



	Dr. Vinay Chop MD (Pathology & Mic Chairman & Consult	crobiology)	MD	m <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1711253
COLLECTED BY	:		REG. NO./LAB NO.	: 012412290010
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 29/Dec/2024 09:34 AM
BARCODE NO.	: 01523151		COLLECTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Dec/2024 10:25AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANT'I		
Test Name		Value	Unit	Biological Reference interval
	SWAST	THYA WE	ELLNESS PANEL: 1.	.5
	СОМ	PLETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	12.8	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (	RBC) COUNT	5	Millions	s/cmm 3.50 - 5.00
PACKED CELL VOLU		41.1	%	37.0 - 50.0
MEAN CORPUSCUL		82.2	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) utomated hematology analyzer	25.5 <sup>L</sup>	pg	27.0 - 34.0
by CALCULATED BY A	AR HEMOGLOBIN CONC. (MCHC)		g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.6	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	44.8	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		16.44	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI by CALCULATED	DEX	23.91	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	<u>LLS (WBCS)</u>			
TOTAL LEUCOCYTE	E COUNT (TLC) ( by sf cube & microscopy	6480	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED E	BLOOD CELLS (nRBCS) % UTOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %





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

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Dr. Vinay Chopra

Test Name	Value	Unit	<b>Biological Reference interval</b>
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	56	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	33	%	20 - 40
EOSINOPHILS by flow cytometry by SF cube & microscopy	4	%	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	3629	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2138	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	259	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	454	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by flow cytometry by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	247000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.28	%	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	81000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	32.6	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.1	%	15.0 - 17.0





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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
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Test Name	Value	e Unit	Biological Reference interval



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





TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT



	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	Microbiology)	Dr. Yugam MD EO & Consultant	(Pathology)	
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BARCODE NO.	: 01523151		ION DATE	: 29/Dec/2024 09:38AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		NG DATE	: 29/Dec/2024 03:22PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A				
Test Name		Value	Unit	Biological Refere	nco intorva
WHOLE BLOOD	EMOGLOBIN (HbA1c):	5	%	4.0 - 6.4	
WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERA	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE	96.8	∞ mg/dL	60.00 - 140.00	
INTERPRETATION:	RMANCE LIQUID CHROMATOGRAPHY)				
INTERPRETATION.					
		DIABETES ASSOCIATION (AD			
	REFERENCE GROUP		ED HEMOGLOGIB	(HBAIC) in %	
Non di	REFERENCE GROUP abetic Adults >= 18 years		ED HEMOGLOGIB <5.7	(HBAIC) in %	
Non di A	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)		<b>ED HEMOGLOGIB</b> <5.7 5.7 – 6.4	(HBAIC) in %	
Non di A	REFERENCE GROUP abetic Adults >= 18 years		<pre>&lt;5.7 </pre> <pre>&lt;5.7 </pre> 5.7 - 6.4  >= 6.5	(HBAIC) in %	
Non di A	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	GLYCOSYLAT	<pre>ED HEMOGLOGIB       &lt;5.7       5.7 - 6.4       &gt;= 6.5       Age &gt; 19 Years</pre>	(HBAIC) in %	
Non di A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)		<pre>5.7 5.7 - 6.4 &gt;= 6.5 Age &gt; 19 Years /:</pre>		
Non di A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	GLYCOSYLAT	<pre>5.7 5.7 - 6.4 &gt;= 6.5 Age &gt; 19 Years /:</pre>	< 7.0	

**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 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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	Chairman & Cons	ultant Patholog	gist CEO & Consultant	Pathologist
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LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Dec/2024 11:06AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
mmune disease, but 2. An ESR can be affe is C-reactive protein	does not tell the health practitior cted by other conditions besides i be used to monitor disease activit	ner exactly when nflammation.	ere the inflammation is in the For this reason, the ESR is ty	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as





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		& Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE	PA	ATIENT ID	: 1711253
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTI	RY/BIOCHEMIST	'nY
		GLUCOSE F	ASTING (F)	
	G (F): PLASMA	96.6	mg/dL	NORMAL: < 100.0

