



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)		) (Pathology)
NAME	: Mrs. POOJA CHHABRA			
AGE/ GENDER	: 44 YRS/FEMALE		PATIENT ID	: 1720688
COLLECTED BY	: SURJESH		<b>REG. NO./LAB NO.</b>	:012501100011
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 10/Jan/2025 09:34 AM
BARCODE NO.	: 01523708		COLLECTION DATE	: 10/Jan/2025 10:05AM
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMB	ΔΙ Δ C ΔΝΤΊ	REPORTING DATE	: 10/Jan/2025 10:35AM
CLIENT ADDRESS	. 0343/ I, NICHOLSON KOAD, AMD	ALA CANTI		
Test Name		Value	Unit	<b>Biological Reference interva</b>
	SWAST	THYA W	ELLNESS PANEL: G	2
	COME	PLETE BI	OOD COUNT (CBC)	
RED BLOOD CELLS	<u>S (RBCS) COUNT AND INDICES</u>			
HAEMOGLOBIN (H	B)	9.9 <sup>L</sup>	gm/dL	12.0 - 16.0
RED BLOOD CELL		4.99	Millions	s/cmm 3.50 - 5.00
by HYDRO DYNAMIC I PACKED CELL VOL	FOCUSING, ELECTRICAL IMPEDENCE	31.9 <sup>L</sup>	%	37.0 - 50.0
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER			
	AR VOLUME (MCV) AUTOMATED HEMATOLOGY ANALYZER	63.9 <sup>L</sup>	fL	80.0 - 100.0
	AR HAEMOGLOBIN (MCH)	19.9 <sup>L</sup>	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC)	31.1 <sup>L</sup>	g/dL	32.0 - 36.0
	AUTOMATED HEMATOLOGY ANALYZER SUTION WIDTH (RDW-CV)	10 oH	%	11.00 - 16.00
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER	16.9 <sup>H</sup>		
	SUTION WIDTH (RDW-SD)	40.7	fL	35.0 - 56.0
MENTZERS INDEX		12.81	RATIO	BETA THALASSEMIA TRAIT:
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
GREEN & KING INI	DEX	21.71	RATIO	BETA THALASSEMIA TRAIT: 65.0
by CALCOLATED				IRON DEFICIENCY ANEMIA:
				65.0
WHITE BLOOD CE		4140	/cmm	4000 - 11000
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY		/ cmm	4000 - 11000
	BLOOD CELLS (nRBCS) rt hematology analyzer	NIL		0.00 - 20.00
NUCLEATED RED H	BLOOD CELLS (nRBCS) %	NIL	%	< 10 %
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER			





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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	<b>Dr. Vinay Chop</b> MD (Pathology & M Chairman & Consul	icrobiology)	Dr. Yugam MD ( CEO & Consultant	(Pathology)
NAME	: Mrs. POOJA CHHABRA			
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Test Name		Value	Unit	Biological Reference interval
		value	Unit	biological kelerence inter var
	<u>EUCOCYTE COUNT (DLC)</u>	50	0/	50. 70
NEUTROPHILS by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	53	%	50 - 70
LYMPHOCYTES		36	%	20 - 40
by FLOW CYTOMETR'	Y BY SF CUBE & MICROSCOPY	2	%	1 - 6
	Y BY SF CUBE & MICROSCOPY	~		1 - 0
MONOCYTES	Y BY SF CUBE & MICROSCOPY	9	%	2 - 12
BASOPHILS		0	%	0 - 1
	Y BY SF CUBE & MICROSCOPY			
	OCYTES (WBC) COUNT	0104	1	8000 7500
ABSOLUTE NEUTR by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	2194	/cmm	2000 - 7500
ABSOLUTE LYMPH		1490	/cmm	800 - 4900
ABSOLUTE EOSING	Y BY SF CUBE & MICROSCOPY	83	/cmm	40 - 440
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY			
ABSOLUTE MONOC	CYTE COUNT Y by sf cube & microscopy	373	/cmm	80 - 880
	OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT	(PLT) FOCUSING, ELECTRICAL IMPEDENCE	505000 <sup>H</sup>	/cmm	150000 - 450000
PLATELETCRIT (PC	CT)	0.44 <sup>H</sup>	%	0.10 - 0.36
MEAN PLATELET V		9	fL	6.50 - 12.0
	FOCUSING, ELECTRICAL IMPEDENCE CELL COUNT (P-LCC)	89000	/cmm	30000 - 90000
	FOCUSING, ELECTRICAL IMPEDENCE	177	0/	110 450
	CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	17.7	%	11.0 - 45.0
	BUTION WIDTH (PDW)	15.2	%	15.0 - 17.0
	FOCUSING, ELECTRICAL IMPEDENCE			





