

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE		PATIENT ID	: 1646693
COLLECTED BY	:		REG. NO./LAB NO.	: 012410180004
REFERRED BY	:		REGISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097		COLLECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 18/Oct/2024 09:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	SALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	ELLNESS PANEL: 1.0	
			OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES		(,	
HAEMOGLOBIN (HB)		9 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RB	C) COUNT DCUSING, ELECTRICAL IMPEDENCE	3.98	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUM		30 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR		75.3 ^L	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	22.5 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	30 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI	ON WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	16	%	11.00 - 16.00
RED CELL DISTRIBUTI	ON WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	46.1	fL	35.0 - 56.0
MENTZERS INDEX		18.92	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX	(30.12	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	(WBCS)			
TOTAL LEUCOCYTE CO	DUNT (TLC) by sf cube & microscopy	5510	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
NUCLEATED RED BLO	OD CELLS (nRBCS) % <i>jtomated hematology analyzer</i>	NIL	%	< 10 %
	BY SF CUBE & MICROSCOPY	67	%	50 - 70





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 Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. INDU **AGE/ GENDER** : 67 YRS/FEMALE **PATIENT ID** :1646693 **COLLECTED BY** REG. NO./LAB NO. :012410180004 **REFERRED BY REGISTRATION DATE** : 18/Oct/2024 09:04 AM **BARCODE NO.** :01519097 **COLLECTION DATE** : 18/Oct/2024 09:06AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** : 18/Oct/2024 09:36AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name LYMPHOCYTES % 20 - 4018^L by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 7H EOSINOPHILS % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 % BASOPHILS 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 3692 2000 - 7500 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 992 ABSOLUTE LYMPHOCYTE COUNT /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 386 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 441 80 - 880 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 207000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.24 % 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 6.50 - 12.0 12 fL by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 78000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 37.6 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.3 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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 Cho MD (Pathology & I Chairman & Const	Microbiology)	gam Chopra MD (Pathology) Iltant Pathologist
NAME	: Mrs. INDU		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1646693
COLLECTED BY	:	REG. NO./LAB NO.	: 012410180004
REFERRED BY	:	REGISTRATION DAT	TE : 18/Oct/2024 09:04 AM
BARCODE NO.	:01519097	COLLECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Oct/2024 09:44AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION RATE	(ESR)
by RED CELL AGGRE INTERPRETATION:	MENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETR	γ 3 7	'1st hr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition ected by other conditions besides in	er exactly where the inflammation is i nflammation. For this reason, the ESR	Imation associated with infection, cancer and auto- n the body or what is causing it. is typically used in conjunction with other test such
systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sigr	ematosus W ESR en with conditions that inhibit the l	normal sedimentation of red blood ce unt (leucocytosis) , and some protein a	the above diseases as well as some others, such as Ils, such as a high red blood cell count abnormalities. Some changes in red cell shape (such

 ESR and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while exprise contrace and quiping may decrease it. aspirin, cortisone, and quinine may decrease it





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

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



Page 3 of 14





NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE	PATIE	ENT ID	: 1646693
COLLECTED BY	:	REG. N	NO./LAB NO.	: 012410180004
REFERRED BY	:	REGIS	TRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	:01519097	COLLI	ECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 18/Oct/2024 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLIN	ICAL CHEMISTRY/	BIOCHEMISTRY	l l
		GLUCOSE FAST	'ING (F)	
		101.81 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0
GLUCOSE FASTING (by GLUCOSE OXIDA:	SE - PEROXIDASE (GOD-POD)			DIABETIC: $> 0R = 126.0$





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







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE	РАТ	IENT ID	: 1646693
COLLECTED BY	:	REG	. NO./LAB NO.	: 012410180004
REFERRED BY	:	REG	ISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COL	LECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 18/Oct/2024 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFILI	E : BASIC	
CHOLESTEROL TOTAL by CHOLESTEROL OXI		109.57	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239 HIGH CHOLESTEROL: > OR = 240
TRIGLYCERIDES: SERI	JM HATE OXIDASE (ENZYMATIC)	82.33	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199. HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (E		47.87	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: S by CALCULATED, SPEC		47.23	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTER by CALCULATED, SPEC		61.7	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL: by CALCULATED, SPEC		16.47	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERUN		303.47 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL R by CALCULATED, SPEC	ATIO: SERUM	2.29	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0
LDL/HDL RATIO: SERI by CALCULATED, SPEC		0.99	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0

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

77

 ∞i

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.





