protein (C-RP) are both es not change as rapidly a l by as many other factors ed, it is typically a result we a higher ESR, and men	nibit the normal sedimentati d cell count (leucocytosis), i er the ESR. markers of inflammation. s does CRP, either at the sta <b>as is ESR, making it a better</b> of two types of proteins, glo struation and pregnancy car ntraceptives, penicillamine I	on of red blood cells, so and some protein abno rt of inflammation or as <b>marker of inflammatior</b> bulins or fibrinogen. cause temporary eleva	1.





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	М	r <b>. Vinay Ch</b> D (Pathology & nairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT ADDRESS	: 6349/1, NICHO	OLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
		CLINIC	AL CHEMIST	RY/BIOCHEMIST	RY
			<b>GLUCOSE</b>	FASTING (F)	
GLUCOSE FASTIN	G (F): PLASMA Se - peroxidase (go	DD-POD)	163.63 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

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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 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com



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		Chopra y & Microbiology) Consultant Pathologis		(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	OFILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL O		131.7	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	295.02 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	28.53 <sup>L</sup>	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		44.17	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES' by CALCULATED, SPE		103.17	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER		59 <sup>H</sup>	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF		558.42	mg/dL	350.00 - 700.00
CHOLESTEROL/HI		4.62 <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

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Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		1.55	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		10.34 <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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Test Name	Value	Unit	<b>Biological Reference interval</b>
LIVER	FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.22	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.06	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.16	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	15	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	22.1	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	0.68	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para Nitrophenyl phosphatase by amino methyl propanol	92.62	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	15.86	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	7.39	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.06	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	3.33	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.22	RATIO	1.00 - 2.00

#### INTERPRETATION

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

# **INCREASED:**

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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Test Name		Value Unit	Biological Reference interval

#### DECREASED:

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

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

GOOD PROGNOSTIC SIGN 0.3 - 0.6	
POOR PROGNOSTIC SIGN 1.2 - 1.6	



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Test Name		Value	Unit	<b>Biological Reference interval</b>
	KIDNI	EY FUNCTION	N TEST (COMPLETE)	
UREA: SERUM		24.42	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)		Ũ	
CREATININE: SERU		0.68	mg/dL	0.40 - 1.20
	OGEN (BUN): SERUM	11.41	mg/dL	7.0 - 25.0
BLOOD UREA NITE	OGEN (BUN)/CREATININE	16.78	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE				
UREA/CREATININ		35.91	RATIO	
by CALCULATED, SPE	CTROPHOTOMETRY	0.05	( )7	0.70.0.00
URIC ACID: SERUM by URICASE - OXIDAS		2.85	mg/dL	2.50 - 6.80
CALCIUM: SERUM		10.5	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE PHOSPHOROUS: SE		3.56	ma/dI	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY	5.50	mg/dL	2.30 - 4.70
<b>ELECTROLYTES</b>				
SODIUM: SERUM by ISE (ION SELECTIV	'E ELECTRODE)	139.6	mmol/L	135.0 - 150.0
POTASSIUM: SERU	M	4.21	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		104.7	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	E ELECTRODE)			00.0 110.0
	IERULAR FILTERATION RATE			
ESTIMATED GLOM	ERULAR FILTERATION RATE	115.7		

#### 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.

3. GI haemorrhage.



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

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST 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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





		Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		<b>Yugam Ch</b> MD (Path Insultant Pathe	ology)			
AME	: Mrs. MEENA	AKSHI GUPTA							
GE/ GENDER	: 36 YRS/FEM	ALE		PATIENT ID	: 1	662784			
OLLECTED BY				REG. NO./LAB NO.	:0	1241106002	22		
EFERRED BY	•			REGISTRATION DA		6/Nov/2024 1			
ARCODE NO.	:01520210			COLLECTION DAT		6/Nov/2024 1			
LIENT CODE.	: KOS DIAGNO			REPORTING DATE	E : 0	6/Nov/2024 1	1:52AM		
LIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AME	BALA CANTT						
Fest Name			Value	Uni	it	Biolog	ical Refer	ence inter	rval
<ul> <li>Certain drugs (e.g.</li> <li>NCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> </ul>	tetracycline, glu 0:1) WITH ELEV (BUN rises disp	ATED CREATININE LEV roportionately more	ELS:	ne) (e.g. obstructive	e uropathy).				
Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Perenal azotemia DECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	tetracycline, glu <b>0:1) WITH ELEV</b> (BUN rises disp superimposed of <b>10:1) WITH DECR</b> osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a <b>10:1) WITH INCR</b> py (accelerates eleases muscle who develop re sis (acetoacetat creased BUN/cr apy (interferes <b>JLAR FILTERATIO</b>	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine measi N RATE: DESCRIPTION	ELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain metl	n. hodologies,i ASSOCIA	TED FINDINGS		when dehy	dratic
. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	tetracycline, glu <b>0:1) WITH ELEV</b> (BUN rises disp superimposed of <b>10:1) WITH DECR</b> osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a <b>10:1) WITH INCR</b> py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes <b>JLAR FILTERATIO</b> Not	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine measi N RATE: DESCRIPTION mal kidney function	ELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain meth L/min/1.73m2 ) >90	hodologies,i <b>ASSOCIA</b> No p	<b>TED FINDINGS</b> proteinuria		when dehy	dratic
. Certain drugs (e.g. VCREASED RATIO (>2 . Postrenal azotemia Prerenal azotemia ECREASED RATIO (< . Acute tubular necr . Low protein diet ar . Severe liver disease . Other causes of de . Repeated dialysis ( . Inherited hyperam . SIADH (syndrome c . Pregnancy. ECREASED RATIO (< . Phenacimide thera . Rhabdomyolysis (r . Muscular patients VAPPROPIATE RATIO . Diabetic ketoacido nould produce an in . Cephalosporin ther STIMATED GLOMERL CKD STAGE	tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes JLAR FILTERATIO Non Ki	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with	ELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain metl	hodologies, <b>ASSOCIA</b> Presence	<b>TED FINDINGS</b> proteinuria ce of Protein ,		when dehy	dratic
Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients JAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERU G1 G2	tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes JLAR FILTERATIO Non Ki Non	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine measi N RATE: DESCRIPTION mal kidney function	ELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). ne with certain meth L/min/1.73m2 ) >90	hodologies, <b>ASSOCIA</b> Presence	<b>TED FINDINGS</b> proteinuria		when dehy	dratic
. Certain drugs (e.g. NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERL CKD STAGE	tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes ULAR FILTERATIO Non Ki Non	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR	TELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). he with certain meth L/min/1.73m2 ) >90 >90	hodologies, <b>ASSOCIA</b> Presence	<b>TED FINDINGS</b> proteinuria ce of Protein ,		when dehy	dratic
Certain drugs (e.g. ICREASED RATIO (>2 Postrenal azotemia Prerenal azotemia ECREASED RATIO (< Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis ( Inherited hyperam SIADH (syndrome of Pregnancy. ECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients JAPPROPIATE RATIO Diabetic ketoacido nould produce an in Cephalosporin ther STIMATED GLOMERU G1 G2 G3a	tetracycline, glu 0:1) WITH ELEV/ (BUN rises disp superimposed of 0:1) WITH DECR osis. ad starvation. creased urea sy urea rather tha monemias (urea of inappropiate a 10:1) WITH INCR py (accelerates eleases muscle who develop re : sis (acetoacetat creased BUN/cr apy (interferes <u>JLAR FILTERATIO</u> Non Ki Non Mod	acocorticoids) ATED CREATININE LEV proportionately more on renal disease. EASED BUN : In creatinine diffuses a is virtually absent in antidiuretic harmone EASED CREATININE: conversion of creatin creatinine). nal failure. e causes false increa eatinine ratio). with creatinine mease N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR id decrease in GFR	TELS: than creatinin out of extrace blood). due to tubul e to creatinin se in creatinin urement).	ellular fluid). ar secretion of urea e). he with certain meth L/min/1.73m2 ) >90 >90 60 -89	hodologies, <b>ASSOCIA</b> Presence	<b>TED FINDINGS</b> proteinuria ce of Protein ,		when dehy	dratic



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

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









	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mrs. MEENAKSHI GUPTA		
AGE/ GENDER	: 36 YRS/FEMALE	PATIENT ID	: 1662784
COLLECTED BY	:	REG. NO./LAB NO.	: 012411060022
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 06/Nov/2024 10:06 AM
BARCODE NO.	: 01520210	COLLECTION DATE	:06/Nov/2024 10:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 06/Nov/2024 11:52AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Г	
Test Name	Value	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

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

MBBS, MD (PATHOLOGY)







