



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)	
NAME	: Mrs. DEEPTI				
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 175404	7
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:01250	2120029
REFERRED BY	:		REGISTRATION DATE	:12/Feb	/2025 10:37 AM
BARCODE NO.	: 01525377		COLLECTION DATE		/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Feb	/2025 11:08AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTI	ſ		
Test Name		Value	Unit		Biological Reference interval
	SM/A ST		ELLNESS PANEL: 1.0		
			LOOD COUNT (CBC)		
DED BLOOD CELL	COMP <u>5 (RBCS) COUNT AND INDICES</u>	LEIEDI			
HAEMOGLOBIN (H		11.3 ^L	gm/dL		12.0 - 16.0
by CALORIMETRIC					
RED BLOOD CELL ((RBC) COUNT	4.33	Millions/	'cmm	3.50 - 5.00
PACKED CELL VOLU	UME (PCV)	35.9 ^L	%		37.0 - 50.0
MEAN CORPUSCUL	AUTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV)	82.9	fL		80.0 - 100.0
	AUTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	26.2 ^L	pg		27.0 - 34.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER				
	AR HEMOGLOBIN CONC. (MCHC)	31.6 ^L	g/dL		32.0 - 36.0
	UTION WIDTH (RDW-CV)	15.6	%		11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	48.8	fL		35.0 - 56.0
MENTZERS INDEX	OTOMATED HEMATOLOGY ANALYZER	19.15	RATIO		BETA THALASSEMIA TRAIT: <
by CALCULATED					13.0
					IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	29.98	RATIO		BETA THALASSEMIA TRAIT:<=
by CALCULATED					65.0 IRON DEFICIENCY ANEMIA: >
					65.0
WHITE BLOOD CE					
TOTAL LEUCOCYTE	E COUNT (TLC) Y by sf cube & microscopy	6460	/cmm		4000 - 11000
NUCLEATED RED E	BLOOD CELLS (nRBCS)	NIL			0.00 - 20.00
	RT HEMATOLOGY ANALYZER BLOOD CELLS (nRBCS) %	NIL	%		< 10 %
	NUTOMATED HEMATOLOGY ANALYZER	INIL	70		× 10 /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: 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



Page 1 of 13





Dr. Vinay Chopra



Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. DEEPTI AGE/ GENDER : 45 YRS/FEMALE **PATIENT ID** :1754047 **COLLECTED BY** : SURJESH :012502120029 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : **BARCODE NO.** :01525377 **COLLECTION DATE** CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :12/Feb/202511:08AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** 82^H % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 14^L % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 3 % 2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 5297 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 904 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 65 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 194 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 168000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % 0.26by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 16^H fL. by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 111000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

