



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	M	a m Chopra ID (Pathology) ant Pathologist	
NAME	: Mrs. ARUNA PARASHAR				
AGE/ GENDER	: 73 YRS/FEMALE		PATIENT ID	: 173108	32
COLLECTED BY	:		REG. NO./LAB NO.	:01250	1220007
REFERRED BY	: FORTIS HOSPITAL (MOHALI)		REGISTRATION DATE	:22/Jan/	/2025 08:58 AM
BARCODE NO.	:01524221		COLLECTION DATE		/2025 09:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Jan/	/2025 10:10AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CAN'I".	ľ		
Test Name		Value	Unit		Biological Reference interval
	SW/A ST		ELLNESS PANEL: 1	15	
			LOOD COUNT (CBC)	1.0	
DED BLOOD CELLS	(RBCS) COUNT AND INDICES	LEIEDI			
HAEMOGLOBIN (HI		13.1	gm/dI		12.0 - 16.0
by CALORIMETRIC			ů l		
RED BLOOD CELL (RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	4.23	Millior	ns/cmm	3.50 - 5.00
ACKED CELL VOLU	JME (PCV)	38.5	%		37.0 - 50.0
MEAN CORPUSCULA	UTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV)	91	fL		80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER	0.1			
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	31	pg		27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	34	g/dL		32.0 - 36.0
•	UTION WIDTH (RDW-CV)	13.7	%		11.00 - 16.00
	utomated hematology analyzer UTION WIDTH (RDW-SD)	46.8	fL		35.0 - 56.0
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	40.8	IL		35.0 - 56.0
MENTZERS INDEX		21.51	RATIO		BETA THALASSEMIA TRAIT: <
by OALOOLATED					13.0 IRON DEFICIENCY ANEMIA:
					>13.0
GREEN & KING IND by calculated	DEX	29.5	RATIO		BETA THALASSEMIA TRAIT:< 65.0
					IRON DEFICIENCY ANEMIA: >
WHITE BLOOD CEI	IS (WRCS)				65.0
TOTAL LEUCOCYTE		5210	/cmm		4000 - 11000
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY		/ chilli		
	LOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL			0.00 - 20.00
NUCLEATED RED B	LOOD CELLS (nRBCS) %	NIL	%		< 10 %
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER				





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



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Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist CEC rs. ARUNA PARASHAR YRS/FEMALE PATIENT I REG. NO./I

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

: Mrs. ARUNA PARASHAR		
: 73 YRS/FEMALE	PATIENT ID	: 1731082
:	REG. NO./LAB NO.	: 012501220007
: FORTIS HOSPITAL (MOHALI)	REGISTRATION DATE	: 22/Jan/2025 08:58 AM
:01524221	COLLECTION DATE	: 22/Jan/2025 09:08AM
: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Jan/2025 10:10AM
: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
	: 73 YRS/FEMALE : : FORTIS HOSPITAL (MOHALI) : 01524221 : KOS DIAGNOSTIC LAB	: 73 YRS/FEMALEPATIENT ID:REG. NO./LAB NO.: FORTIS HOSPITAL (MOHALI)REGISTRATION DATE: 01524221COLLECTION DATE: KOS DIAGNOSTIC LABREPORTING DATE: 6349/1, NICHOLSON ROAD, AMBALA CANTT

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	51	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	30	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	13 ^H	%	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	2657	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1563	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	313	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	677	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	226000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.27	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	12	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	89000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	39.6	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.3	%	15.0 - 17.0





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Test Name		Value	Unit	Biological Reference	interval
GLYCOSYLATED HA WHOLE BLOOD	GLYCOS EMOGLOBIN (HbA1c):	YLATED HAEM 5.7	OGLOBIN (HBA1) %	4.0 - 6.4	
by HPLC (HIGH PERFOR	RMANCE LIQUID CHROMATOGRAPHY) GE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY)	116.89	mg/dL	60.00 - 140.00	
	AS PER AMERICAN DIA	ABETES ASSOCIATIO	N (ADA):		
	REFERENCE GROUP	GLYCOS	SYLATED HEMOGLOGIB	(HBAIC) in %	
	abetic Adults >= 18 years	/	<5.7		
	t Risk (Prediabetes)		5.7 – 6.4		
D	iagnosing Diabetes		>= 6.5		
			Age > 19 Years		
Thorseret	is goals for glussmin control	Goals of Th		< 7.0	
inerapeut	ic goals for glycemic control	Actions Sug	<u> </u>	>8.0	
		Goal of th	Age < 19 Years	<7.5	