		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE	PATI	ENT ID	: 1646693
COLLECTED BY	:	REG. 1	NO./LAB NO.	: 012410180004
REFERRED BY	:	REGIS	STRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	:01519097	COLL	ECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 18/Oct/2024 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD		1.72 ^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.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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 Pathologist

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

NAME	: Mrs. INDU		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1646693
COLLECTED BY	:	REG. NO./LAB NO.	: 012410180004
REFERRED BY	:	REGISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COLLECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Oct/2024 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	2	
Test Name	Value	Unit	Biological Reference interval

INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
0.00 - 0.40
0.10 - 1.00
7.00 - 45.00
0.00 - 49.00
0.00 - 46.00
40.0 - 130.0
0.00 - 55.0
6.20 - 8.00
3.50 - 5.50
2.30 - 3.50
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)



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 & Micro Chairman & Consultan	obiology) MD	n Chopra 9 (Pathology) 1t Pathologist
NAME	: Mrs. INDU		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1646693
COLLECTED BY	:	REG. NO./LAB NO.	: 012410180004
REFERRED BY	:	REGISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COLLECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Oct/2024 10:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	ALA CANTT	
Test Name		Value Unit	Biological Reference interval

DECREASED:

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

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

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



DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) 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 Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. INDU AGE/ GENDER : 67 YRS/FEMALE **PATIENT ID** :1646693 **COLLECTED BY** :012410180004 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 18/Oct/2024 09:04 AM **BARCODE NO.** :01519097 **COLLECTION DATE** : 18/Oct/2024 09:06AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :18/Oct/2024 11:17AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name **KIDNEY FUNCTION TEST (COMPLETE) UREA: SERUM** 26.58 mg/dL 10.00 - 50.00 by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) **CREATININE: SERUM** 1.35^H mg/dL 0.40 - 1.20 by ENZYMATIC, SPECTROPHOTOMETERY BLOOD UREA NITROGEN (BUN): SERUM 12.42 mg/dL 7.0 - 25.0 by CALCULATED, SPECTROPHOTOMETRY **BLOOD UREA NITROGEN (BUN)/CREATININE** RATIO 10.0 - 20.0 9.2^L **RATIO: SERUM** by CALCULATED, SPECTROPHOTOMETRY **UREA/CREATININE RATIO: SERUM** 19.69 RATIO by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM 5.95 2.50 - 6.80 mg/dL by URICASE - OXIDASE PEROXIDASE CALCIUM: SERUM 9.11 mg/dL 8.50 - 10.60 by ARSENAZO III, SPECTROPHOTOMETRY 2.30 - 4.70 PHOSPHOROUS: SERUM 2.75 mg/dL by PHOSPHOMOLYBDATE, SPECTROPHOTOMETRY ELECTROLYTES SODIUM: SERUM 141.5 mmol/L 135.0 - 150.0 by ISE (ION SELECTIVE ELECTRODE) 3.88 mmol/L 3.50 - 5.00 POTASSIUM: SERUM by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM 90.0 - 110.0 106.13 mmol/l by ISE (ION SELECTIVE ELECTRODE) ESTIMATED GLOMERULAR FILTERATION RATE ESTIMATED GLOMERULAR FILTERATION RATE 43.1 (eGFR): SERUM by CALCULATED NOTE 2 **RESULT RECHECKED TWICE**

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.



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



FEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Cl MD (Pathology Chairman & Co	& Microbiology)	r. Yugam (MD (F Consultant P	Pathology)
NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID		: 1646693
COLLECTED BY	:	REG. NO./LAB	NO.	: 012410180004
REFERRED BY	:	REGISTRATIO	N DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COLLECTION		: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING L		: 18/Oct/2024 11:17AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD			
Test Name		Value	Unit	Biological Reference interval
 GI haemorrhage. High protein intak Impaired renal fu Excess protein int burns, surgery, cach Urine reabsorptio 	nction plus ake or production or tissue breal exia, high fever). n (e.g. ureter colostomy)	kdown (e.g. infection, GI bleeding,	thyrotoxicos	is, Cushing's syndrome, high protein diet
. Gl haemorrhage. . High protein intak . Impaired renal fu . Excess protein int urns, surgery, cach . Urine reabsorptio . Reduced muscle r . Certain drugs (e.g VCREASED RATIO (> . Postrenal azotemia ECREASED RATIO (ECREASED RATIO (Acute tubular neco . Low protein diet a . Severe liver diseas . Other causes of d	e. nction plus ake or production or tissue breal exia, high fever). n (e.g. ureter colostomy) nass (subnormal creatinine prod . tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININ a (BUN rises disproportionately a superimposed on renal disease c10:1) WITH DECREASED BUN : rosis. und starvation.	kdown (e.g. infection, GI bleeding, uction) I E LEVELS: more than creatinine) (e.g. obstru		

- 2. Rhabdomyolysis (releases muscle creatinine).
- 3. Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement).