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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		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	<b>Biological Reference interval</b>
		LIPID PROF	ILE : BASIC	
CHOLESTEROL TOT	TAL: SERUM	203.55 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		~00.00	0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
RIGLYCERIDES: S	ERUM	78.44	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 -
				199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
	L (DIRECT): SERUM	75.18	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBITI	ION			BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
DL CHOLESTEROL	.: SERUM	112.68	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE	CTROPHOTOMETRY		0	ABOVE OPTIMAL: 100.0 - 129.
				BORDERLINE HIGH: 130.0 - 159.0
				HIGH: 160.0 - 189.0
				VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST		128.37	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CIROPHOIOMEIRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0
Π ΟΙ ΟΠΟΙ ΓΟΨΕΡΟ	M. CEDIM	15.00	TL / 11	VERY HIGH: $> OR = 220.0$
LDL CHOLESTERC		15.69	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	UM	485.54	mg/dL	350.00 - 700.00
by CALCULATED, SPE CHOLESTEROL/HD		2.71	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE		2.11	KATIO	AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 7.10 - 11.0
				HIGH RISK: $> 11.0$

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S		1.5	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	1.04 <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.

 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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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS
Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

T14

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

Test Name	Value	Unit	Biological Reference interval
LIVER	FUNCTION TE	ST (COMPLETE)	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY	0.31	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM by DIAZO MODIFIED, SPECTROPHOTOMETRY	0.1	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM by CALCULATED, SPECTROPHOTOMETRY	0.21	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	24.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PYRIDOXAL PHOSPHATE	19.9	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.23	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM by Para NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL	85.34	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM by SZASZ, SPECTROPHTOMETRY	10.17	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM by BIURET, SPECTROPHOTOMETRY	6.95	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL GREEN	4.31	gm/dL	3.50 - 5.50
GLOBULIN: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.64	gm/dL	2.30 - 3.50
A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.63	RATIO	1.00 - 2.00

# **INTERPRETATION**

**NOTE:** To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)







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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).

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



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







	<b>Dr. Vinay Cho</b> MD (Pathology & M Chairman & Consu	1icrobiology)		Pathology)	
NAME	: Mrs. JASVEER				
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Test Name		Value	Unit	Biological Reference into	erval
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)		
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	23.84	mg/dL	10.00 - 50.00	
CREATININE: SERU	JM	0.94	mg/dL	0.40 - 1.20	
by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE	OGEN (BUN): SERUM	11.14	mg/dL	7.0 - 25.0	
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	11.85	RATIO	10.0 - 20.0	
by CALCULATED, SPE UREA/CREATININ by CALCULATED, SPE	E RATIO: SERUM	25.36	RATIO		
URIC ACID: SERUM	[	2.15 <sup>L</sup>	mg/dL	2.50 - 6.80	
CALCIUM: SERUM by ARSENAZO III, SPE		9.81	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE		3.88	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM by ISE (ION SELECTIV	(F FLECTRODE)	141.9	mmol/L	135.0 - 150.0	
POTASSIUM: SERUE by ISE (ION SELECTIV	Μ	3.82	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	I Je electrode)	106.43	mmol/L	90.0 - 110.0	
	IERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE	79.2			

