



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		(Pathology)
NAME	: Mrs. HARSHIDA			
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1628883
COLLECTED BY	:		REG. NO./LAB NO.	: 042409290003
REFERRED BY	:		REGISTRATION DATE	: 29/Sep/2024 09:21 AM
BARCODE NO.	: A0465636		COLLECTION DATE	: 29/Sep/2024 11:28AM
	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 29/Sep/2024 11:43AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAS	THYA WE	LLNESS PANEL: 1.0	
	CON		OOD COUNT (CBC)	
RED BLOOD CELLS (RB	CS) COUNT AND INDICES			
HAEMOGLOBIN (HB) by CALORIMETRIC		9.3 ^L	gm/dL	12.0 - 16.0
RED BLOOD CELL (RBC) COUNT cusing, electrical impedence	4.87	Millions/c	mm 3.50 - 5.00
PACKED CELL VOLUME		31.1 ^L	%	37.0 - 50.0
MEAN CORPUSCULAR by CALCULATED BY AU	VOLUME (MCV) TOMATED HEMATOLOGY ANALYZER	63.9 ^L	fL	80.0 - 100.0
MEAN CORPUSCULAR	HAEMOGLOBIN (MCH)	19.1 ^L	pg	27.0 - 34.0
MEAN CORPUSCULAR	HEMOGLOBIN CONC. (MCHC)	29.8 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUTIO	ON WIDTH (RDW-CV)	19.3 ^H	%	11.00 - 16.00
RED CELL DISTRIBUTIC	N WIDTH (RDW-SD)	45.9	fL	35.0 - 56.0
MENTZERS INDEX		13.12	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED		25.33	RATIO	BETA THALASSEMIA TRAIT:<= 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS (<u>(WBCS)</u>			
TOTAL LEUCOCYTE CO	UNT (TLC) BY SF CUBE & MICROSCOPY	7220	/cmm	4000 - 11000
NUCLEATED RED BLOC by AUTOMATED 6 PART	DD CELLS (nRBCS) HEMATOLOGY ANALYZER	NIL		0.00 - 20.00
NUCLEATED RED BLOC	DD CELLS (nRBCS) % TOMATED HEMATOLOGY ANALYZER	NIL	%	< 10 %
NEUTROPHILS		56	%	50 - 70





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

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

 www.koshealthcare.com
 www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Yugam Chopra

MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. HARSHIDA **AGE/ GENDER** : 39 YRS/FEMALE **PATIENT ID** :1628883 **COLLECTED BY** :042409290003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 29/Sep/2024 09:21 AM : A0465636 **BARCODE NO. COLLECTION DATE** : 29/Sep/2024 11:28AM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** : 29/Sep/2024 11:43AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LYMPHOCYTES 31 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 5 % 1 - 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES 8 % 2 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 4043 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 2238 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 361 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 578 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 - 110 0 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 150000 - 450000 PLATELET COUNT (PLT) 376000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 0.33 0.10 - 0.36 PLATELETCRIT (PCT) % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 9 MEAN PLATELET VOLUME (MPV) fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 75000 30000 - 90000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 20 11.0 - 45.0 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 15.5 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