%

mg/dL

15.0 - 50.0

200.0 - 350.0

	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	crobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. MEENAKSHI GUPTA			
AGE/ GENDER	: 36 YRS/FEMALE	PA	TIENT ID	: 1662784
COLLECTED BY	:	RI	EG. NO./LAB NO.	: 012411060022
<b>REFERRED BY</b>	:	RI	EGISTRATION DATE	: 06/Nov/2024 10:06 AM
BARCODE NO.	: 01520210	COLLECTION DATE		: 06/Nov/2024 10:14AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON PH	ROFILE	
IRON: SERUM by FERROZINE, SPEC	TROPHOTOMETRY	30.7 <sup>L</sup>	μg/dL	37.0 - 145.0
UNSATURATED IR :SERUM by FERROZINE, SPEC	ON BINDING CAPACITY (UIBC)	385.43 <sup>H</sup>	µg/dL	150.0 - 336.0
TOTAL IRON BIND SERUM by SPECTROPHOTON	ING CAPACITY (TIBC)	416.13	µg/dL	230 - 430

TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)

%TRANSFERRIN SATURATION: SERUM

by CALCULATED, 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
IDON.			

7.38<sup>L</sup>

295.45

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.



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

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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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. MEENAKSHI GUPTA			
AGE/ GENDER	: 36 YRS/FEMALE	PATI	ENT ID	: 1662784
COLLECTED BY	:	REG.	NO./LAB NO.	: 012411060022
REFERRED BY	:	REGIS	<b>STRATION DATE</b>	: 06/Nov/2024 10:06 AM
BARCODE NO.	: 01520210	COLL	ECTION DATE	:06/Nov/2024 10:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:06/Nov/2024 11:52AM
Test Name		Value	Unit	Biological Reference interval
	THVR	ENDOCRING		
		<b>OID FUNCTION</b> 1.094		0.35 - 1.93
by CMIA (CHEMILUMI) THYROXINE (T4): S	NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY	<b>OID FUNCTION</b> 1.094 7.29	TEST: TOTAL	0.35 - 1.93 4.87 - 12.60
THYROXINE (T4): 5 by CMIA (CHEMILUMIN THYROID STIMULA	NE (T3): SERUM vescent microparticle immunoassay SERUM vescent microparticle immunoassay ATING HORMONE (TSH): SERUM vescent microparticle immunoassay	<b>OID FUNCTION</b> 1.094 7.29 1.671	<b>TEST: TOTAL</b> ng/mL	

CLINICAL CONDITION	Т3	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)	THYROXINE (T4)		THYROID STIMULATING HORMONE (TS		
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	





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

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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. MEENAKSHI GUPTA		
AGE/ GENDER	: 36 YRS/FEMALE	PATIENT ID	: 1662784
COLLECTED BY	:	REG. NO./LAB NO.	: 012411060022
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	:06/Nov/2024 10:06 AM
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	•	

Fest 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	
-	RECOM	IMENDATIONS OF TSH LI	VELS 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





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



9001:2008 CERT					
	MD (I	<b>Vinay Chopra</b> Pathology & Microbiology) man & Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
AME	: Mrs. MEENAKSH	I GUPTA			
GE/ GENDER	: 36 YRS/FEMALE	PA	TIENT ID	: 1662784	
OLLECTED BY	:	RF	G. NO./LAB NO.	: 012411060022	
EFERRED BY			GISTRATION DATE	: 06/Nov/2024 10:06 AM	
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LIENT CODE.	: KOS DIAGNOSTIC		PORTING DATE	: 06/Nov/2024 11:52AM	
LIENT ADDRESS		ON ROAD, AMBALA CANTT		. 00/100/2024 11.52AW	
Fest Name		Value	Unit	Biological Reference interv	val
			ATNC		
		VITAN			
		VITAMIN D/25 HYD	ROXY VITAMIN D	3	
	DROXY VITAMIN D3		ng/mL	DEFICIENCY: < 20.0	
by CLIA (CHEMILUMINI	ESCENCE IMMUNOASSA	Y)		INSUFFICIENCY: 20.0 - 30. SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0	
NTERPRETATION:				Тохісті і. > 100.0	
	CIENT:	< 20		g/mL	
	ICIENT:	21 - 29		g/mL	
	D RANGE: Cation:	<u>30 - 100</u> > 100		g/mLg/mL	
onversion of 7- dihy 25-OHVitamin D re- issue and tightly bou Vitamin D plays a p shosphate reabsorpt Severe deficiency n <b>DECREASED:</b> Lack of sunshine ex Lack of sunshine ex Lack of sunshine ex Lack of sunshine ex Costeoporosis and S Enzyme Inducing dr NCREASED: Hypervitaminosis D evere hypercalcemia AUTION: Replaceme hypervitaminosis D	drocholecalciferol to epresents the main be ind by a transport pro- rimary role in the ma- ion, skeletal calcium of hay lead to failure to posure. malabsorption (celia Vitamin D 25- hydrox ced Liver disease econdary Hyperparat ugs: anti-epileptic dr b is Rare, and is seen of and hyperphophater nt therapy in deficier	Vitamin D3 in the skin upon Ult ody resevoir and transport form otein while in circulation. intenance of calcium homeosta deposition, calcium mobilization mineralize newly formed osteoi c disease) ylase activity hroidism (Mild to Moderate del ugs like phenytoin, phenobarbit only after prolonged exposure t nia. t individuals must be monitored	raviolet exposure. of Vitamin D and trans itis. It promotes calciun n, mainly regulated by p d in bone, resulting in r ficiency) al and carbamazepine, o extremely high doses d by periodic assessmen	rickets in children and osteomalacia in adu that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result nt of Vitamin D levels in order to prevent	ipose d Its.
<b>IOTE</b> :-Dark coloured nterefere with Vitami	naividuals as compare n D absorption.	e to whites, is at higher risk of de	veloping vitamin D defic	iency due to excess of melanin pigment which	cn

