



	Dr. Vinay Chopra MD (Pathology & Microbi Chairman & Consultant P			(Pathology)	
NAME	: Mrs. REKHA GUPTA				
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018	8
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA	CANTT)	REGISTRATION DATE	:09/Apr/202509	:42 AM
BARCODE NO.	:01528650		COLLECTION DATE	:09/Apr/202509	:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:09/Apr/202510	:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBAL/	A CANTT			
Test Name	V	alue	Unit	Biologic	al Reference interval
	SWASTHV	A WF	LLNESS PANEL: 1	5	
			OOD COUNT (CBC)		
RED BLOOD CELL	S (RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HE	3)	11 ^L	gm/dL	12.0 - 1	6.0
RED BLOOD CELL (by HYDRO DYNAMIC FC	RBC) COUNT	4.14	Millions	cmm 3.50 - 5	5.00
PACKED CELL VOL	UME (PCV) ITOMATED HEMATOLOGY ANALYZER	35.2 ^L	%	37.0 - 5	50.0
MEAN CORPUSCUL	AR VOLUME (MCV) ITOMATED HEMATOLOGY ANALYZER	85	fL	80.0 - 1	00.0
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) ITOMATED HEMATOLOGY ANALYZER	26.7 ^L	pg	27.0 - 3	34.0
	AR HEMOGLOBIN CONC. (MCHC)	31.4 ^L	g/dL	32.0 - 3	36.0
RED CELL DISTRIB	ITOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV) ITOMATED HEMATOLOGY ANALYZER	13.9	%	11.00 -	16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD) ITOMATED HEMATOLOGY ANALYZER	44.4	fL	35.0 - 5	56.0
MENTZERS INDEX by CALCULATED		20.53	RATIO	13.0	THALASSEMIA TRAIT: < DEFICIENCY ANEMIA:
GREEN & KING INE by CALCULATED		91.3	RATIO	BETA 7 <= 65.0	THALASSEMIA TRAIT:) DEFICIENCY ANEMIA: >
WHITE BLOOD CE	LLS (WBCS)				
	BY SF CUBE & MICROSCOPY	6240	/cmm	4000 -	
by AUTOMATED 6 PART	BLOOD CELLS (nRBCS) THEMATOLOGY ANALYZER	NIL		0.00 - 2	
	BLOOD CELLS (nRBCS) %	NIL	%	< 10 %	





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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

 www.koshealthcare.com
 www.koshealthcare.com



Page 1 of 23





NAME	Dr. Vinay Cho MD (Pathology & M Chairman & Consu	& Microbiology) MD (Pathology)			
NAME	: Mrs. REKHA GUPTA		DATIENT ID	. 1999757	
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.		
REFERRED BY	: CENTRAL PHOENIX CLUB (AMI	BALA CANTT)		: 09/Apr/2025 09:42 AM	
BARCODE NO.	: 01528650		COLLECTION DATE	: 09/Apr/2025 09:56AM	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB	ΙΡΑΙ Α CANTT	REPORTING DATE	: 09/Apr/2025 10:35AM	
CLIENI ADDRESS	: 6349/1, NICHOLSON ROAD, AN	IDALA CANT I			
Test Name		Value	Unit	Biological Reference interval	
•	AUTOMATED HEMATOLOGY ANALYZER				
<u>DIFFERENTIAL L</u>	EUCOCYTE COUNT (DLC)				
NEUTROPHILS	Y BY SF CUBE & MICROSCOPY	66	%	50 - 70	
LYMPHOCYTES		26	%	20 - 40	
•	Y BY SF CUBE & MICROSCOPY				
EOSINOPHILS	Y BY SF CUBE & MICROSCOPY	4	%	1 - 6	
MONOCYTES		4	%	2 - 12	
-	Y BY SF CUBE & MICROSCOPY				
BASOPHILS	Y BY SF CUBE & MICROSCOPY	0	%	0 - 1	
-	OCYTES (WBC) COUNT				
ABSOLUTE NEUTE		4118	/cmm	2000 - 7500	
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY				
ABSOLUTE LYMPH	HOCYTE COUNT y by sf cube & microscopy	1622	/cmm	800 - 4900	
ABSOLUTE EOSIN		250	/cmm	40 - 440	
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY				
ABSOLUTE MONO	CYTE COUNT Y BY SF CUBE & MICROSCOPY	250	/cmm	80 - 880	
ABSOLUTE BASOP		0	/cmm	0 - 110	
by FLOW CYTOMETRY	Y BY SF CUBE & MICROSCOPY				
PLATELETS AND	OTHER PLATELET PREDICTI	<u>VE MARKER</u>	<u>.S.</u>		
PLATELET COUNT	Γ (PLT) FOCUSING, ELECTRICAL IMPEDENCE	213000) /cmm	150000 - 450000	
PLATELETCRIT (P		0.26	%	0.10 - 0.36	
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE				
MEAN PLATELET	· /	12 ^H	fL	6.50 - 12.0	
-	FOCUSING, ELECTRICAL IMPEDENCE	88000	/cmm	30000 - 90000	
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE				
	E CELL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	41.5	%	11.0 - 45.0	
	IBUTION WIDTH (PDW)	16.1	%	15.0 - 17.0	
	× /				