**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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	٢		r. Vinay Chopra D (Pathology & Microbiology) airman & Consultant Pathologist CEO & Consultant Patholog					
IAME	: Mrs. JASVEE	ł						
GE/ GENDER	: 39 YRS/FEMA	LE	PA	TIENT ID	: 1711253			
COLLECTED BY	:		RE	G. NO./LAB NO.	:012412	290010		
EFERRED BY			RE	GISTRATION DAT	E · 29/Dec/	2024 09:34	1 AM	
ARCODE NO.	:01523151			LLECTION DATE		2024 09:38		
LIENT CODE.	: KOS DIAGNOS	TIC I AR		PORTING DATE		2024 03:30		
				I ONTING DATE	. 23/ Dec/	2024 12.17	1 111	
LIENT ADDRESS	: 0349/1, NICH	OLSON ROAD, AMBA	ILA CANT I					
Fest Name			Value	Unit	Г	Biological	Reference i	nterval
<ol> <li>Vrine reabsorption</li> <li>Reduced muscle m</li> <li>Certain drugs (e.g.</li> <li>NCREASED RATIO (&gt;2</li> <li>Postrenal azotemia</li> <li>Prerenal azotemia</li> </ol>	ass (subnormal c tetracycline, gluc <b>0:1) WITH ELEVA</b> (BUN rises dispr superimposed or	reatinine production ocorticoids) FED CREATININE LEVE oportionately more t a renal disease.	LS:	(e.g. obstructive ur	opathy).			
7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. <b>INCREASED RATIO (&gt;2</b> 1. Postrenal azotemia 2. Prerenal azotemia <b>DECREASED RATIO (</b> <1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis ( 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. <b>DECREASED RATIO (</b> <1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients <b>INAPPROPIATE RATIO</b> 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther <b>ESTIMATED GLOMERL</b> G1 G2 G3 G3a	(e.g. ureter colos ass (subnormal c tetracycline, gluc 0:1) WITH ELEVA (BUN rises dispr superimposed or 0:1) WITH DECRE osis. Id starvation. creased urea syn urea rather than monemias (urea f inappropiate ar 0:1) WITH INCRE oy (accelerates c eleases muscle cl who develop ren sis (acetoacetate creased BUN/cre apy (interferes w LAR FILTERATION Norr Kid no Mil	reatinine production ocorticoids) <b>FED CREATININE LEVE</b> oportionately more t a renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses o is virtually absent in tidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur <b>RATE:</b> <b>DESCRIPTION</b> nal kidney function ney damage with rmal or high GFR d decrease in GFR	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement). GFR (mL/r 2 4 60	lar fluid). secretion of urea. with certain method		I <b>DINGS</b> Iria Dtein ,	I ratio when o	dehydrati
Y. Urine reabsorption     Reduced muscle m     Certain drugs (e.g.     NCREASED RATIO (>2     Postrenal azotemia     DECREASED RATIO (<1     Acute tubular necr     Low protein diet ar     Severe liver disease     Other causes of de     Repeated dialysis (     SIADH (syndrome c     Rhabdomyolysis (r     SADH (syndrome c     Rhabdomyolysis (r     Shapproplate RATIO     Diabetic ketoacido     hould produce an in     Cephalosporin ther     STIMATED GLOMERL     CKD STAGE     G1     G2	(e.g. ureter colos ass (subnormal c tetracycline, gluc 0:1) WITH ELEVA (BUN rises dispr superimposed or 0:1) WITH DECRE osis. Id starvation. creased urea syn urea rather than monemias (urea f inappropiate ar 0:1) WITH INCRE oy (accelerates c eleases muscle c who develop ren sis (acetoacetate creased BUN/cre apy (interferes w LAR FILTERATION Norr Kid no Mill Mode	reatinine production ocorticoids) <b>FED CREATININE LEVE</b> oportionately more t in renal disease. <b>ASED BUN :</b> thesis. creatinine diffuses o is virtually absent in tidiuretic harmone) <b>ASED CREATININE:</b> onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur <b>RATE:</b> <b>DESCRIPTION</b> nal kidney function ney damage with rmal or high GFR	LS: han creatinine) ut of extracellu blood). due to tubular s to creatinine). e in creatinine v rement). GFR (mL/r 2 60 30	lar fluid). secretion of urea. with certain method	lologies,resulting ASSOCIATED FIN No proteinu Presence of Pro	I <b>DINGS</b> Iria Dtein ,	I ratio when a	dehydrati





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







	<b>Dr. Vinay Chopra</b> MD (Pathology & Micro Chairman & Consultant	obiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. JASVEER		
AGE/ GENDER	: 39 YRS/FEMALE	PATIENT ID	: 1711253
COLLECTED BY	:	REG. NO./LAB NO.	: 012412290010
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 29/Dec/2024 09:34 AM
BARCODE NO.	: 01523151	COLLECTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 29/Dec/2024 12:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
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