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	GLYCOS	SYLATED HAE	MOGLOBIN (HBA10	
GLYCOSYLATED HAE	MOGLOBIN (HbA1c):	5.9	%	4.0 - 6.4
WHOLE BLOOD	MOGLOBIN (HbA1c):	5.9		
WHOLE BLOOD by hplc (high perform ESTIMATED AVERAGI	MANCE LIQUID CHROMATOGRAPHY)	5.9 122.63		
WHOLE BLOOD by hplc (high perform ESTIMATED AVERAGI	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	122.63	% mg/dL	4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION:	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI	122.63	% mg/dL ON (ADA):	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu At R	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7 5.7 - 6.4	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu At R	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu At R	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu At R Diag	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years Therapy:	4.0 - 6.4 60.00 - 140.00 (HBAIC) in % < 7.0
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diabu At R Diag	MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	122.63	% mg/dL ON (ADA): OSYLATED HEMOGLOGIB <5.7 5.7 - 6.4 >= 6.5 Age > 19 Years	4.0 - 6.4 60.00 - 140.00 (HBAIC) in %

**KOS Diagnostic Lab** (A Unit of KOS Healthcare)

## COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

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 faisely 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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	Μ	<b>Dr. Vinay Ch</b> ID (Pathology & hairman & Cons			(Pathology)
AME	: Mrs. POOJA C	HHABRA			
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LIENT CODE.	: KOS DIAGNOS	TIC LAB		<b>REPORTING DATE</b>	: 10/Jan/2025 11:12AM
LIENT ADDRESS	: 6349/1, NICH	OLSON ROAD,	AMBALA CANTT		
Test Name			Value	Unit	Biological Reference interval
mmune disease, but An ESR can be affe s C-reactive protein This test may also	GATION BY CAPILLA ic test because an does not tell the cted by other con be used to monito	ATE (ESR) RY PHOTOMETR elevated resul health practitio ditions besides	27H t often indicates ner exactly wher inflammation. Fe	re the inflammation is in the or this reason, the ESR is ty	
by RED CELL AGGRE NTERPRETATION: . ESR is a non-speci nmune disease, but . An ESR can be affe s C-reactive proteir . This test may also ystemic lupus eryth ONDITION WITH LO . Iow ESR can be see polycythaemia), sigi s sickle cells in sick IOTE: . ESR and C - reactive	GATION BY CAPILLA ic test because an does not tell the cted by other con be used to monito ematosus <b>W ESR</b> n with conditions nificantly high whi e cell anaemia) a e protein (C-RP) a	CATE (ESR) RY PHOTOMETR elevated resul health practitio ditions besides or disease activ that inhibit the te blood cell co lso lower the E re both markers	27H t often indicates ner exactly wher inflammation. Fo ity and response e normal sedimer punt (leucocytosi SR. s of inflammatior	mm/1st the presence of inflammat re the inflammation is in the or this reason, the ESR is ty to therapy in both of the a ntation of red blood cells, s is), and some protein abno	hr 0 - 20 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 uch as a high red blood cell count rmalities. Some changes in red cell shape (such
by RED CELL AGGRE <b>NTERPRETATION:</b> . ESR is a non-speci- mmune disease, but . An ESR can be affe s C-reactive protein . This test may also ystemic lupus eryth <b>ONDITION WITH LO</b> . low ESR can be see bolycythaemia), sig s sickle cells in sick <b>IOTE:</b> . ESR and C - reactive . Generally, ESR dod . <b>CRP is not affected</b> . If the ESR is eleval	GATION BY CAPILLA ic test because an does not tell the cted by other con be used to monito ematosus <b>W ESR</b> n with conditions nificantly high whi e cell anaemia) a e protein (C-RP) an es not change as ra by as many other ed, it is typically a ve a higher ESR, a tran, methyldopa,	CATE (ESR) RY PHOTOMETR elevated resul health practitio ditions besides or disease activ that inhibit the te blood cell co lso lower the E re both markers apidly as does C factors as is ES result of two t nd menstruatio oral contracep	27 <sup>H</sup> t often indicates ner exactly wher inflammation. Fo ity and response e normal sedimer bunt (leucocytosi SR. s of inflammation CRP, either at the <b>R, making it a be</b> ypes of proteins, n and pregnancy	mm/1st the presence of inflammat re the inflammation is in the or this reason, the ESR is ty to therapy in both of the a ntation of red blood cells, s is), and some protein abno h. e start of inflammation or as tter marker of inflammation globulins or fibrinogen. can cause temporary eleva	hr 0 - 20 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 uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves. n.