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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 10:35AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		
Test Name	Value	Unit	Biological Reference interval

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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

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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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







	Microbiology)		(Pathology)
: Mrs. REKHA GUPTA			
: 53 YRS/FEMALE		PATIENT ID	: 1823757
: SURJESH		REG. NO./LAB NO.	: 012504090018
CENTRAL PHOENIX CLUB (AM	(BALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
			: 09/Apr/2025 09:56AM
			: 09/Apr/2025 12:30PM
			. 09/Api/2023 12.30PM
: 6349/1, NICHOLSON ROAD, A	MBALA CANTI		
	Value	Unit	Biological Reference interva
AEMOGLOBIN (HbA1c):	5.8	AEMOGLOBIN (HBA %	4.0 - 6.4
GE PLASMA GLUCOSE	119.76	mg/dL	60.00 - 140.00
AS PER AMERICAN I	DIABETES ASSOC	IATION (ADA):	
			(HBAIC) in %
	1	<5.7	
At Risk (Prediabetes)		5.7 – 6.4	
agnosing Diabetes		>= 6.5	
a goals for glycomic control			< 7.0
Therapeutic goals for glycemic control		ns Suggested:	>8.0
		Age < 19 Years	
	MD (Pathology & Chairman & Cons : Mrs. REKHA GUPTA : 53 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (AM : 01528650 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A GLYCO AEMOGLOBIN (HbA1c): RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN I EFERENCE GROUP betic Adults >= 18 years Risk (Prediabetes) agnosing Diabetes	MD (Pathology & Microbiology) Chairman & Consultant Pathologis : Mrs. REKHA GUPTA : 53 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB (AMBALA CANTT) : 01528650 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value CLYCOSYLATED H AEMOGLOBIN (HbA1c): 5.8 RMANCE LIQUID CHROMATOGRAPHY) AGE PLASMA GLUCOSE 119.76 RMANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIABETES ASSOC EFERENCE GROUP G betic Adults >= 18 years Risk (Prediabetes) agnosing Diabetes	MD (Pathology & Microbiology) Chairman & Consultant Pathologist MD CEO & Consultant : Mrs. REKHA GUPTA : 53 YRS/FEMALE PATIENT ID : SURJESH REG. NO./LAB NO. : CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE : 01528650 COLLECTION DATE : KOS DIAGNOSTIC LAB REPORTING DATE : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Value Unit GLYCOSYLATED HAEMOGLOBIN (HBA AEMOGLOBIN (HbA1c): 5.8 : 5.8 % MANCE LIQUID CHROMATOGRAPHY) mg/dL AS PER AMERICAN DIABETES ASSOCIATION (ADA): EFERENCE GROUP GLYCOSYLATED HEMOGLOGIE betic Adults >= 18 years <5.7

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.



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





	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE	PATI	ENT ID	: 1823757
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBAI	LA CANTT) REGI	STRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLL	ECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:09/Apr/2025 11:30AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHROCY	TE SEDIMEN	TATION RATE	(ESR)
ERYTHROCYTE S	EDIMENTATION RATE (ESR)	27 ^H	mm/1st h	
 An ESR can be affe as C-reactive protein This test may also systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: ESR and C - reactive Generally, ESR doe CRP is not affected If the ESR is elevat SW Omen tend to ha Drugs such as dext 	be used to monitor disease activity an ematosus W ESR n with conditions that inhibit the norr ificantly high white blood cell count (e cell anaemia) also lower the ESR. e protein (C-RP) are both markers of ir es not change as rapidly as does CRP, e by as many other factors as is ESR, ma ed, it is typically a result of two types ve a higher ESR, and menstruation and	mmation. For this ad response to the nal sedimentation leucocytosis), and flammation. either at the start c iking it a better ma of proteins, globul d pregnancy can ca	reason, the ESR is ty rapy in both of the a of red blood cells, s some protein abno of inflammation or a: rker of inflammatior ins or fibrinogen. use temporary eleva	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 simalities. Some changes in red cell shape (such s it resolves. n .