Dr. Vinay Chopra



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



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HARSHIDA RS/FEMALE 5636 DIAGNOSTIC SHAHBAD //1, NICHOLSON ROAD, AMBAI	RE(RE(CO) RE	FIENT ID G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE	: 1628883 : 042409290003 : 29/Sep/2024 09:21 AM : 29/Sep/2024 11:28AM : 29/Sep/2024 12:01PM
5636 DIAGNOSTIC SHAHBAD	RE(RE(CO) RE	G. NO./LAB NO. GISTRATION DATE LLECTION DATE	: 042409290003 : 29/Sep/2024 09:21 AM : 29/Sep/2024 11:28AM
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DIAGNOSTIC SHAHBAD	RE		1
		PORTING DATE	: 29/Sep/2024 12:01PM
/1, NICHOLSON ROAD, AMBAI	LA CANTT		
1	Value	Unit	Biological Reference interval
ERYTHROCY	TE SEDIME	NTATION RATE (ES	R)
ION RATE (ESR) BY CAPILLARY PHOTOMETRY	27 ^H	mm/1st	hr 0 - 20
t tell the health practitioner exa other conditions besides inflam to monitor disease activity and s onditions that inhibit the norma high white blood cell count (le	actly where the mation. For th I response to th al sedimentation	e inflammation is in the is reason, the ESR is ty nerapy in both of the a on of red blood cells, s	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
	t tell the health practitioner exa other conditions besides inflam to monitor disease activity and is onditions that inhibit the norma / high white blood cell count (le naemia) also lower the ESR.	t tell the health practitioner exactly where the other conditions besides inflammation. For th to monitor disease activity and response to th is onditions that inhibit the normal sedimentation high white blood cell count (leucocytosis), a paemia) also lower the ESR.	onditions that inhibit the normal sedimentation of red blood cells, s / high white blood cell count (leucocytosis) , and some protein abno

 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 aspirin cortispon, and quipino 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)



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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	MD (Pathology & Chairman & Con:	sultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
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REFERRED BY	:	REGIS	TRATION DATE	: 29/Sep/2024 09:21 AM
BARCODE NO.	: A0465634	COLLE	ECTION DATE	: 29/Sep/2024 11:28AM
Dimeobline				
	: KOS DIAGNOSTIC SHAHBAD	REPO	RTING DATE	: 29/Sep/2024 12:21PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, /		RTING DATE	: 29/Sep/2024 12:21PM
CLIENT CODE. CLIENT ADDRESS			RTING DATE	: 29/Sep/2024 12:21PM Biological Reference interval
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	Unit	Biological Reference interval
CLIENT CODE. CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT	Unit BIOCHEMISTR	Biological Reference interval

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)

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 www.koshealthcare.com



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50 9001 . 2000 CENT				
		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBA	D RE	PORTING DATE	: 29/Sep/2024 12:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROFIL	E : BASIC	
CHOLESTEROL TOTA		144.39	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O	KIDASE PAP			BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.
TRIGLYCERIDES: SEI		174.47 ^H	mg/dL	OPTIMAL: < 150.0
by GLICEROL PHOS	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
				VERY HIGH: > OR = 500.0
HDL CHOLESTEROL	(DIRECT): SERUM	47.81	mg/dL	LOW HDL: < 30.0
by SELECTIVE INHIBIT	TON			BORDERLINE HIGH HDL: 30.0 -
				60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL:	SERLIM	61.69	mg/dL	OPTIMAL: < 100.0
by CALCULATED, SPE		01.07	ing/ dE	ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 - 159.
				HIGH: 160.0 - 189.0
NON HDL CHOLESTE		96.58	ma/dl	VERY HIGH: > OR = 190.0 OPTIMAL: < 130.0
by CALCULATED, SPE		90.58	mg/dL	ABOVE OPTIMAL: 130.0 - 159.0
				BORDERLINE HIGH: 160.0 - 189.
				HIGH: 190.0 - 219.0
		24.00		VERY HIGH: > OR = 220.0
VLDL CHOLESTEROL by CALCULATED, SPE		34.89	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU		463.25	mg/dL	350.00 - 700.00
by CALCULATED, SPE		2.02	DATIO	
CHOLESTEROL/HDL by CALCULATED, SPE		3.02	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: SEF		1.29	RATIO	LOW RISK: 0.50 - 3.0
by CALCULATED, SPE	EGTROPHOTOMETRY			MODERATE RISK: 3.10 - 6.0
				HIGH RISK: > 6.0

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Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HDI	_ RATIO: SERUM	3.65	RATIO	3.00 - 5.00

by CALCULATED, SPECTROPHOTOMETRY

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 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





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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. HARSHIDA AGE/ GENDER : 39 YRS/FEMALE **PATIENT ID** :1628883 **COLLECTED BY** :042409290003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 29/Sep/2024 09:21 AM **BARCODE NO.** : A0465635 **COLLECTION DATE** : 29/Sep/2024 11:28AM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** : 29/Sep/2024 12:21PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.44 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.15 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.29 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 37.4U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 12.4 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 3.02 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY U/L ALKALINE PHOSPHATASE: SERUM 74.52 40.0 - 130.0 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 16.08 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 6.77 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 3.78 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