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Cho MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)
JAME	: Mrs. ARUNA PARASHAR			
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BARCODE NO.	: 01524221	COL	LECTION DATE	: 22/Jan/2025 09:08AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 22/Jan/2025 10:56AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
by RED CELL AGGRE ITERPRETATION: ESR is a non-speci- nmune disease, but An ESR can be affe s C-reactive proteir This test may also rstemic lupus eryth	does not tell the health practitione ected by other conditions besides in be used to monitor disease activity ematosus W ESR	r exactly where the flammation. For thi and response to th	inflammation is in th s reason, the ESR is ty erapy in both of the a	ion associated with infection, cancer and auto-
bolycythaemia), sig s sickle cells in sick OTE: . ESR and C - reactiv . Generally, ESR dod . CRP is not affected . If the ESR is eleval . Women tend to ha . Drugs such as dex	hificantly high white blood cell cour le cell anaemia) also lower the ESR es protein (C-RP) are both markers o es not change as rapidly as does CRI I by as many other factors as is ESR, ed, it is typically a result of two typ we a higher ESR, and menstruation	nt (leucocytosis) , ai - f inflammation. P, either at the start making it a better n es of proteins, glob and pregnancy can d	nd some protein abno of inflammation or a narker of inflammation ulins or fibrinogen. ause temporary eleva	n.





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BARCODE NO.	:01524221		COLLECTION DATE	: 22/Jan/2025 09:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Jan/2025 10:37AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTI	2	
Test Name		Value	Unit	Biological Reference interval
	CLINIC		STRY/BIOCHEMIST E FASTING (F)	'nRY
GLUCOSE FASTING by GLUCOSE OXIDAS	G (F): PLASMA E - PEROXIDASE (GOD-POD)	106.01 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients. 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE.	: Mrs. ARUNA PARASHAR : 73 YRS/FEMALE : : FORTIS HOSPITAL (MOHALI) : 01524221 : KOS DIAGNOSTIC LAB	F F C	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1731082 : 012501220007 : 22/Jan/2025 08:58 AM : 22/Jan/2025 09:08AM : 22/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM		TL-24	Diele vieel Defense en internel
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		183.45	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S. by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	98.79	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBIT	L (DIRECT): SERUM Ion	48.79	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		114.9	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 CHOLEST by calculated, spe		134.66 ^H	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		19.76	mg/dL	0.00 - 45.00
by CALCULATED, SPE FOTAL LIPIDS: SER by CALCULATED, SPE	UM	465.69	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		3.76	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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		2.35	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		2.02 ^L	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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	MD (Pathology & Mi Chairman & Consult		MD (CEO & Consultant	Pathology) Pathologist
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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION 7	ГЕ ST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.83	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.25	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.58	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	32.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	44.2	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.73	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	54.92	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	42.22	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	7.52	gm/dL	6.20 - 8.00
ALBUMIN: SERUM	REEN	4.28	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		3.24	gm/dL	2.30 - 3.50
A : G RATIO: SERU		1.32	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

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.

Dr. Vinay Chopra

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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INTERPRETATION





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Test Name	1	/alue 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).

PROGNOSTIC SIGNIFICANCE:

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



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Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM	IATE DEHYDROGENASE (GLDH)	21.38	mg/dL	10.00 - 50.00
CREATININE: SER	UM	1.01	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	CTROPHOTOMETERY ROGEN (BUN): SERUM	9.99	mg/dL	7.0 - 25.0
by CALCULATED, SPE	ECTROPHOTOMETRY	0.00		
BLOOD UREA NITE RATIO: SERUM	ROGEN (BUN)/CREATININE	9.89 ^L	RATIO	10.0 - 20.0
	ECTROPHOTOMETRY			
UREA/CREATININ		21.17	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		7.11 ^H	mg/dL	2.50 - 6.80
by URICASE - OXIDAS	SE PEROXIDASE		°,	
CALCIUM: SERUM by ARSENAZO III, SPE	ECTROPHOTOMETRY	9.64	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH		3.43	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		142.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV		4.5.4	1 /1	0.50 5.00
POTASSIUM: SERU by ISE (ION SELECTIV		4.74	mmol/L	3.50 - 5.00
CHLORIDE: SERUN by ISE (ION SELECTIV	/E ELECTRODE)	106.95	mmol/L	90.0 - 110.0
ESTIMATED GLON	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED INTERPRETATION:	IERULAR FILTERATION RATE	58.8		