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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Cł MD (Pathology & Chairman & Cor			(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (A	AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 12:48PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
	CLINIC	AL CHEMIS	STRY/BIOCHEMIS	STRY
		GLUCOSI	E FASTING (F)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.



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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





		Chopra & Microbiology) onsultant Pathologis		(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. REKHA GUPTA : 53 YRS/FEMALE : SURJESH : CENTRAL PHOENIX CLUB : 01528650 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAI	、	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1823757 : 012504090018 : 09/Apr/2025 09:42 AM : 09/Apr/2025 09:56AM : 09/Apr/2025 01:35PM
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TO	TAL · SEDIM	136.01		OPTIMAL: < 200.0
by CHOLESTEROL TO		130.01	mg/dL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSP	SERUM HATE OXIDASE (ENZYMATIC)	67.73	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERC by SELECTIVE INHIBITI	DL (DIRECT): SERUM on	52.73	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO		69.73	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES' by CALCULATED, SPEC		83.28	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	CTROPHOTOMETRY	13.55	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEI by CALCULATED, SPEC		339.75 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HD		2.58	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0

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

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



Page 7 of 23





		Chopra y & Microbiology) consultant Pathologis		(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB	(AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	:01528650		COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:09/Apr/202501:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT	2	
Test Name		Value	Unit	Biological Reference interval
				MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: S by CALCULATED, SPE		1.32	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	1.28 ^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.

 Cow 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





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

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

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







	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)		Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBA	LA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	:01528650	,	COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		· · · · P
Test Name		Value	Unit	Biological Reference interval
	LIVER F	UNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL		0.63	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	T (CONJUGATED): SERUM	0.17	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	ECT (UNCONJUGATED): SERUM	0.46	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	I RIDOXAL PHOSPHATE	17.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM	I RIDOXAL PHOSPHATE	16.5	U/L	0.00 - 49.00
AST/ALT RATIO: S		1.07	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	88.55	U/L	40.0 - 130.0
GAMMA GLUTAM by SZASZ, SPECTROF	YL TRANSFERASE (GGT): SERUN PHTOMETRY	A 14.95	U/L	0.00 - 55.0
TOTAL PROTEINS by BIURET, SPECTRO	: SERUM	6.88	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		4.08	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	4	2.8	gm/dL	2.30 - 3.50
A : G RATIO: SERU by CALCULATED, SPE	M	1.46	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





KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

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

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

Page 9 of 23

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





	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Patholo		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANT	T) REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ITT	
Test Name	Value	Unit	Biological Reference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Inc	reased)
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) DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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







100 0001 2000 0201				
	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	BALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		I
Test Name		Value	Unit	Biological Reference interval
	KIDNE	Y FUNCTIO	ON TEST (COMPLET)	E)
UREA: SERUM		28.21	mg/dL	10.00 - 50.00
	ATE DEHYDROGENASE (GLDH)	20.21	ing dE	10.00 50.00
CREATININE: SER	-	0.86	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	ROGEN (BUN): SERUM	13.18	mg/dL	7.0 - 25.0
by CALCULATED, SPE		15.10	IIIg/uL	1.0 - 23.0
	ROGEN (BUN)/CREATININE	15.33	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE				
UREA/CREATININ		32.8	RATIO	
by CALCULATED, SPE				
URIC ACID: SERUN		5.81	mg/dL	2.50 - 6.80
by URICASE - OXIDAS CALCIUM: SERUM		9.55	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE		7.00	ing dE	0.00 10.00
PHOSPHOROUS: SI		3.32	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		141.7	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	'E ELECTRODE)	141.7	IIIII0/L	155.0 - 150.0
POTASSIUM: SERU		4.33	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUN		106.28	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		100.20		2010 11010
ESTIMATED GLO	MERULAR FILTERATION RAT	<u>re</u>		
	MERULAR FILTERATION RATE	E 80.7		
(eGFR): SERUM				
by CALCULATED INTERPRETATION:				
	een 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.