GLOBULIN: SERUM

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

2.99

1.26





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

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gm/dL

RATIO

2.30 - 3.50

1.00 - 2.00

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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). **PROGNOSTIC SIGNIFICANCE:**

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

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	, , , , , , , , , , , , , , , , , , , ,			
Test Name		Value	Unit	Biological Reference interval
	кі	DNEY FUNCTION	TEST (COMPLETE)	
UREA: SERUM		18.32	mg/dL	10.00 - 50.00
•	IATE DEHYDROGENASE (GLDH)			
CREATININE: SERUN by ENZYMATIC, SPEC		0.88	mg/dL	0.40 - 1.20
BLOOD UREA NITRO		8.56	mg/dL	7.0 - 25.0
by CALCULATED, SPE		0.00	ing, at	1.0 20.0
	GEN (BUN)/CREATININE	9.73 ^L	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPI	ECTROPHOTOMETRY			
UREA/CREATININE F		20.82	RATIO	
by CALCULATED, SPE				
URIC ACID: SERUM by URICASE - OXIDAS		2.15 ^L	mg/dL	2.50 - 6.80
CALCIUM: SERUM	SE PEROXIDASE	8.95	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE	CTROPHOTOMETRY			
PHOSPHOROUS: SER		2.54	mg/dL	2.30 - 4.70
ELECTROLYTES	DATE, SPECTROPHOTOMETRY			
		140.2	mmol/	125.0 150.0
SODIUM: SERUM by ISE (ION SELECTIV	E ELECTRODE)	140.2	mmol/L	135.0 - 150.0
POTASSIUM: SERUM		4.13	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV	E ELECTRODE)			
CHLORIDE: SERUM by ISE (ION SELECTIV	E FLECTRODE)	105.15	mmol/L	90.0 - 110.0
	RULAR FILTERATION RATE			
	RULAR FILTERATION RATE	85.7		
(eGFR): SERUM				
by CALCULATED				

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.