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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AGE/ GENDER : 73 COLLECTED BY : REFERRED BY : FO BARCODE NO. : 01: CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetraction (>20:1) W	olus production or tissue breakdown (gh fever). Ireter colostomy) Ibnormal creatinine production)	REGISTI COLLEC REPORT LA CANTT Value	D./LAB NO. RATION DATE TION DATE TING DATE Unit	,	AM AM Reference interval
COLLECTED BY : REFERRED BY : FO BARCODE NO. : 01: CLIENT CODE. : KO CLIENT ADDRESS : 63: Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	RTIS HOSPITAL (MOHALI) 524221 S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AMBA blus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	REG. NO REGISTI COLLEC REPORT LA CANTT Value	D./LAB NO. RATION DATE TION DATE TING DATE Unit	: 012501220007 : 22/Jan/2025 08:58 : 22/Jan/2025 09:08, : 22/Jan/2025 11:25, Biological	AM AM Reference interval
BARCODE NO. : 01: CLIENT CODE. : KO CLIENT ADDRESS : 63: Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	524221 S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AMBA blus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	REGISTI COLLEC REPORT LA CANTT Value	RATION DATE TION DATE FING DATE Unit	: 22/Jan/2025 08:58 : 22/Jan/2025 09:08 : 22/Jan/2025 11:25 Biological	AM AM Reference interval
REFERRED BY : FO BARCODE NO. : 011 CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name : 4. High protein intake. : 5. Impaired renal function : 6. Excess protein intake or p : burns, surgery, cachexia, hi : 7. Urine reabsorption (e.g. u : 8. Reduced muscle mass (si : 9. Certain drugs (e.g. tetraction :	524221 S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AMBA blus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	REGISTI COLLEC REPORT LA CANTT Value	RATION DATE TION DATE FING DATE Unit	: 22/Jan/2025 08:58 : 22/Jan/2025 09:08 : 22/Jan/2025 11:25 Biological	AM AM Reference interval
BARCODE NO. : 01: CLIENT CODE. : KO CLIENT ADDRESS : 63: Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	524221 S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AMBA blus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	COLLEC REPORT LA CANTT Value	TION DATE FING DATE Unit	: 22/Jan/2025 09:08, : 22/Jan/2025 11:25, Biological	AM AM Reference interval
CLIENT CODE. : KO CLIENT ADDRESS : 63 Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetraction (>20:1) M	S DIAGNOSTIC LAB 49/1, NICHOLSON ROAD, AMBA blus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	REPORT LA CANTT Value	TING DATE Unit	: 22/Jan/2025 11:25. Biological	AM Reference interval
CLIENT ADDRESS : 63 Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	49/1, NICHOLSON ROAD, AMBA oblus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	LA CANTT Value	Unit	Biological	Reference interval
Test Name 4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. t 8. Reduced muscle mass (so 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	olus production or tissue breakdown (gh fever). ureter colostomy) ubnormal creatinine production) ycline, glucocorticoids)	Value		,	
4. High protein intake. 5. Impaired renal function 6. Excess protein intake or p burns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	olus production or tissue breakdown (gh fever). Ireter colostomy) Ibnormal creatinine production) ycline, glucocorticoids)			,	
5. Impaired renal function 6. Excess protein intake or pourns, surgery, cachexia, hi 7. Urine reabsorption (e.g. u 8. Reduced muscle mass (su 9. Certain drugs (e.g. tetrac INCREASED RATIO (>20:1) M	production or tissue breakdown (gh fever). Ireter colostomy) Ibnormal creatinine production) ycline, glucocorticoids)	e.g. infection, GI ble	eeding, thyrotoxi	cosis, Cushing's syndrom	e, high protein diet,
6. Inherited hyperammone 7. SIADH (syndrome of inap 8. Pregnancy. DECREASED RATIO (<10:1) V 1. Phenacimide therapy (ac 2. Rhabdomyolysis (release 3. Muscular patients who d INAPPROPIATE RATIO: 1. Diabetic ketoacidosis (ac should produce an increase 2. Cephalosporin therapy (ii <u>ESTIMATED GLOMERULAR F</u> <u>CKD STAGE</u> G1	vation. d urea synthesis. ather than creatinine diffuses ou mias (urea is virtually absent in b propiate antidiuretic harmone) d /ITH INCREASED CREATININE: celerates conversion of creatine s muscle creatinine). evelop renal failure. etoacetate causes false increase d BUN/creatinine ratio). nterferes with creatinine measure LTERATION RATE: 	blood). lue to tubular secret to creatinine). in creatinine with c ement). GFR (mL/min/1 >90	tion of urea. certain methodol	SSOCIATED FINDINGS	l ratio when dehydrat
G2	Kidney damage with	>90	F	Presence of Protein ,	
	normal or high GFR			pumin or cast in urine	
G3a	Mild decrease in GFR	60 -89			
	Moderate decrease in GFR Severe decrease in GFR	30-59			
G3b G4		15-29 <15			