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

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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt - 133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

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

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





GE/ GENDER : 53 YRS/FEMALE PATIENT ID : 1823757 OLLECTED BY : SURJESH REG. NO./LAB NO. : 012504090018 EFFERED BY : CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 09:56AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE : 09/Apr/2025 01:35PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference interval . Catabolic states with increased tissue breakdown. . . Biological Reference interval . Ghaemorrhage. High protein intake. Braider enal function plus . </th <th></th> <th></th> <th>Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F</th> <th>.,,</th> <th></th> <th>am Chopra 1D (Pathology) ant Pathologist</th> <th></th>			Dr. Vinay Chopra MD (Pathology & Microb Chairman & Consultant F	.,,		am Chopra 1D (Pathology) ant Pathologist	
OLLECTED BY SURJESH REG. NO./LAB NO. : 012504090018 EFERRED BY : CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 01:35PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT : 09/Apr/2025 01:35PM Test Name Value Unit Biological Reference interval . Catabolic states with increased tissue breakdown. Glabeomorrhage. Impaired renal function plus Reduced muscle mass (Subnormal creatinine production) Urine reabsorption (e.g. ureter colostomy) . <t< th=""><th>JAME</th><th>: Mrs. REKHA</th><th>GUPTA</th><th></th><th></th><th></th><th></th></t<>	JAME	: Mrs. REKHA	GUPTA				
OLLECTED BY SURJESH REG. NO./LAB NO. : 012504090018 EFERRED BY : CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 01:35PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT : 09/Apr/2025 01:35PM Test Name Value Unit Biological Reference interval . Catabolic states with increased tissue breakdown. Glabeomorrhage. Impaired renal function plus Reduced muscle mass (Subnormal creatinine production) Urine reabsorption (e.g. ureter colostomy) . <t< th=""><th>AGE/ GENDER</th><th>: 53 YRS/FEM/</th><th>ALE</th><th>P</th><th>PATIENT ID</th><th>: 1823757</th><th></th></t<>	AGE/ GENDER	: 53 YRS/FEM/	ALE	P	PATIENT ID	: 1823757	
EFERRED BY: : CENTRAL PHOENIX CLUB (AMBALA CANTT) REGISTRATION DATE : 09/Apr/2025 09:42 AM ARCODE NO. : 01528650 COLLECTION DATE : 09/Apr/2025 09:56AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE : 09/Apr/2025 01:35PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference interval Catabolic states with increased tissue breakdown. . Biological Reference interval . Gatabolic states with increased tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). . . Urine reabsorption (e.g. ureter colostomy) . . . Reduced muscle mass (subnormal creatinine production) . . . Certain drug (e.g. tetracycline, glucocorticoids) . . Verteenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . . Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . . Pretenal azotemia superimposed on renal disease. . . EORASED RATIO (-0:1) WITH DECREASED BUN : . . . Auste tubular necrosis. Other causes of decreased urea synthes)
ARCODE NO. : 10528650 COLLECTION DATE : 09/Apr/2025 09:56AM LIENT CODE : KOS DIAGNOSTIC LAB REPORTING DATE : 09/Apr/2025 01:35PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Fest Name Value Visit Biological Reference interval Catabolic states with increased tissue breakdown. G haemorrhage. High protein intake or production or tissue breakdown (e.g. infection, Gi bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) . Certain drug (e.g. tetrazville. glucocorticolds) VEREASED RATIO (20:1) WITH ELEVATED CREATININE LEVELS: Postrenal azotemia (BUN rise disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia (BUN rise disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia synthesis. . Low protein diet and starvation. Severe liver disease. . Other causes of decreased urea synthesis. . Repeated dialysis (urea rather than creatinine) due to tubular secretion of urea. . Pregnancy. . ERCRASED RATIO (-10:1) WITH INCREASED CREATININE . Inherited hyperammonemias (urea is virtually absent in blood). . SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. . Pregnancy. . ERCRASED RATIO (-10:1) WITH INCREASED CREATININE . Presenalized causes on ureas sources on creatine to creatinine). . Phabdimyolysis (releases nucle creatinine). . Phabdimyolysis (releases nucle creatinine). . Phabdimyolysis (releases nucle creatine). . Phabdimyolysis (releases nucle creatine). . Phabdimyolysis (releases nucle creatine). . Phabdimyolysis (releases nucle creatine). . Phabdimyolysis (release at uses false increase in creatinine with certain methodologies, resulting in normal ratio when dehydratik hould produce an increased BUN/creatinine ratio). . Cepholosport therapy (Interfrees with creatinine measurement).							
LIENT CODE :KOS DIAGNOSTIC LAB REPORTING DATE :9/Apr/2025 01:35PM LIENT ADDRESS :6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit Biological Reference interval .Catabolic states with increased tissue breakdown. .Ghaemorrhage.			UENIX CLUB (AMBALA	,		1	
LIETT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Pest Name Value Unit Biological Reference interval . Catabolic states with increased tissue breakdown. . Ghaemorrhage. . High protein intake. . Impaired renal function plus . Recess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). . Urine reabsorption (e.g. ureter colostomy) . Reduced muscle mass (Subnormal creatinine production). . Beduced muscle mass (Subnormal creatinine production). . Betrain drugs (e.g. tetracycline, glucocorticoids) VRCASED RATIO (-20:1) WITH ELEVATED CREATININE LEVELS. . Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia guperimposed on renal disease. . BecResSED RATIO (-10:1) WITH DECREASED BUN : . Acute tubular necrosis. . Superi liver disease. . Other causes of decreased urea synthesis. . Superi liver disease. . Other causes of dispropate antidiuretic harmone) due to tubular secretion of urea. . Shydin (-10:1) WITH DECREASED CREATINE . Prepancy. . Superi liver d						1	