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GE/ GENDER : 39 YRS/FEMALE PATIENT ID : 1628883 OLLECTED BY : REG. NO./LAB NO. : 04240929003 LEFERED BY : REGISTRATION DATE : 29/Sep/2024 11:28AM ARCODE NO. : A0465635 COLLECTION DATE : 29/Sep/2024 11:28AM LIENT CODE : KOS DIAGNOSTIC SHAHBAD REPORTING DATE : 29/Sep/2024 12:21PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Biological Reference interval Ci haemorrhage.		MD (Pathology &	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist		
DILECTED BY : REG. NO./LAB NO. : 942409290003 EFERRED BY : . REGISTRATION DATE : 29/Sep/2024 09:21 AM ARCODE NO. : A0465635 COLLECTION DATE : 29/Sep/2024 11:28AM LIENT CODE : : S039/1, NICHOLSON ROAD, AMBALA CANTT :	NAME	: Mrs. HARSHIDA			
EFERRED BY :: REGISTRATION DATE : 29/Sep/2024 09:21 AM ARCODE NO. : A0465635 COLLECTION DATE : 29/Sep/2024 11:28AM LIENT CODE :: KOS DIAGNOSTIC SHAHBAD REPORTING DATE : 29/Sep/2024 12:21PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTF Biological Reference interval ic I haemorrhage.	AGE/ GENDER	: 39 YRS/FEMALE	PATIENT ID	: 1628883	
EFERRED BY :: REGISTRATION DATE : 29/Sep/2024 09:21 AM ARCODE NO. : A0465635 COLLECTION DATE : 29/Sep/2024 11:28AM LIENT CODE :: KOS DIAGNOSTIC SHAHBAD REPORTING DATE : 29/Sep/2024 12:21PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTF Biological Reference interval ic I haemorrhage.	COLLECTED BY	:	REG. NO./LAB NO.	: 042409290003	
ARCODE NO. : : A0465635 COLLECTION DATE : : 29/Sep/2024 11:28AM LIENT CODE : : KOS DIAGNOSTIC SHAHBAD REPORTING DATE : : 29/Sep/2024 12:21PM LIENT ADDRESS : : 6349/1, NICHOLSON ROAD, AMBALA CANTT Cet Name Value Unit Biological Reference interval G haemorhage. High protein intake. Impaired renal function plus Scess protein intake or production or tissue breakdown (e.g. infection, Gi bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet, Urins erabsorption (e.g. ureter colostomy) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticolds) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticolds) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticolds) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. tetracycline, glucocorticolds) Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia superimposod on renal disease. ECREASED RATIO (c10:1) WITH DECREASED BUN : Acute tubular necrosis. Boyset of decreased urea synthesis. Repeated dialysis (urea rather than creatinine blood). SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea. Pregnanzo. ECREASED RATIO (c10:1) WITH INCREASED CREATININE: Pregnanzo. Reparced dialysis (releases muscle creatinne). Mabdit therapy (accelerates conversion of creatine to creatinine). Pregnanzo. EXPERIMENTIO (c10:1) WITH INCREASED CREATININE: Pregnanzo. Pregnanzo. Reprodite RATIO (c10:1) WITH INCREASED CREATININE: Pregnanzo. Reparcimation therapy (Interferes with creatine to creatinine). Pregnanzo. Certain protein failure: Pregnanzo. Certain protein failure: Pregnanzo. Certain pregnation therapy (Interferes with creatinine with certain m					
LIENT CODE : KOS DIAGNOSTIC SHAHBAD REPORTING DATE : 29/Sep/2024 12:21PM LIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT Sidogical Reference interval 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) . Orrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). . Prerenal azotemia superimgosed on renal disease. EREASED RATIO (<10:1) WITH DECREASED BUN:		· · \0/65635		1	
LIETT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT est Name Value Unit Biological Reference interval . GI haemorrhage. . High protein intake.				•	
Yolue Unit Biological Reference interval 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, cachekia, high fever). Iverter colostomy) Orline reabsorption (e.g., ureter colostomy) Reduced muscle mass (subnormal creatinine production) Certain drugs (e.g. theracycline, glucocorticoids) VCRRASED 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). Perenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Perenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Perenal azotemia (BUN rises disproportion ell disease. CRCRASED RATIO (<10:1) WITH DECREASED BUN :				: 29/Sep/2024 12:21PM	
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 (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (SUM) rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (SUM) rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (SUM) rises disproportionately more than creatinine) (e.g. obstructive uropathy). Prerenal azotemia (SUM) rises disproportionately more than creatinine (e.g. obstructive uropathy). Prerenal azotemia (SUM) rises disproportionately more than creatinine) (e.g. obstructive uropathy). Severe liver disease. Other causes of decreased urea synthesis. Repeated dialysis (urea rather than creatinine blood). SIAD	CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