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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

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Test Name		Value	Unit	Biological Reference interval
		IRON PR	OFILE	
IRON: SERUM by FERROZINE, SPECT	ROPHOTOMETRY	48.13	μg/dL	37.0 - 145.0
UNSATURATED IRC :SERUM by FERROZINE, SPECT	ON BINDING CAPACITY (UIBC)	253.21	µg/dL	150.0 - 336.0
TOTAL IRON BINDI	NG CAPACITY (TIBC)	301.34	µg/dL	230 - 430

15.97

213.95

:SERUM

by SPECTROPHOTOMETERY

TRANSFERRIN: SERUM

**INTERPRETATION:-**

%TRANSFERRIN SATURATION: SERUM

by SPECTROPHOTOMETERY (FERENE)

VARIABLES

SERUM IRON:

TOTAL IRON BINDING CAPACITY:

% TRANSFERRIN SATURATION:

**SERUM FERRITIN:** 

by CALCULATED, SPECTROPHOTOMETERY (FERENE)

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):

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:

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 Name		Value	Unit	Biological Reference interval
		ENDOCI	RINOLOGY	
	THYR	OID FUNC	TION TEST: TOTAL	
	NE (T3): SERUM	0.76	ng/mL	0.35 - 1.93
THYROXINE (T4): S		7.24	µgm/dl	L 4.87 - 12.60
THYROID STIMULA	TING HORMONE (TSH): SERUM	1.758	µIU/mI	0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:		')		
TSH levels are subject to a day has influence on the triiodothyronine (T3).Fai	<i>measured serum TSH concentrations</i> . TSH st lure at any level of regulation of the hypotl	imulates the pro	duction and secretion of the	pm. The variation is of the order of 50%.Hence time of th metabolically active hormones, thyroxine (T4)and her underproduction (hypothyroidism) or
overproduction(hyperthy CLINICAL CONDITION	roidism) of T4 and/or T3.		T4	TSH
Primary Hypothyroidis			Reduced	Increased (Significantly)
Subclinical Hypothyroi	dism: Normal or Low Nor	mal f	Normal or Low Normal	High

## LIMITATIONS:-

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

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 (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	

Increased

Normal or High Normal





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Reduced (at times undetectable)

Reduced





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Fest Name		Value		Value Unit		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	MENDATIONS OF TSH LI	<b>VELS DURING PRE</b>	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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Test Name		Value	Unit	<b>Biological Reference interval</b>
		LUTEINISING HOR	MONE (LH)	
	MONE (LH): SERUM ESCENT MICROPARTICLE IMMUNO	14.51 ASSAY)	mIU/mL	MALES: 0.57 - 12.07 FOLLICULAR PHASE: 1.80 - 11.78 MID-CYCLE PEAK: 7.59 - 89.08 LUTEAL PHASE: 0.56 - 14.0 POST MENOPAUSAL WITHOUT HRT: 5.16 - 61.99
hormone from the hy 2. In both males and into a follicular phas 3. This "LH surge" trig luteum that, in turn, 4. LH supports thecal interstitial cells of Le <b>The test is useful in th</b> 1. An adjunctin the e 2. Evaluating patients 3. Predicting ovulatio 4. Diagnosing pituita 5. In both males and levels. <b>FSH AND LH ELEVTED</b> 1. Primary gonadal fa 2. Complete testicula 3. Precocious puberts 4. Menopause 5. Primary ovarian hy 6. Polycystic ovary di 7. Primary hypogona <b>LH IS DECREASED IN:</b>	pothalamus controls the secreti females, LH is essential for repr e and a luteal phase. ggers ovulation thereby not only orduces progesterone to prepa- cells in the ovary that provide ydig to cause increased synthes <b>be following situations</b> : valuation of menstrual irregular s with suspected hypogonadism in & Evaluating infertility ry disorders females, primary hypogonadisr <b>IN:</b> aillure r feminization syndrome y (either idiopathic or secondar ypo dysfunction in females sease in females dism in males	ion of the gonadotropins, oduction. In females, the y releasing the egg, but a androgens and hormona is of testosterone. rities.	FSH and LH, from the a menstrual cycle is divid lso initiating the conve a possiblei mplantation. I precursors for estradi	ded by a mid cycle surge of both LH and FSF rsion of the residual follicle into a corpus