Rest Name Value Unit Biological Reference interval Catabolic states with increased tissue breakdown. G haemorrhage. High protein intake. Impaired renal function plus Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). Urine reabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) Octation fugs (e.g. tetracycline, gluccorrticoids) WTRASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS: Protenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia superimposed on renal disease. ERCEASED RATIO (<10:1) WITH DECREASED BUN : Acute tubular necrosis. Severe liver disease. 10 Other causes of dicreased urea synthesis. Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid). High cyndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. Pregnancy. EXCESSD RATIO (<10:1) WITH INCREASED CREATININE High cyndrome of creatine is conversion of creatine to creatinine). Reducid dialysis (urea rather than creatinine diffuses out of extracellular fluid). Inherited hyperammonemias (urea is virtually absent in blood). SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. Pregnancy. EXESSD RATI	CLIENT CODE.				REPORTING DATE	:09/Apr/202501:	35PM
. Catabolic states with increased tissue breakdown. . GI haemorrhage. . High protein intake. . Impaired renal function plus . Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). . Urine reabsorption (e.g. ureter colostomy) . Reduced muscle mass (subnormal creatinine production) . Certain drugs (e.g. tetracycline, glucocorticoids) VCREASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS: . Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia superimposed on renal disease. ECREASED RATIO (<10:1) WITH DECREASED BUN : . Acute tubular necrosis. . Low protein diet and starvation. . Severe liver disease. . Univer disease. . Other causes of decreased urea synthesis. . Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid). . Inherited hyperammonemias (urea is virtually absent in blood). . SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. . Pregnancy. ECREASED RATIO (<10:1) WITH INCREASED CREATININE: . Phenacinide therapy (accelerates conversion of creatine to creatinine). . Rhabdomyolysis (releases muscle creatinine). . Rhabdomyolysis (releases muscle creatinine). . Muscular patients who develop renal failure. . Mappropirt RATIO . Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydratio hould produce an increased BUN/creatinine ratio). . Cephalosporin therapy (interferes with creatinine measurement).	CLIENT ADDRESS	: 6349/1, NICI	IOLSON ROAD, AMBAL	A CANTT			
. Catabolic states with increased tissue breakdown. . GI haemorrhage. . High protein intake. . Impaired renal function plus . Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, urns, surgery, cachexia, high fever). . Urine reabsorption (e.g. ureter colostomy) . Reduced muscle mass (subnormal creatinine production) . Certain drugs (e.g. tetracycline, glucocorticoids) VCREASED RATIO (<20:1) WITH ELEVATED CREATININE LEVELS: . Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia superimposed on renal disease. ECREASED RATIO (<10:1) WITH DECREASED BUN : . Acute tubular necrosis. . Low protein diet and starvation. . Severe liver disease. . Univer disease. . Other causes of decreased urea synthesis. . Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid). . Inherited hyperammonemias (urea is virtually absent in blood). . SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. . Pregnancy. ECREASED RATIO (<10:1) WITH INCREASED CREATININE: . Phenacinide therapy (accelerates conversion of creatine to creatinine). . Rhabdomyolysis (releases muscle creatinine). . Rhabdomyolysis (releases muscle creatinine). . Muscular patients who develop renal failure. . Mappropirt RATIO . Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydratio hould produce an increased BUN/creatinine ratio). . Cephalosporin therapy (interferes with creatinine measurement).	 Fest Name		v	/alue	Unit	Biologic	al Reference interval
. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydratic hould produce an increased BUN/creatinine ratio). . Cephalosporin therapy (interferes with creatinine measurement).	burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia	ke or productior xia, high fever). (e.g. ureter colo ass (subnormal tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed o	stomy) creatinine production) cocorticoids) TED CREATININE LEVELS roportionately more tha n renal disease.):			ome, high protein diet,
hould produce an increased BUN/creatinine ratio). . Cephalosporin therapy (interferes with creatinine measurement).	burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (ro 8. Muscular patients	ke or production xia, high fever). (e.g. ureter colo ass (subnormal of tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed of 0:1) WITH DECRI osis. ad starvation. e. creased urea syr urea rather thar monemias (urea of inappropiate a lo:1) WITH INCRE py (accelerates of eleases muscle of who develop rei	stomy) creatinine production) cocorticoids) TED CREATININE LEVELS roportionately more that n renal disease. EASED BUN : thesis. creatinine diffuses out is virtually absent in blo ntidiuretic harmone) du ASED CREATININE: conversion of creatine to reatinine).	: an creatinin t of extrace ood). ue to tubula	e) (e.g. obstructive urc llular fluid). r secretion of urea.		ome, high protein diet,
	burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (>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 c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (ro 8. Muscular patients NAPPROPIATE RATIO	ke or production xia, high fever). (e.g. ureter colo ass (subnormal of tetracycline, glu 0:1) WITH ELEVA (BUN rises disp superimposed of 0:1) WITH DECRI osis. ad starvation. e. creased urea syr urea rather thar monemias (urea of inappropiate a lo:1) WITH INCRE py (accelerates of eleases muscle of who develop rei :	stomy) creatinine production) cocorticoids) TED CREATININE LEVELS roportionately more that n renal disease. EASED BUN : thesis. to creatinine diffuses out is virtually absent in blo ntidiuretic harmone) du ASED CREATININE: conversion of creatine to reatinine). hal failure.	: an creatinin t of extrace ood). ue to tubula o creatinine	e) (e.g. obstructive urc llular fluid). r secretion of urea. e).	opathy).	

CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt - 133 001, Haryana

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

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

 www.koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA 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



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

MBBS, MD (PATHOLOGY)

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







	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBAI	LA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		IRON	PROFILE	
IRON: SERUM		82.31	μg/dL	37.0 - 145.0
by FERROZINE, SPEC		240.54	u a/dI	150.0 - 336.0
SERUM by FERROZINE, SPEC	CON BINDING CAPACITY (UIBC)	240.34	μg/dL	130.0 - 330.0
	DING CAPACITY (TIBC)	322.85	μg/dL	230 - 430
:SERUM by SPECTROPHOTOM	IETERY			
%TRANSFERRIN S	ATURATION: SERUM	25.49	%	15.0 - 50.0
by CALCULATED, SPE TRANSFERRIN: SE	CTROPHOTOMETERY (FERENE)	229.22	ma/dI	200.0 - 350.0
by SPECTROPHOTOM		227.22	mg/dL	200.0 - 330.0
INTERPRETATION:-				

<u>INTER REITHON:</u>			
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.





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

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (A	MBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	:01528650		COLLECTION DATE	:09/Apr/202509:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 12:55PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval

INTERPRETATION:

Serum ferritin appears to be in equilibrium with tissue ferritin and is a good indicator of storage iron in normal subjects and in most disorders. In patients with some hepatocellular diseases, malignancies and inflammatory diseases, serum ferritin is a disproportionately high estimate of storage iron because serum ferritin is an acute phase reactant. In such disorders iron deficiency anemia may exist with a normal serum ferritin concentration. In the presence of inflammation, persons with low serum ferritin are likely to respond to iron therapy. DECREASED:

1. Iron depletion appears to be the only condition associated with reduced serum ferritin concentrations.

- Hypothyroidism.
 Vitamin-C deficiency

INCREASED FERRITIN DUE TO IRON OVERLOAD (PRIMARY):

- 1. Hemochromatosis or hemosiderosis.
- 2. Wilson Disease

INCREASED FERRITIN DUE TO IRON OVERLOAD (SECONDARY):

- Transfusion overload
- 2. Excess dietary Iron
- 3. Porphyria Cutanea tada
- 4. Ineffective erythropoiesis

INCREASED FERRITIN WITHOUT IRON OVERLOAD:

- Liver disorders (NASH) or viral hepatitis (B/C).
 Inflammatory conditions (Ferritin is a acute phase reactant) both acute and chronic.
- 3. Leukaemia, hodgkin's disease.
- 4. Alcohol excess.

5. Other malignancies in which increases probably reflect the escape of ferritin from damaged liver cells, impaired clearance from the plasma,

synthesis of ferritin by tumour cells. 6. Ferritin levels below 10 ng/ml have been reported as indicative of iron deficiency anemia.