 High protein infake. 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. VEREASED RATIO (>10:1) WITH DECREASED BUN : Acute tubular necrosis. Low protein diet and starvation. Severe liver 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. VEREASED RATIO (<10:1) WITH INCREASED CREATININE: Phenacinide therapy (accelerates conversion of creatine to creatinine). Rabdomyolysis (releases muscle creatinine). Muscular patients who develop renal failure. VAPPROPIATE RATIO Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydrat hould produce an increased BUN/creatinine measurement). STIMATED GLOMERULAR FLITERATION RATE: CRD STAGE OR Mormal kidney function 90 No proteinuria 	Test Name		Value Unit	Biological Reference interval	
STIMATED GLOMERULAR FILTERATION RATE: CKD STAGE DESCRIPTION GFR (mL/min/1.73m2) ASSOCIATED FINDINGS G1 Normal kidney function >90 No proteinuria	 Acute tubular necr Low protein diet a Severe liver diseas 	osis. nd starvation. e.			
CKD STAGEDESCRIPTIONGFR (mL/min/1.73m2)ASSOCIATED FINDINGSG1Normal kidney function>90No proteinuria	 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an ir 	furea rather than creatinine diff monemias (urea is virtually abso of inappropiate antidiuretic harn IO:1) WITH INCREASED CREATINII py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false ir creased BUN/creatinine ratio).	ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). ncrease in creatinine with certain metho	odologies,resulting in normal ratio when dehydrati	
	 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIC 1. Diabetic ketoacido should produce an ir 2. Cephalosporin the ESTIMATED GLOMERI 	furea rather than creatinine diff monemias (urea is virtually abso of inappropiate antidiuretic harn 10:1) WITH INCREASED CREATINII py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false in creased BUN/creatinine ratio). rapy (interferes with creatinine r	ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). ncrease in creatinine with certain metho neasurement).	odologies,resulting in normal ratio when dehydrati	
G2 Kidney damage with >90 Presence of Protein ,	 5. Repeated dialysis 6. Inherited hyperam 7. SIADH (syndrome of 3. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIC 1. Diabetic ketoacido should produce an ir 2. Cephalosporin the ESTIMATED GLOMERI CKD STAGE 	Curea rather than creatinine diff monemias (urea is virtually absorb of inappropiate antidiuretic harn IO:1) WITH INCREASED CREATINI py (accelerates conversion of cr eleases muscle creatinine). who develop renal failure. sis (acetoacetate causes false in creased BUN/creatinine ratio). Tapy (interferes with creatinine r JLAR FILTERATION RATE: DESCRIPTION	ent in blood). none) due to tubular secretion of urea. NE: eatine to creatinine). ncrease in creatinine with certain metho neasurement). <u>GFR (mL/min/1.73m2)</u>	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: 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 Patholog		(Pathology)
NAME	: Mrs. HARSHIDA		
AGE/ GENDER	: 39 YRS/FEMALE	PATIENT ID	: 1628883
COLLECTED BY	:	REG. NO./LAB NO.	: 042409290003
REFERRED BY	:	REGISTRATION DATE	: 29/Sep/2024 09:21 AM
BARCODE NO.	: A0465635	COLLECTION DATE	: 29/Sep/2024 11:28AM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 29/Sep/2024 12:21PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
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 Cho MD (Pathology & Chairman & Cons	Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. HARSHIDA : 39 YRS/FEMALE : : : A0465633 : KOS DIAGNOSTIC SHAHBAD : 6349/1, NICHOLSON ROAD, A	REGIST COLLE REPOR	NT ID O./LAB NO. FRATION DATE CTION DATE RTING DATE	: 1628883 : 042409290003 : 29/Sep/2024 09:21 AM : 29/Sep/2024 11:29AM : 29/Sep/2024 12:55PM
Test Name		Value	Unit	Biological Reference interval
PHYSICAL EXAMINA		CLINICAL PATH		ION
COLOUR by DIP STICK/REFLEC TRANSPARANCY by DIP STICK/REFLEC SPECIFIC GRAVITY	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	10 PALE YELLOW HAZY 1.02	ml	PALE YELLOW CLEAR 1.002 - 1.030
PROTEIN by DIP STICK/REFLEC SUGAR by DIP STICK/REFLEC PH by DIP STICK/REFLEC BILIRUBIN by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	ACIDIC Negative Negative <=5.0 Negative Negative		NEGATIVE (-ve) NEGATIVE (-ve) 5.0 - 7.5 NEGATIVE (-ve) NEGATIVE (-ve)
UROBILINOGEN by DIP STICK/REFLEC KETONE BODIES by DIP STICK/REFLEC BLOOD by DIP STICK/REFLEC ASCORBIC ACID	TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY TANCE SPECTROPHOTOMETRY	Normal Negative Negative NEGATIVE (-ve)	EU/dL	0.2 - 1.0 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

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: 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. HARSHIDA		
AGE/ GENDER	: 39 YRS/FEMALE	PATIENT ID	: 1628883
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Test Name		Value Un	it Biological Reference interval

RED BLOOD CELLS (RBCs) by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	NEGATIVE (-ve)	/HPF	0 - 3
PUS CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	2-4	/HPF	0 - 5
EPITHELIAL CELLS by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT	10-12	/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)
	ABSENT		ABSENT

*** End Of Report ***



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

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

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