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: Ilnd 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 Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. MEENAKSHI GUPTA			
AGE/ GENDER	: 36 YRS/FEMALE	1	PATIENT ID	: 1662784
COLLECTED BY	:	1	REG. NO./LAB NO.	: 012411060022
REFERRED BY			REGISTRATION DATE	: 06/Nov/2024 10:06 AM
BARCODE NO.	: 01520210		COLLECTION DATE	: 06/Nov/2024 10:14AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 06/Nov/2024 12:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al	MBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
VITAMIN B12/COE		VITAMIN B12 299	<b>2/COBALAMIN</b> pg/mL	190.0 - 890.0
	IESCENT MICROPARTICLE IMMUNOASS		P6 <sup>, IIIL</sup>	100.0 000.0
INTERPRETATION:-				
	SED VITAMIN B12		DECREASED VITAMIN	N B12
1.Ingestion of Vitam		1.Pregnar		
2.Ingestion of Estrog		2.DRUGS	Aspirin, Anti-convulsants	, coicnicine
4.Hepatocellular in			ceptive Harmones	
5.Myeloproliferativ		5.Haemo		
6.Uremia		6. Multip	le Myeloma	
2.In humans, it is obt 3.The body uses its v excreted. 4.Vitamin B12 deficie ileal resection, small 5.Vitamin B12 deficie proprioception, poor the neurologic defect 6.Serum methylmalo 7.Follow-up testing fr <b>NOTE:</b> A normal serur	ency may be due to lack of IF secre intestinal diseases). ency frequently causes macrocytic coordination, and affective behav ts without macrocytic anemia. nic acid and homocysteine levels a or antibodies to intrinsic factor (IF n concentration of vitamin B12 doe	nd requires intri ly, reabsorbing v tion by gastric m anemia, glossitis ioral changes. Th re also elevated ) is recommende es not rule out tis clinical symptoms	insic factor (IF) for absorp itamin B12 from the ileun ucosa (eg, gastrectomy, g s, peripheral neuropathy, nese manifestations may o in vitamin B12 deficiency d to identify this potentia ssue deficiency of vitamin	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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CLIENT CODE.	LIENT CODE. : KOS DIAGNOSTIC LAB		PORTING DATE	:06/Nov/2024 11:44AM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT					
Test Name		Value	Unit	<b>Biological Reference interval</b>			
		CLINICAL PA	THOLOGY				
	URINE ROU		SCOPIC EXAMINA	ATION			
PHYSICAL EXAMI							
QUANTITY RECIEV		10	ml				
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY							
COLOUR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		AMBER YELLOW		PALE YELLOW			
TRANSPARANCY		HAZY		CLEAR			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1.01		1 000 1 000			
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				1.002 - 1.030			
CHEMICAL EXAM	INATION						
REACTION							
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)			
SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		1+		NEGATIVE (-ve)			
pH		7		5.0 - 7.5			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative					
BILIRUBIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)			
NITRITE		Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY. UROBILINOGEN		Normal	EU/dL	0.2 - 1.0			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Normai	EU/ UL	0.2 - 1.0			
KETONE BODIES		Negative		NEGATIVE (-ve)			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD		Negative		NEGATIVE (-ve)			
by DIP STICK/REFLEC	by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY						
ASCORBIC ACID	ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		ve)	NEGATIVE (-ve)			
MICROSCOPIC EXAMINATION							
RED BLOOD CELLS		NEGATIVE (-	ve) /HPF	0 - 3			



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Test Name		Value	Unit	Biological Reference interval	
PUS CELLS by MICROSCOPY ON (	CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5	
EPITHELIAL CELL	s	2-4	/HPF	ABSENT	

EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/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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