NOTE:

1. As Ferritin is an acute phase reactant, it is often raised in both acute and chronic inflammatory condition of the body such as infections leading to false positive results. It can thererfore mask a diagnostically low result. In such Cases serum ferritin levels should always be correlated with C-Reactive proteins to rule out any inflammatory conditions.

2. Patients with iron déficiency anaémia may occasionally have elevated or normal ferritin levels. This is usually seen in patients already receiving iron therapy or in patients with concomitant hepatocellular injury.



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

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

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 01:35PM
Test Name	: 6349/1, NICHOLSON ROAD, AMBALA CANT Value	Unit	Biological Reference interval
		CRINOLOGY CTION TEST: TOTAL	
TRIIODOTHYRON by CMIA (CHEMILUMII	INE (T3): SERUM 1.045 IESCENT MICROPARTICLE IMMUNOASSAY)	ng/mL	0.35 - 1.93
THYROXINE (T4): by CMIA (CHEMILUMI	SERUM 7.22 IESCENT MICROPARTICLE IMMUNOASSAY)	µgm/dL	4.87 - 12.60
	ATING HORMONE (TSH): SERUM 3.498 IESCENT MICROPARTICLE IMMUNOASSAY)	µIU/mL	0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:	RASENSITIVE		
INTERPRETATION	circadian variation, reaching peak levels between 2.4 a.m.s	and at a minimum between 6-10 p	m. The variation is of the order of 50%.Hence time of t

CLINICAL CONDITION	T3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy.

TRIIODOTH	(RONINE (T3)	THYROXINE (T4)		THYROID STIMULATING HORMONE (T	
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





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

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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologis		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI		

Test Name			Value	Unit		Biological Reference interval
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 - 12 Months	0.70 - 7.00	
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	EVELS DURING PREC	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester





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







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	licrobiology)		(Pathology)
IAME	: Mrs. REKHA GUPTA			
GE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	BALA CANTT)	REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	IMMU	NOPATHO	OLOGY/SEROLOG	GY
	C	-REACTIVE	E PROTEIN (CRP)	
	TEIN (CRP) QUANTITATIVE:	2.28	mg/L	0.0 - 6.0
SERUM by NEPHLOMETRY				

KOS Diagnostic Lab (A Unit of KOS Healthcare)

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history.

2. Oral contraceptives may increase CRP levels.





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

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY)







	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Patho		(Pathology)
NAME	: Mrs. REKHA GUPTA		
AGE/ GENDER	: 53 YRS/FEMALE	PATIENT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AMBALA CAN	TT) REGISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650	COLLECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CA	NTT	
Test Name	Value	e Unit	Biological Reference interval
		VITAMINS	
	VITAMIN D/25	HYDROXY VITAMIN	D3
,	DROXY VITAMIN D3): SERUM 31.61 ESCENCE IMMUNOASSAY)	7 ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0

INTERPRETATION:

THEN REPAILON.				
DEFICIENT:	< 20	ng/mL		
INSUFFICIENT:	21 - 29	ng/mL		
PREFFERED RANGE:	30 - 100	ng/mL		
INTOXICATION:	> 100	ng/mL	1	

1. Vitamin D compounds are derived from dietary ergocalciferol (from plants, Vitamin D2), or cholecalciferol (from animals, Vitamin D3), or by conversion of 7- dihydrocholecalciferol to Vitamin D3 in the skin upon Ultraviolet exposure.

2.25-OH--Vitamin D represents the main body resevoir and transport form of Vitamin D and transport form of Vitamin D, being stored in adipose tissue and tightly bound by a transport protein while in circulation.

3. Vitamin D plays a primary role in the maintenance of calcium homeostatis. It promotes calcium absorption, renal calcium absorption and phosphate reabsorption, skeletal calcium deposition, calcium mobilization, mainly regulated by parathyroid harmone (PTH). 4. Severe deficiency may lead to failure to mineralize newly formed osteoid in bone, resulting in rickets in children and osteomalacia in adults. DECREASED:

1.Lack of sunshine exposure.

2.Inadequate intake, malabsorption (celiac disease) 3.Depressed Hepatic Vitamin D 25- hydroxylase activity

4.Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

INCREASED: 1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in

severe hypercalcemia and hyperphophatemia. CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.