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Test Name		Value Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1. NICHOLSON ROAD. AMBA	LA CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Jan/2025 11:25AM
BARCODE NO.	: 01524221	COLLECTION DATE	: 22/Jan/2025 09:08AM
REFERRED BY	: FORTIS HOSPITAL (MOHALI)	REGISTRATION DATE	: 22/Jan/2025 08:58 AM
COLLECTED BY	:	REG. NO./LAB NO.	: 012501220007
AGE/ GENDER	: 73 YRS/FEMALE	PATIENT ID	: 1731082
NAME	: Mrs. ARUNA PARASHAR		
	MD (Pathology & Micro Chairman & Consultant		D (Pathology) nt Pathologist
	Dr. Vinay Chopra		n Chopra

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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	1	Dr. Vinay Chopra 1D (Pathology & Microbid			Pathology)
	(Chairman & Consultant Pa	athologist	CEO & Consultant F	Pathologist
NAME	: Mrs. ARUNA	PARASHAR			
AGE/ GENDER	: 73 YRS/FEMA	LE	Р	ATIENT ID	: 1731082
COLLECTED BY	:		R	EG. NO./LAB NO.	: 012501220007
REFERRED BY	: FORTIS HOSF	PITAL (MOHALI)	R	EGISTRATION DATE	: 22/Jan/2025 08:58 AM
BARCODE NO.	:01524221		С	OLLECTION DATE	: 22/Jan/2025 09:08AM
CLIENT CODE.	: KOS DIAGNO	STIC LAB	R	EPORTING DATE	: 22/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICH	IOLSON ROAD, AMBALA	CANTT		
Test Name		Va	lue	Unit	Biological Reference interval
			IRON P	ROFILE	
IRON: SERUM			9.8	μg/dL	37.0 - 145.0
by FERROZINE, SPEC			28.7	ug (dI	150.0 - 336.0
SERUM	UN DINDING CP	PACITY(UIDC) = 2i	20.1	µg/dL	130.0 - 330.0
by FERROZINE, SPEC					
TOTAL IRON BIND	ING CAPACITY	(TIBC) 3	18.5	μg/dL	230 - 430
:SERUM by SPECTROPHOTOM	IETERY				
%TRANSFERRIN S	ATURATION: SI		8.19	%	15.0 - 50.0
by CALCULATED, SPE			00.14		200.0 250.0
TRANSFERRIN: SE		21	26.14	mg/dL	200.0 - 350.0
INTERPRETATION:-	, ,				
VARIAB	LES	ANEMIA OF CHRONIC D	ISEASE	IRON DEFICIENCY ANEMIA	THALASSEMIA α/β TRAIT

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

IRON:

1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency

anemia, anemia of chronic disease and thalassemia syndromes.
 It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.
 TOTAL IRON BINDING CAPACITY (TIBC): It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

% TRANSFERRIN SATURATION:

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





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	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	crobiology) MD) (Pathology)	
NAME	: Mrs. ARUNA PARASHAR				
AGE/ GENDER	: 73 YRS/FEMALE		PATIENT ID	: 1731082	
COLLECTED BY	:		REG. NO./LAB NO.	: 012501220007	
REFERRED BY	: FORTIS HOSPITAL (MOHALI)		REGISTRATION DATE	: 22/Jan/2025 08:58 AM	
BARCODE NO.	: 01524221		COLLECTION DATE	: 22/Jan/2025 09:08AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 22/Jan/2025 10:50AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		ENDOCI	RINOLOGY		
			RINOLOGY FION TEST: TOTAL		
TRIIODOTHYRONI by CMIA (CHEMILUMIN	THYRO			0.35 - 1.93	
by CMIA (CHEMILUMIN THYROXINE (T4): S	THYRO NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY)	DID FUNC	FION TEST: TOTAL	0.35 - 1.93 4.87 - 12.60	
THYROXINE (T4): 5 by CMIA (CHEMILUMIN THYROID STIMULA	THYRO NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY) SERUM	DID FUNC 0.869	FION TEST: TOTAL ng/mL		
by CMIA (CHEMILUMIN THYROXINE (T4): S by CMIA (CHEMILUMIN THYROID STIMULA	THYRO NE (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY) SERUM NESCENT MICROPARTICLE IMMUNOASSAY) ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASSAY)	0 ID FUNC 0.869 9.45	FION TEST: TOTAL ng/mL μgm/dL	4.87 - 12.60	