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

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



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





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. INDU		
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT ID	: 1646693
COLLECTED BY	:	REG. NO./LAB NO.	: 012410180004
REFERRED BY	:	REGISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COLLECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 18/Oct/2024 11:17AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA 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







	MD (Pathology 6 Chairman & Col	& Microbiology) nsultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
NAME	: Mrs. INDU			
AGE/ GENDER	: 67 YRS/FEMALE	PAT	IENT ID	: 1646693
COLLECTED BY	:	REG	NO./LAB NO.	: 012410180004
REFERRED BY	:	REG	ISTRATION DATE	: 18/Oct/2024 09:04 AM
BARCODE NO.	: 01519097	COL	LECTION DATE	: 18/Oct/2024 09:06AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 18/Oct/2024 10:38AM
	: 6349/1, NICHOLSON ROAD	ΔΜΒΔΙ Δ CΔΝΤΤ		
CLIENT ADDRESS	. 0349/1, NICHOLSON ROAD,			
CLIENT ADDRESS Test Name	. 0349/1, MCHOLSON KOAD,	Value	Unit	Biological Reference interval
				Biological Reference interval
		Value	GY/SEROLOGY	Biological Reference interval
Test Name		Value 1MUNOPATHOLO	GY/SEROLOGY	Biological Reference interval

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant rejection, and to monitor these inflammatory processes.

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)







NDU /FEMALE 097 AGNOSTIC LAB I, NICHOLSON ROAD, A	REG. REGE COLL REPO	ENT ID NO./LAB NO. STRATION DATE ECTION DATE RTING DATE	: 1646693 : 012410180004 : 18/Oct/2024 09:04 AM : 18/Oct/2024 09:06AM
997 AGNOSTIC LAB	REG. REGE COLL REPO	NO./LAB NO. STRATION DATE ECTION DATE	: 012410180004 : 18/Oct/2024 09:04 AM
AGNOSTIC LAB	REGE COLL REPO	STRATION DATE	: 18/Oct/2024 09:04 AM
AGNOSTIC LAB	COLL REPO	ECTION DATE	
AGNOSTIC LAB	REPO		: 18/Oct/2024 09:06AM
		RTING DATE	
I, NICHOLSON ROAD, A	AMBALA CANTT		: 18/Oct/2024 10:14AM
	Value	Unit	Biological Reference interva
	CLINICAL PATI	HOLOGY	
URINE RO	OUTINE & MICROS	OPIC EXAMINAT	ION
	10	ml	
CTROPHOTOMETRY			
CTROPHOTOMETRY	PALE YELLOW		PALE YELLOW
	HAZY		CLEAR
CTROPHOTOMETRY	>_1 020		1.002 - 1.030
CTROPHOTOMETRY	>=1.030		1.002 - 1.030
	ACIDIC		
CTROPHOTOMETRY	Negative		NEGATIVE (-ve)
CTROPHOTOMETRY	Negative		
CTROBUCTOMETRY	Negative		NEGATIVE (-ve)
UNDERT	<=5.0		5.0 - 7.5
CTROPHOTOMETRY			
CTROPHOTOMETRY	Negative		NEGATIVE (-ve)
2	Negative		NEGATIVE (-ve)
CTROPHOTOMETRY.	Normal		0.2 1.0
CTROPHOTOMETRY	Normai	EU/dL	0.2 - 1.0
	Negative		NEGATIVE (-ve)
CTROPHOTOMETRY	TRACE		NEGATIVE (-ve)
CTROPHOTOMETRY	INAUL		
	NEGATIVE (-ve)		NEGATIVE (-ve)
	ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY ECTROPHOTOMETRY	CLINICAL PATH URINE ROUTINE & MICROSC 10 ECTROPHOTOMETRY Normal ECTROPHOTOMETRY ECTROPHOTOMETRY	LINICAL PATHOLOGY URINE ROUTINE & MICROSCOPIC EXAMINAT

MICROSCOPIC EXAMINATION



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

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

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

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

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









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

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

NAME	: Mrs. INDU				
AGE/ GENDER	: 67 YRS/FEMALE	PATIENT	ID	: 1646693	
COLLECTED BY	:	REG. NO.	/LAB NO.	: 012410180004 : 18/Oct/2024 09:04 AM : 18/Oct/2024 09:06AM	
REFERRED BY	:	REGISTR	ATION DATE		
BARCODE NO.	: 01519097	COLLECT	TON DATE		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE		: 18/Oct/2024 10:14AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
RED BLOOD CELLS (F	RBCs) CENTRIFUGED URINARY SEDIMENT	3-4	/HPF	0 - 3	
PUS CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	1-3	/HPF	0 - 5	
EPITHELIAL CELLS by MICROSCOPY ON (CENTRIFUGED URINARY SEDIMENT	6-7	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON G	CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS by MICROSCOPY ON C	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

*** End Of Report ***

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



ABSENT