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CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 10/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANT	Т	
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLINI		STRY/BIOCHEMIST E FASTING (F)	'nY
GLUCOSE FASTING by glucose oxidas	F (F): PLASMA E - PEROXIDASE (GOD-POD)	95.53	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

INTERPRETATION IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients. 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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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOT	AL: SERUM	226.15 <sup>H</sup>	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		220.10	8	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
TRIGLYCERIDES: SH	ERUM HATE OXIDASE (ENZYMATIC)	152.04 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0
by deroencernosh	INTE ONIDAGE (ENZTIMATIO)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
HDL CHOLESTEROI	(DIRFCT) · SFRUM	51.38	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0
by SELECTIVE INHIBITI		01.00	ing, ui	BORDERLINE HIGH HDL: 30.0
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL	: SERUM	144.36 <sup>H</sup>	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		111.50	0	ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 - 159.0
				HIGH: 160.0 - 189.0
NON HDL CHOLEST		U	m a / JI	VERY HIGH: $> OR = 190.0$
NON HDL CHOLEST by CALCULATED, SPE		174.77 <sup>H</sup>	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 CHOLESTERO		30.41	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER	UM	604.34	mg/dL	350.00 - 700.00
by CALCULATED, SPEC		1 1	RATIO	I OW DISK: 2 20 4 40
by CALCULATED, SPE		4.4	KAHU	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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Page 6 of 14





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Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.81	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	2.96 <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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	Chairman & Consult			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANT	Г	
Test Name		Value	Unit	<b>Biological Reference interval</b>
			N TEST (COMPLETE)	
BILIRUBIN TOTAL	: SERUM PECTROPHOTOMETRY	0.42	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM SPECTROPHOTOMETRY	0.08	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CCT (UNCONJUGATED): SERUM	0.34	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	[ /RIDOXAL PHOSPHATE	39.7	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	ERUM ECTROPHOTOMETRY	0.9	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	76	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	45.38	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.72	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.14	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.58	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	M ectrophotometry	1.6	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:**

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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	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P		(Pathology)
NAME	: Mrs. POOJA CHHABRA		
AGE/ GENDER	: 44 YRS/FEMALE	PATIENT ID	: 1720688
COLLECTED BY	: SURJESH	<b>REG. NO./LAB NO.</b>	: 012501100011
REFERRED BY	:	<b>REGISTRATION DATE</b>	: 10/Jan/2025 09:34 AM
BARCODE NO.	: 01523708	<b>COLLECTION DATE</b>	: 10/Jan/2025 10:05AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 10/Jan/2025 11:19AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	