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 (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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microt Chairman & Consultant		(Pathology)
NAME	: Mrs. ARUNA PARASHAR		
AGE/ GENDER	: 73 YRS/FEMALE	PATIENT ID	: 1731082
COLLECTED BY	:	REG. NO./LAB NO.	: 012501220007
REFERRED BY	: FORTIS HOSPITAL (MOHALI)	REGISTRATION DATE	: 22/Jan/2025 08:58 AM
BARCODE NO.	: 01524221	COLLECTION DATE	: 22/Jan/2025 09:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 22/Jan/2025 10:50AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL	A CANTT	
Test Norma	1	Talaa Tiatta	Biological Defenses interval

Test Name		Value	Unit	Biological Reference interv		
0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50		
0.35 - 1.93	11 - 19 Years	4.87-13.20	11 – 19 Years	0.50 - 5.50		
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			
	0.35 - 1.93 0.35 - 1.93 RECOM 1st Trimester 2nd Trimester	0.35 - 1.9311 - 19 Years0.35 - 1.93> 20 Years (Adults)RECOMMENDATIONS OF TSH LI1st Trimester2nd Trimester2nd Trimester2nd Trimester	0.92 - 2.28 1 - 10 Years 6.00 - 13.80 0.35 - 1.93 11 - 19 Years 4.87 - 13.20 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 RECOMMENDATIONS OF TSH LEVELS DURING PRE 1st Trimester 2nd Trimester	0.92 - 2.28 1 - 10 Years 6.00 - 13.80 1 - 10 Years 0.35 - 1.93 11 - 19 Years 4.87 - 13.20 11 - 19 Years 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 > 20 Years (Adults) RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (µIU/mL) 1st Trimester 0.10 - 2.50 2nd Trimester 0.20 - 3.00	0.92 - 2.28 1 - 10 Years 6.00 - 13.80 1 - 10 Years 0.60 - 5.50 0.35 - 1.93 11 - 19 Years 4.87 - 13.20 11 - 19 Years 0.50 - 5.50 0.35 - 1.93 > 20 Years (Adults) 4.87 - 12.60 > 20 Years (Adults) 0.35 - 5.50 RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (μΙU/mL) 1st Trimester 0.10 - 2.50 2nd Trimester 0.20 - 3.00	

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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
VAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. ARUNA PARASHAR : 73 YRS/FEMALE : : FORTIS HOSPITAL (MOHALI) : 01524221 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	R R C R	ATIENT ID EEG. NO./LAB NO. EEGISTRATION DATE OLLECTION DATE EEPORTING DATE	: 1731082 : 012501220007 : 22/Jan/2025 08:58 AM : 22/Jan/2025 09:08AM : 22/Jan/2025 10:50AM
Test Name		Value	Unit	Biological Reference interval
		VITA	MINS	
	VITAN		DROXY VITAMIN D	3
	(DROXY VITAMIN D3): SERUM IESCENCE IMMUNOASSAY)	51.8	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
	ICIENT:	< 20	nç	ı/mL
	FICIENT:	21 - 29		/mL
INTOX I.Vitamin D compou conversion of 7- dihy 2.25-OHVitamin D issue and tightly bo 3.Vitamin D plays a beenbate reabsorp	vdrocholecalciferol to Vitamin D3 i represents the main body resevoir und by a transport protein while in primary role in the maintenance of	in the skin upon U and transport form n circulation. f calcium homeosi calcium mobilizatio	ng ants, Vitamin D2), or cho Itraviolet exposure. m of Vitamin D and transp tatis. It promotes calcium	I/mL I/mL ecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose absorption, renal calcium absorption and arathyroid harmone (PTH). ckets in children and osteomalacia in adults.