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

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

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







	Dr. Vinay Cł MD (Pathology & Chairman & Cor		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE	PATI	ENT ID	: 1823757
COLLECTED BY	: SURJESH	RFG	NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (A			: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		ECTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 09/Apr/2025 01:35PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOA		DECREASED VITAMI	V B12
1.Ingestion of Vitan		1.Pregnancy	DEGREASED VITAINII	
2.Ingestion of Estro			in, Anti-convulsants	, Colchicine
3.Ingestion of Vitan		3.Ethanol Igest		
4.Hepatocellular in		4. Contraceptiv		
5.Myeloproliferativ	e disorder	5.Haemodialys		
6.Uremia	amin) is necessary for hematop	6. Multiple My		
	ained only from animal protein	s and requires intrinsic f	actor (IF) for absorp	tion. n and returning it to the liver; very little is





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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Che MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE	PATIEN	NT ID	: 1823757
COLLECTED BY	: SURJESH	REG. NO	D./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	/IBALA CANTT) REGIST	RATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650		CTION DATE	: 09/Apr/2025 09:56AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 09/Apr/2025 06:16PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
		CLINICAL PATH	IOLOGY	
	URINE ROU	TINE & MICROSC	OPIC EXAMI	NATION
PHYSICAL EXAM	INATION			
QUANTITY RECIE	VED STANCE SPECTROPHOTOMETRY	10	ml	
COLOUR		AMBER YELLOW	7	PALE YELLOW
-	TANCE SPECTROPHOTOMETRY			
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVIT	Y	<=1.005		1.002 - 1.030
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
REACTION		ACIDIC		
	TANCE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	CTANCE SPECTROPHOTOMETRY	Nagativa		
	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
pH		<=5.0		5.0 - 7.5
	TANCE SPECTROPHOTOMETRY	N. C		
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
NITRITE		Negative		NEGATIVE (-ve)
•	TANCE SPECTROPHOTOMETRY.			
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES		Negative		NEGATIVE (-ve)
-	TANCE SPECTROPHOTOMETRY			
BLOOD	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
ASCORBIC ACID	TANCE SPECTROPHOTOMETRY	NEGATIVE (-ve)		NEGATIVE (-ve)
MICROSCOPIC E	XAMINATION			

MICROSCOPIC EXAMINATION



KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

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

KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana

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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



NANCE



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

DEVILA CUDTA



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

NAME	: Mrs. REKHA GUPTA			
AGE/ GENDER	: 53 YRS/FEMALE	PAT	IENT ID	: 1823757
COLLECTED BY	: SURJESH		. NO./LAB NO.	: 012504090018
REFERRED BY	: CENTRAL PHOENIX CLUB (AM	BALA CANTT) REG	ISTRATION DATE	: 09/Apr/2025 09:42 AM
BARCODE NO.	: 01528650 : KOS DIAGNOSTIC LAB		LECTION DATE	: 09/Apr/2025 09:56AM : 09/Apr/2025 06:16PM
CLIENT CODE.			ORTING DATE	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
RED BLOOD CELL by MICROSCOPY ON C	S (RBCs) CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-v	ve) /HPF	0 - 3
DUCCELLC		2.2	/LIDE	0 5

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT		,	• •	
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	3-4	/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	







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

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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

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







	Dr. Vinay C MD (Pathology Chairman & Co			(Pathology)	
NAME	: Mrs. REKHA GUPTA				
AGE/ GENDER	: 53 YRS/FEMALE		PATIENT ID	: 1823757	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012504090018	
REFERRED BY	: CENTRAL PHOENIX CLUB (A	CENTRAL PHOENIX CLUB (AMBALA CANTT) REGIST		: 09/Apr/2025 09:42 AM	
BARCODE NO.	: 01528650	,	COLLECTION DATE	: 09/Apr/2025 09:56AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Apr/2025 01:35PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
	PROTEIN	/CREATININE	E RATIO: RANDOM	URINE	
PROTEINS: RAND		14.52	mg/dL	5 - 25	
CREATININE: RAN		23.81	mg/dL	20 - 320	
PROTEIN/CREATI RANDOM URINE by SPECTROPHOTOM INTERPRETATION:		0.61 ^H		< 0.20	
PROTI	EIN/CREATININE RATIO	1	REMARKS		
	< 0.20		NORMAL		
0.20 - 1.00			LOW GRADE PROTEINUR		
	1.00 - 5.00		MODERATE PROTEINURIA		
	>5.00		NEPHROSIS		

Urinary total proteins are nearly negligible in healthy adults. The Protein Creatinine ratio is a simple and convenient method to quantitate and monitor proteinuria in adults with chronic kidney disease. Patients with 2 or more positive results within a period of 1-2 weeks should be labeled as having persistent proteinuria and investigated further

*** End Of Report ***



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

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

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