#### 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



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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
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CLIENT CODE.	: KOS DIAGNOSTIC LAB				
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN				
Test Name		Value	Unit	Biological Reference interval	
	KIDNE	Y FUNCTION TE	ST (COMPLETE)		
UREA: SERUM		16.77	mg/dL	10.00 - 50.00	
	ATE DEHYDROGENASE (GLDH)		Ũ		
CREATININE: SERU by ENZYMATIC, SPEC		0.91	mg/dL	0.40 - 1.20	
•	ROGEN (BUN): SERUM	7.84	mg/dL	7.0 - 25.0	
by CALCULATED, SPECTROPHOTOMETRY			Ũ		
BLOOD UREA NITROGEN (BUN)/CREATININE		8.62 <sup>L</sup>	RATIO	10.0 - 20.0	
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY				
UREA/CREATININ		18.43	RATIO		
by CALCULATED, SPECTROPHOTOMETRY		2.88	mg/dL	2.50 - 6.80	
URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE		2.00	ilig/ uL	2.30 - 0.80	
CALCIUM: SERUM		9.04	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM		3.1	mg/dL	2.30 - 4.70	
	DATE, SPECTROPHOTOMETRY	5.1	ilig/ uL	2.30 - 4.70	
<u>ELECTROLYTES</u>					
SODIUM: SERUM		141.2	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELECTRODE) POTASSIUM: SERUM		4.3	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIV		4.5		3.30 - 3.00	
CHLORIDE: SERUM		105.9	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIV ESTIMATED GLON	<sup>(</sup> E ELECTRODE) <b>IERULAR FILTERATION RATE</b>				
	ERULAR FILTERATION RATE	79.8			
(eGFR): SERUM	LIVEAN FILTENATION NATE	13.0			
by CALCULATED					
INTERPRETATION:	een nre- and nost renal azotemia				

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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				MD (Path	m <b>Chopra</b> D (Pathology) ht Pathologist		
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CLIENT ADDRESS	IENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT						
Test Name			Value Ur	nit	Biologie	ical Reference int	terval
9. Certain drugs (e.g.	tetracycline, glu	creatinine production)					



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









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Test Name	Value	Unit	<b>Biological Reference interval</b>

COMMENTS:

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

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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		Biological Reference interval
		AINATION
PALE HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY HOTOMETRY	IC tive tive tive hal EU/ tive	PALE YELLOW CLEAR 1.002 - 1.030 NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve) NEGATIVE (-ve) 0.2 - 1.0 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)
	Value         CLINIC         URINE ROUTINE &         IO         HOTOMETRY       PALE         HOTOMETRY       CLEA         HOTOMETRY       ACID         HOTOMETRY       Nega         HOTOMETRY       Nega	REGISTRATION DATE COLLECTION DATE REPORTING DATE REPORTING DATE NET CLASSIN ROAD, AMBALA CANTT Value Unit CLENRCAL PATHOLOGY URINE ROUTINE & MICROSCOPIC EXAM 10 ml PALE YELLOW 102 102 102 102 102 102 102 102



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EXCELLENCE IN HEALTHCARE & DIAGNOSTICS

Dr. Yugam Chopra Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD (Pathology) CEO & Consultant Pathologist NAME : Mrs. POOJA CHHABRA AGE/ GENDER **PATIENT ID** :1720688 : 44 YRS/FEMALE **COLLECTED BY** : SURJESH REG. NO./LAB NO. :012501100011 **REFERRED BY REGISTRATION DATE** : 10/Jan/2025 09:34 AM : **COLLECTION DATE BARCODE NO.** :01523708 : 10/Jan/2025 10:05AM **REPORTING DATE CLIENT CODE.** : KOS DIAGNOSTIC LAB : 10/Jan/2025 10:20AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Nam Val TI---**Dialogical Dafa** amoo into

Test Name	Value	Unit	Biological Reference interval
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5
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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