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)







	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)		Dr. Yugan MD & Consultant	(Pathology)
IAME	: Mrs. ARUNA PARASHAR				
GE/ GENDER	: 73 YRS/FEMALE		PATIENT ID		: 1731082
COLLECTED BY	:		REG. NO./LA	B NO.	: 012501220007
REFERRED BY	: FORTIS HOSPITAL (MOHALI)		REGISTRAT	ON DATE	: 22/Jan/2025 08:58 AM
BARCODE NO.	:01524221		COLLECTION		: 22/Jan/2025 09:08AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING		: 22/Jan/2025 11:00AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			DAIL	
LIENI ADDRESS	. 0349/1, MCHOLSON ROAD, AM	IDALA CAN I	1		
Fest Name		Value		Unit	Biological Reference interval
NTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASSA	301 (Y)		pg/mL	190.0 - 890.0
INCREAS 1.Ingestion of Vitam	ED VITAMIN B12	1.Pregr			N B12
2.Ingestion of Estrog			GS:Aspirin, Anti	-convulsants	, Colchicine
3.Ingestion of Vitam			nol Igestion		
4.Hepatocellular in		4. Contraceptive Harmones			
5.Myeloproliferativ 6.Uremia	e disorder	5.Haemodialysis 6. Multiple Myeloma			
	amin) is necessary for hematopoies			ction.	
2.In humans, it is obt	ained only from animal proteins ar	nd requires ir	ntrinsic factor (I	F) for absorp	
3.The body uses its vi excreted.	tamin B12 stores very economically	, reabsorbing	g vitamin B12 fr	om the ileun	n and returning it to the liver; very little is
Vitamin B12 deficie	ncy may be due to lack of IF secreti	on by gastric	: mucosa (eg, ga	strectomy, g	jastric atrophy) or intestinal malabsorption (eg,
	intestinal diseases).	nomia aloss	itic poriphoral	nouronathy	weakness, hyperreflexia, ataxia, loss of
proprioception, poor	coordination, and affective behavior	oral changes.	These manifes	tations may	occur in any combination; many patients have
	s without macrocytic anemia.		a din vitansin Di	10 doficioneu	(atataa
o.Serum metrivimaio	nic acid and homocysteine levels ar or antibodies to intrinsic factor (IF)				al cause of vitamin B12 malabsorption.
					B12. The most sensitive test for vitamin B12
.Follow-up testing for IOTE: A normal serur					
'.Follow-up testing fo IOTE:A normal serun leficiency at the cellu	lar level is the assay for MMA. If cl	inical sympto		iciency, mea	surement of MMA and homocysteine should be
'.Follow-up testing fo IOTE:A normal serun leficiency at the cellu		inical sympto		iciency, mea	





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

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Chop MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD O & Consultant	(Pathology)
NAME	: Mrs. ARUNA PARASHAR			
AGE/ GENDER	: 73 YRS/FEMALE	PATIENT I	D	: 1731082
COLLECTED BY	:	REG. NO./I	LAB NO.	: 012501220007
REFERRED BY	: FORTIS HOSPITAL (MOHALI)	REGISTRA	TION DATE	: 22/Jan/2025 08:58 AM
BARCODE NO.	: 01524221	COLLECTIO		: 22/Jan/2025 09:08AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTIN	IG DATE	: 22/Jan/2025 10:26AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PATHO FINE & MICROSCOP		ATION
PHYSICAL EXAMIN	NATION			
QUANTITY RECIEV	ED TANCE SPECTROPHOTOMETRY	10	ml	
COLOUR	TANCE SPECTROPHOTOMETRY	AMBER YELLOW		PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	HAZY		CLEAR
SPECIFIC GRAVITY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	<=1.005		1.002 - 1.030
<u>CHEMICAL EXAMI</u>	<u>NATION</u>			
REACTION by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	6.5		5.0 - 7.5
BILIRUBIN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE	TANCE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
RED BLOOD CELLS	(RBCs)	NEGATIVE (-ve)	/HPF	0 - 3



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

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

NAME	: Mrs. ARUNA PARASHAR							
AGE/ GENDER	: 73 YRS/FEMALE	PATIENT	ID	: 1731082				
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CLIENT ADDRESS	CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT							
Test Name		Value	Unit	Biological Reference interval				
by MICROSCOPY ON	CENTRIFUGED URINARY SEDIMENT							
PUS CELLS		3-5	/HPF	0 - 5				
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT EPITHELIAL CELLS		4-6	/HPF	ABSENT				
	CENTRIFUGED URINARY SEDIMENT	4-0	/ 111 1	ADSLIVI				
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)				
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		NEGATIVE (-ve)		NEGATIVE (-ve)				
BACTERIA		NEGATIVE (-ve)		NEGATIVE (-ve)				

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT

End Of Report *

NEGATIVE (-ve)

ABSENT



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NEGATIVE (-ve)

ABSENT