: 12/Feb/2025 10:37 AM :12/Feb/202510:42AM

DIFFERENTIAL LEUCOCYTE COUNT (DLC) NEUTROPHILS LYMPHOCYTES EOSINOPHILS MONOCYTES BASOPHILS **ABSOLUTE LEUKOCYTES (WBC) COUNT** ABSOLUTE NEUTROPHIL COUNT 2000 - 7500 ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 ABSOLUTE EOSINOPHIL COUNT ABSOLUTE MONOCYTE COUNT PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 PLATELETCRIT (PCT) 0.10 - 0.36 MEAN PLATELET VOLUME (MPV) 6.50 - 12.0 PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 65.9^H PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) % 15.915.0 - 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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		y & Microbiology) consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
IAME	: Mrs. DEEPTI			
GE/ GENDER	: 45 YRS/FEMALE	P	ATIENT ID	: 1754047
OLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012502120029
EFERRED BY	:	R	EGISTRATION DATE	: 12/Feb/2025 10:37 AM
ARCODE NO.	:01525377	C	DLLECTION DATE	: 12/Feb/2025 10:42AM
LIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 12/Feb/2025 12:10PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
'est Name		Value	Unit	Biological Reference interval
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specif mmune disease, but . An ESR can be affe	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOME ic test because an elevated re does not tell the health pract cted by other conditions besic	42 ^H Sult often indicates the itioner exactly where t	ne inflammation is in the	hr 0 - 20
by RED CELL AGGRE ITERPRETATION: . ESR is a non-specifinnune disease, but . An ESR can be affe s C-reactive protein . This test may also ystemic lupus eryth ONDITION WITH LO	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOME ic test because an elevated re does not tell the health pract cted by other conditions besic be used to monitor disease ac ematosus W ESR	42^H sult often indicates the itioner exactly where t les inflammation. For t tivity and response to	mm/1st e presence of inflammat ne inflammation is in the his reason, the ESR is ty therapy in both of the a	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
by RED CELL AGGRE ITERPRETATION: ESR is a non-specify nmune disease, but An ESR can be affect s C-reactive protein This test may also rystemic lupus eryth ONDITION WITH LO Iow ESR can be see bolycythaemia), sign s sickle cells in sick	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOME ic test because an elevated re does not tell the health pract cted by other conditions besic be used to monitor disease ac ematosus W ESR n with conditions that inhibit	42^H sult often indicates the itioner exactly where t des inflammation. For t itivity and response to the normal sedimenta l count (leucocytosis).	mm/1st e presence of inflammat he inflammation is in the his reason, the ESR is ty therapy in both of the a ion of red blood cells, s	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
by RED CELL AGGRE TERPRETATION: ESR is a non-specifumune disease, but An ESR can be affe C-reactive protein This test may also stemic lupus eryth DNDITION WITH LO low ESR can be see olycythaemia), sign sickle cells in sick DTE: ESR and C - reactive Generally, ESR doa CRP is not affected If the ESR is elevat Women tend to ha	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOME ic test because an elevated re does not tell the health pract cted by other conditions besic be used to monitor disease ac ematosus W ESR n with conditions that inhibit nificantly high white blood cel e cell anaemia) also lower the e protein (C-RP) are both mark es not change as rapidly as doe by as many other factors as is ed, it is typically a result of tw ve a higher ESR, and menstrua	42 ^H sult often indicates the itioner exactly where t des inflammation. For t itivity and response to the normal sedimentar count (leucocytosis), e ESR. ters of inflammation. tes CRP, either at the star ESR, making it a better o types of proteins, glo ition and pregnancy ca	mm/1st e presence of inflammat he inflammation is in the his reason, the ESR is ty therapy in both of the a ion of red blood cells, s and some protein abno art of inflammation or a marker of inflammation bulins or fibrinogen.	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.
by RED CELL AGGRE NTERPRETATION: . ESR is a non-specify nmune disease, but . An ESR can be affe s C-reactive protein . This test may also ystemic lupus eryth ONDITION WITH LO . low ESR can be see bolycythaemia), sign s sickle cells in sick IOTE: . ESR and C - reactive . Generally, ESR dod . CRP is not affected . If the ESR is elevat . Women tend to ha . Drugs such as dexi	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOME ic test because an elevated re does not tell the health pract cted by other conditions besic be used to monitor disease ac ematosus W ESR n with conditions that inhibit nificantly high white blood cel e cell anaemia) also lower the e protein (C-RP) are both mark es not change as rapidly as doe by as many other factors as is ed, it is typically a result of tw ve a higher ESR, and menstrua	42 ^H sult often indicates the itioner exactly where t des inflammation. For t itivity and response to the normal sedimentar count (leucocytosis), e ESR. ters of inflammation. tes CRP, either at the star ESR, making it a better o types of proteins, glo ition and pregnancy ca	mm/1st e presence of inflammat he inflammation is in the his reason, the ESR is ty therapy in both of the a ion of red blood cells, s and some protein abno art of inflammation or a marker of inflammation bulins or fibrinogen.	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. h.