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NAME	: Mrs. JASVEER			1711070
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1711253
OLLECTED BY	:		<b>REG. NO./LAB NO.</b>	: 012412290010
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Fest Name		Value	Unit	<b>Biological Reference interval</b>
	FOLLICL ATING HORMONE (FSH): SERUN		TING HORMONE (FS mIU/mL	<b>FEMALE FOLLICULAR PHASE:</b>
by CLIA (CHEMILUMIN	IESCENCE IMMUNOASSAY)			3.03 - 8.08 FEMALE MID-CYCLE PEAK: 2.55 - 16.69 FEAMLE LUTEAL PHASE: 1.38 - 5.47 FEMALE POST-MENOPAUSAL: 26.72 - 133.41 MALE: 0.95 - 11.95
uteinizing hormone The menstrual cyclope FSH appears to co <b>he test is useful in t</b> An adjunct in the Evaluating patient Predicting ovulati Evaluating infertil Diagnosing pituita In both males and LH) levels.	(LH) from the anterior pituitary. cle is divided by a midcycle surge of ntrol gametogenesis in both males a <b>the following settings:</b> evaluation of menstrual irregularitie s with suspected hypogonadism. on ity ary disorders females, primary hypogonadism re LEVATED IN:	both FSH and and females. es.	LH into a follicular phase a	tropins, follicle-stimulating hormone (FSH) and nd a luteal phase. ulating hormone (FSH) and luteinizing hormone
<ul> <li>Primary gonadal f</li> <li>Complete testicula</li> <li>Precocious puberi</li> <li>Menopause (postr</li> <li>Primary ovarian h</li> <li>Primary hypogona</li> <li>IOTE:</li> <li>Normal or decrea</li> </ul>	ar feminization syndrome. ty (either idiopathic or secondary to nenopausal FSH levels are generally ypofunction in females	r >40 IU/L) n disease in fe	males	
<ul> <li>Precocious pubert</li> <li>Menopause (postri ). Primary ovarian h</li> <li>Primary hypogona</li> <li>IOTE:</li> <li>Normal or decrea</li> </ul>	ar feminization syndrome. y (either idiopathic or secondary to menopausal FSH levels are generally ypofunction in females adism in males sed FSH is seen in polycystic ovariar	r >40 IU/L) n disease in fe	males	





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







		Chopra y & Microbiology) Consultant Pathologist	Dr. Yugam ( MD (P CEO & Consultant Pa	athology)
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<b>Fest Name</b>		Value	Unit	Biological Reference interval
2.The major chemica 3.Physiological funct physiologic stimuli su newborn infant.	uch as sleep, exercise, nipple s	on is dopamine, which inhi ition of milk production. In	bits prolactin secretio normal individuals, th	n from the pituitary. ne prolactin level rises in response to ostpartum period, and also is elevated in the
2.Functional and org 3.Primary hypothyro	pituitary adenoma (prolacting anic disease of the hypothala idism. on of the pituitary stalk.	oma, which is 5 times more nus.	e frequent in females t	han males).
<sup>7</sup> .DRUGS:- Anti-Dopa eceptors, or serotor Opiates, High doses SIGNIFICANCE:	nin reuptake (anti-depressants of estrogen or progesterone,a	s of all classes, ergot deriva anticonvulsants (valporic a	atives, some illegal dru cid), anti-tuberculous	at affect CNS serotonin metabolism, serotoni igs such as cannabis), Antihypertensive drugs medications (Isoniazid).
2.Loss of libido, impo from decreased mus 3. In males, prolactin 4. In women, prolacti	lactorrhea, oligomHyperprola otence, infertility, and hypogo cle mass and osteoporosis. <i>levels &gt;13 ng/mL are indicative</i> <i>n levels &gt;27 ng/mL in the absen</i> ad signs of hyperprolactinemia	nadism in males. Postmeno of hyperprolactinemia. ace of pregnancy and postpa	opausal and premenop artum lactation are indi	and infertility in premenopausal females. bausal women, as well as men, can also suffer cative of hyperprolactinemia.