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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

 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







		CNOPTA gy & Microbiology) Consultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. DEEPTI			
AGE/ GENDER	: 45 YRS/FEMALE	PA	TIENT ID	: 1754047
COLLECTED BY	: SURJESH	RE	G. NO./LAB NO.	: 012502120029
REFERRED BY	:	RE	GISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO.	: 01525377	CO	LLECTION DATE	: 12/Feb/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RE	PORTING DATE	: 12/Feb/2025 11:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO.	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLI	NICAL CHEMISTR	Y/BIOCHEMIST	'RY
		GLUCOSE FA	STING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (god-pod)	89.68	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A fasting plasma glucose level below 100 mg/dl is considered normal.
 A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 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







		Chopra y & Microbiology) Consultant Pathologist		(Pathology)
NAME	: Mrs. DEEPTI			. 175 40 47
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 1754047
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502120029
REFERRED BY BARCODE NO.			REGISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO. CLIENT CODE.	: 01525377 : KOS DIAGNOSTIC LAB		COLLECTION DATE REPORTING DATE	: 12/Feb/2025 10:42AM : 12/Feb/2025 12:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA		REFORTING DATE	. 12/ Feb/ 2023 12.301 M
Test Name		Value	Unit	Biological Reference interval
		LIPID PRO	FILE : BASIC	
CHOLESTEROL TO by CHOLESTEROL OX		147.36	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR =
FRIGLYCERIDES: S by GLYCEROL PHOSP	ERUM PHATE OXIDASE (ENZYMATIC)	35.43	mg/dL	240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO	L (DIRECT): SERUM	77.05	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		63.22	mg/dL	OPTIMAL: > OR = 60.0 OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST by CALCULATED, SPE		70.31	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(by CALCULATED, SPE		7.09	mg/dL	0.00 - 45.00
OTAL LIPIDS: SER		330.15 ^L	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		1.91	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

Ľ,

E. An

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

yhora

 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 5 of 13

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Cl MD (Pathology Chairman & Co			(Pathology)
NAME	: Mrs. DEEPTI			
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 1754047
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502120029
REFERRED BY	:		REGISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO.	: 01525377		COLLECTION DATE	: 12/Feb/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Feb/2025 12:36PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		0.82	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	0.46 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

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

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





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 Chopi MD (Pathology & Mic Chairman & Consulta	crobiology)		(Pathology)
NAME	: Mrs. DEEPTI			
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 1754047
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502120029
REFERRED BY	:		REGISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO.	: 01525377		COLLECTION DATE	: 12/Feb/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Feb/2025 11:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMI	BALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL		0.32	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	(CONJUGATED): SERUM	0.12	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CCT (UNCONJUGATED): SERUM	0.2	mg/dL	0.10 - 1.00
SGOT/AST: SERUM		17.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM	[/RIDOXAL PHOSPHATE	21.8	U/L	0.00 - 49.00
AST/ALT RATIO: S		0.8	RATIO	0.00 - 46.00
ALKALINE PHOSPI		99.23	U/L	40.0 - 130.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	15.75	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.77	gm/dL	6.20 - 8.00
ALBUMIN: SERUM		3.94	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	1	2.83	gm/dL	2.30 - 3.50
A : G RATIO: SERUI	M	1.39	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

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



INTERPRETATION





	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholo		(Pathology)
NAME	: Mrs. DEEPTI		
AGE/ GENDER	: 45 YRS/FEMALE	PATIENT ID	: 1754047
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502120029
REFERRED BY	:	REGISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO.	: 01525377	COLLECTION DATE	: 12/Feb/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 12/Feb/2025 11:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ГТ	
Test Name	Value	 Iinit	Biological Reference interval

Test NameValueUnitBiological Reference interval

DECREASED:

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

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

PROGNOSTIC	SIGNIFICANCE:

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



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







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)		Pathology)
NAME	: Mrs. DEEPTI			
AGE/ GENDER	: 45 YRS/FEMALE	J	PATIENT ID	: 1754047
COLLECTED BY	: SURJESH	J	REG. NO./LAB NO.	: 012502120029
REFERRED BY	:]	REGISTRATION DATE	: 12/Feb/2025 10:37 AM
BARCODE NO.	: 01525377		COLLECTION DATE	: 12/Feb/2025 10:42AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Feb/2025 11:48AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	KIDNE	EY FUNCTION	N TEST (COMPLETE)	
UREA: SERUM by UREASE - GLUTAN	/ATE DEHYDROGENASE (GLDH)	22.12	mg/dL	10.00 - 50.00
CREATININE: SER	UM	0.94	mg/dL	0.40 - 1.20
BLOOD UREA NITH	ROGEN (BUN): SERUM	10.34	mg/dL	7.0 - 25.0
BLOOD UREA NITH	ROGEN (BUN)/CREATININE	11	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPI	ECTROPHOTOMETRY			
UREA/CREATININ		23.53	RATIO	
URIC ACID: SERUM		4.46	mg/dL	2.50 - 6.80
CALCIUM: SERUM by ARSENAZO III, SPE		8.9	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI		2.49	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECIROPHOTOMETRY			
SODIUM: SERUM by ISE (ION SELECTIN	/F FLECTRODE)	142.5	mmol/L	135.0 - 150.0
POTASSIUM: SERU	М	4.12	mmol/L	3.50 - 5.00
CHLORIDE: SERUM	1	106.88	mmol/L	90.0 - 110.0
by ISE (ION SELECTIN	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	76.3		
ESTIMATED GLOM (eGFR): SERUM				

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.



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





		Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		Yugam Che MD (Pathe nsultant Pathe	ology)		
IAME	: Mrs. DEEPT	I						
AGE/ GENDER	: 45 YRS/FEM	ALE		PATIENT ID	: 1'	754047		
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	:0	1250212002	29	
REFERRED BY				REGISTRATION D		2/Feb/2025 10		
BARCODE NO.	: 01525377			COLLECTION DAT		2/Feb/2025 1		
CLIENT CODE.	: KOS DIAGNO			REPORTING DATE	E : 13	2/Feb/2025 1	1:48AM	
CLIENT ADDRESS	: 6349/1, NIC	HOLSON ROAD, AMB	ALA CANTT					
Fest Name			Value	Uni	it	Biologi	ical Reference	ce interva
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet au	10:1) WITH DECR osis. nd starvation.	on renal disease.	han creatinii	ne) (e.g. obstructive	e uropathy).			
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 8. Phenacimide thera 8. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido 5. hould produce an in 8. Cephalosporin the	10:1) WITH DECR rosis. and starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate a total appropiate a total appropiate a syn (accelerates of who develop real creased BUN/cro rapy (interferes v JLAR FILTERATIO	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu NRATE: DESCRIPTION mal kidney function dney damage with	out of extrace blood). due to tubul e to creatinin e in creatinir rement).	ellular fluid). ar secretion of urea e).	hodologies,r ASSOCIA No p Presenc	TED FINDINGS roteinuria e of Protein ,		en dehydra
CECREASED RATIO (< Acute tubular necr Low protein diet al Severe liver diseas Conter causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Rhabdomyolysis (r Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE STIMATED GLOMERI CKD STAGE G1	10:1) WITH DECR rosis. and starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate a total appropiate a for a syn (ureased syn creased syn creased BUN/cro rapy (interferes y <u>JLAR FILTERATIO</u> Nor Ki Nor	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increass eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function	out of extrace blood). due to tubul e to creatinin e in creatinir rement).	ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2) >90	hodologies,r ASSOCIA No p Presenc	TED FINDINGS		en dehydra
DECREASED RATIO (< Acute tubular necr Low protein diet and Severe liver diseas Conter causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Rhabdomyolysis (r Amuscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an ind CED STAGE G1 G2 G3a G3a G3b	10:1) WITH DECR rosis. and starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate a total mappropiate a 10:1) WITH INCRI upy (accelerates of veleases muscle of who develop ren creased BUN/cro- rapy (interferes of <u>JAR FILTERATIO</u> Nor King Nor King Model King Nor	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR id decrease in GFR erate decrease in GFR	out of extrace blood). due to tubul e to creatinin e in creatinir rement). GFR (m	ellular fluid). ar secretion of urea e). ne with certain met L/min/1.73m2) >90 >90 60 -89 30-59	hodologies,r ASSOCIA No p Presenc	TED FINDINGS roteinuria e of Protein ,		en dehydra
DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet al 3. Severe liver diseas 4. Other causes of de 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin there <u>STIMATED GLOMERI</u> <u>CKD STAGE</u> <u>G1</u> <u>G2</u> <u>G3a</u>	10:1) WITH DECR rosis. and starvation. e. creased urea syn (urea rather than monemias (urea of inappropiate a total mappropiate a 10:1) WITH INCRI upy (accelerates of veleases muscle of who develop ren creased BUN/cro- rapy (interferes of <u>JAR FILTERATIO</u> Nor King Nor King Model King Nor	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu N RATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR ild decrease in GFR	out of extrace blood). due to tubul e to creatinin e in creatinir rement). GFR (m	ellular fluid). ar secretion of urea e). he with certain met L/min/1.73m2) >90 >90 60 -89	hodologies,r ASSOCIA No p Presenc	TED FINDINGS roteinuria e of Protein ,		en dehydra





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

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







Test Name	Va	lue Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 12/Feb/2025 11:48AM
BARCODE NO.	: 01525377	COLLECTION DATE	: 12/Feb/2025 10:42AM
REFERRED BY	:	REGISTRATION DATE	: 12/Feb/2025 10:37 AM
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502120029
AGE/ GENDER	: 45 YRS/FEMALE	PATIENT ID	: 1754047
NAME	: Mrs. DEEPTI		
	MD (Pathology & Microbic Chairman & Consultant Pa	ology) ME) (Pathology)
	Dr. Vinay Chopra	Dr. Yugar	n Chopra

COMMENTS:

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

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

ADVICE:

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



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 & Chairman & Cons	Microbiology)			
NAME	: Mrs. DEEPTI				
AGE/ GENDER	: 45 YRS/FEMALE	PATIENT	ID	: 1754047	
COLLECTED BY	: SURJESH	REG. NO.	/LAB NO.	: 012502120029	
REFERRED BY	:		ATION DATE	: 12/Feb/2025 10:37 AM	
BARCODE NO.	: 01525377		TON DATE	: 12/Feb/2025 10:42AM	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A		ING DATE	: 12/Feb/2025 11:46AM	
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATHO	DLOGY		
	URINE ROI	UTINE & MICROSCO	PIC EXAMIN	ATION	
PHYSICAL EXAMI	NATION				
QUANTITY RECIEV		10	ml		
COLOUR	TANCE SPECTROPHOTOMETRY	PALE YELLOW		PALE YELLOW	
-	TANCE SPECTROPHOTOMETRY				
TRANSPARANCY by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR	
SPECIFIC GRAVITY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		<=1.005		1.002 - 1.030	
CHEMICAL EXAMI					
REACTION		ACIDIC			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Negative		NEGATIVE (-ve)	
		Negative		NEGATIVE (-ve)	
	SUGAR by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		5.5		5.0 - 7.5	
BILIRUBIN		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		Negative		NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.					
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY KETONE BODIES by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		Normal	EU/dL	0.2 - 1.0	
		Negative		NEGATIVE (-ve)	
		Negative		NEGATIVE (-ve)	
		NEGATIVE (-ve)		NEGATIVE (-ve)	
		NEGATIVE (-ve)		NEGATIVE (-VE)	
MICROSCOPIC EX					
RED BLOOD CELLS	(KBCS)	NEGATIVE (-ve)	/HPF	0 - 3	



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







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



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

NAME	: Mrs. DEEPTI				
AGE/ GENDER	: 45 YRS/FEMALE		PATIENT ID	: 1754047	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502120029	
REFERRED BY	:		REGISTRATION DATE	: 12/Feb/2025 10:37 AM : 12/Feb/2025 10:42AM : 12/Feb/2025 11:46AM	
BARCODE NO.	: 01525377		COLLECTION DATE		
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANT	T		
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON O	CENTRIFUGED URINARY SEDIMENT				
PUS CELLS	CENTRIFLIGED URINARY SEDIMENT	1-3	/HPF	0 - 5	

by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT				
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-3	/HPF	ABSENT	
CRYSTALS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
CASTS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
BACTERIA by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
OTHERS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)		NEGATIVE (-ve)	
TRICHOMONAS VAGINALIS (PROTOZOA) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	ABSENT		ABSENT	

** End Of Report ***





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

 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