5.Clear symptoms and signs of hyperprolactinemia are often absent in patients with serum prolactin levels <100 ng/mL. 4. Mild to moderately increased levels of serum prolactin are not a reliable guide for determining whether a prolactin-producing pituitary

# adenoma is present, 5. Whereas levels >250 ng/mL are usually associated with a prolactin-secreting tumor.

# CAUTION:

Prolactin values that exceed the reference values may be due to macroprolactin (prolactin bound to immunoglobulin). Macroprolactin should be evaluated if signs and symptoms of hyperprolactinemia are absent, or pituitary imaging studies are not informative.



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REFERRED BY	:	REGI	STRATION DATE	: 29/Dec/2024 09:34 AM
BARCODE NO.	: 01523151	COLL	ECTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 29/Dec/2024 12:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
		TESTOSTERON	E: TOTAL	
TESTOSTERONE - '	TOTAL: SERUM	0.28 ASSAY)	ng/mL	0.0 - 0.80
2.Androgen resistand 3.Testoxicosis 4.Congenital Adrena 5.Polycystic ovarian 7.Ovarian tumors <b>DECREASED LEVELS:</b> 1.Delayed puberty (N 2.Gonadotropin defi 3.Testicular defects 4.Systemic diseases	Il Hyperplasia disease			





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.



	MD (Patho	<b>y Chopra</b> logy & Microbiology) & Consultant Pathologis		(Pathology)
NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1711253
COLLECTED BY			REG. NO./LAB NO.	: 012412290010
REFERRED BY				
			REGISTRATION DATE	: 29/Dec/2024 09:34 AM
BARCODE NO.	:01523151		COLLECTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 29/Dec/2024 01:31PM
CLIENT ADDRESS	: 6349/1, NICHOLSON R	OAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		VII	AMINS	
		VITAMIN D/25 H	YDROXY VITAMIN D	3
	DROXY VITAMIN D3): SI		ng/mL	DEFICIENCY: < 20.0
	ESCENCE IMMUNOASSAY)	ERUM <b>20.9<sup>L</sup></b>	ng/ mL	INSUFFICIENCY: 20.0 - 30.0
.,				SUFFICIENCY: 30.0 - 100.0
				TOXICITY: > 100.0
INTERPRETATION:				
	CIENT:	< 20		ng/mL
	ICIENT:	21 - 29		ng/mL
	D RANGE: CATION:	<u> </u>		ng/mL
issue and tightly bou 3. Vitamin D plays a p bosphate reabsorpt 4. Severe deficiency n <b>DECREASED:</b> 1. Lack of sunshine ex 2. Inadequate intake, 3. Depressed Hepatic 4. Secondary to advar 5. Osteoporosis and S 5. Enzyme Inducing dr <b>NCREASED:</b> 1. Hypervitaminosis E severe hypercalcemia <b>CAUTION:</b> Replaceme hypervitaminosis D <b>NOTE:</b> -Dark coloured	and by a transport protein rimary role in the mainter ion, skeletal calcium depo nay lead to failure to mine posure. malabsorption (celiac dise Vitamin D 25- hydroxylase econdary Hyperparathroic rugs: anti-epileptic drugs li D is Rare, and is seen only a and hyperphophatemia. nt therapy in deficient ind individuals as compare to w	while in circulation. ance of calcium home sition, calcium mobiliza ralize newly formed os ease) activity ism (Mild to Moderate ke phenytoin, phenoba after prolonged exposu viduals must be monit	ostatis. It promotes calciu ation, mainly regulated by teoid in bone, resulting in e deficiency) arbital and carbamazepine, ure to extremely high doses ored by periodic assessme	sport form of Vitamin D, being stored in adipose m absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. that increases Vitamin D metabolism. s of Vitamin D. When it occurs, it can result in nt of Vitamin D levels in order to prevent ciency due to excess of melanin pigment which
interefere with Vitami	η τι αυδοι μποπ.			

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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







	Chairman & C	onsultant Patholog	ist CEO & Consultant	Pathologist
NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1711253
COLLECTED BY	:		REG. NO./LAB NO.	: 012412290010
REFERRED BY			<b>REGISTRATION DATE</b>	: 29/Dec/2024 09:34 AM
BARCODE NO.	:01523151		COLLECTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 29/Dec/2024 12:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANT'	Г	
Test Name		Value	Unit	Biological Reference interval
VITAMIN B12/COE by CMIA (CHEMILUMIN	BALAMIN: SERUM	135 <sup>L</sup>	8 <b>12/COBALAMIN</b> pg/mL	190.0 - 890.0
INTERPRETATION:-		-		
	SED VITAMIN B12		DECREASED VITAMIN	N B12
1.Ingestion of Vitamin C		1.Pregi	nancy GS:Aspirin, Anti-convulsants	Calabiaina
2.Ingestion of Estro 3.Ingestion of Vitan			nol Igestion	
4.Hepatocellular in			traceptive Harmones	
5.Myeloproliferativ			nodialysis	
6.Uremia			tiple Myeloma	
2.In humans, it is ob 3.The body uses its v excreted. 4.Vitamin B12 deficié ileal resection, small 5.Vitamin B12 deficié proprioception, poor	ency may be due to lack of IF s intestinal diseases). ency frequently causes macroo coordination, and affective b ts without macrocytic anemia. nic acid and homocysteine lev or antibodies to intrinsic facto	ins and requires in nically, reabsorbin ecretion by gastric cytic anemia, gloss ehavioral changes. rels are also elevat rr (IF) is recommen	ntrinsic factor (IF) for absorp g vitamin B12 from the ileun mucosa (eg, gastrectomy, g itis, peripheral neuropathy, These manifestations may d ed in vitamin B12 deficiency ided to identify this potentia t tissue deficiency of vitamin	n and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (e weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cho MD (Pathology & Chairman & Cons		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE	PATIE	NT ID	: 1711253
COLLECTED BY	:	REG. N	O./LAB NO.	: 012412290010
<b>REFERRED BY</b>	:	REGIS	FRATION DATE	: 29/Dec/2024 09:34 AM
BARCODE NO.	:01523151		CTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A		RTING DATE	: 29/Dec/2024 10:53AM
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATH	łOLOGY	
	URINE RO	UTINE & MICROSC	<b>OPIC EXAMIN</b>	ATION
PHYSICAL EXAMI	NATION			
QUANTITY RECIEV	ED	10	ml	
COLOUR		PALE YELLOW		PALE YELLOW
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		HAZY		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		>=1.030		1.002 - 1.030
CHEMICAL EXAMI	INATION			
REACTION	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
SUGAR	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
,	CTANCE SPECTROPHOTOMETRY	<=5.0		5.0 - 7.5
pH by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
BILIRUBIN by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
UROBILINOGEN	CTANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0
by DIP STICK/REFLEC KETONE BODIES	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY			
BLOOD by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	TRACE		NEGATIVE (-ve)
ASCORBIC ACID by DIP STICK/REFLEC MICROSCOPIC EX	CTANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS		1-3	/HPF	0 - 3

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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

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

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

NAME	: Mrs. JASVEER			
AGE/ GENDER	: 39 YRS/FEMALE	PATIE	NT ID	: 1711253
COLLECTED BY	:	REG. N	O./LAB NO.	: 012412290010
<b>REFERRED BY</b>	:	REGIS	<b>FRATION DATE</b>	: 29/Dec/2024 09:34 AM
BARCODE NO.	: 01523151	COLLE	CTION DATE	: 29/Dec/2024 09:38AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOI	TING DATE	: 29/Dec/2024 10:53AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMH	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval

PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	0-2	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/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 \*\*\*





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

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

