



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	M	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1575651
COLLECTED BY	:		REG. NO./LAB NO.	: 042408090003
REFERRED BY	:		REGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465176		COLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 09/Aug/2024 04:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	BALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
	SWAS	STHYA V	VELLNESS PANEL: G	
	CON		LOOD COUNT (CBC)	
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		11.5 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RE		4.83	Millions	/cmm 3.50 - 5.00
PACKED CELL VOLUN		37.8 ^L	%	37.0 - 50.0
MEAN CORPUSCULA		78.4 ^L	fL	80.0 - 100.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	23.8 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	AUTOMATED HEMATOLOGY ANALYZER NR HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	30.4 ^L	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	TION WIDTH (RDW-CV) AUTOMATED HEMATOLOGY ANALYZER	16.5 ^H	%	11.00 - 16.00
RED CELL DISTRIBUT	TION WIDTH (RDW-SD) AUTOMATED HEMATOLOGY ANALYZER	48.4	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		16.23	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	ΞX	26.77	RATIO	BETA THALASSEMIA TRAIT: < = 65.0
·				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE C	COUNT (TLC) y by sf cube & microscopy	8970	/cmm	4000 - 11000
NUCLEATED RED BLO		NIL		0.00 - 20.00
by CALCULATED BY A MICROSCOPY	DOD CELLS (nRBCS) % automated hematology analyzer & OCYTE COUNT (DLC)	NIL	%	< 10 %

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



an

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, HaryanaKOS Molecular Lab:IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. RAJWANT KAUR **AGE/ GENDER** : 59 YRS/FEMALE **PATIENT ID** :1575651 **COLLECTED BY** :042408090003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :09/Aug/2024 01:16 PM : A0465176 **BARCODE NO. COLLECTION DATE** :09/Aug/202403:29PM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :09/Aug/202404:01PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** % **NEUTROPHILS** 68 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 23 % 20 - 40 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS % 1 1 - 6by 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** 2000 - 7500 ABSOLUTE NEUTROPHIL COUNT 6100 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 2063 800 - 4900 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 90 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 80 - 880 718 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 150000 - 450000 /cmm 146000^L by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE % PLATELETCRIT (PCT) 0.14 0.10 - 0.36 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE **MEAN PLATELET VOLUME (MPV)** 14^H fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 56000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) % 11.0 - 45.0 53.7^H by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16.4 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

RECHECKED.



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 & Cor		Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE	P	ATIENT ID	: 1575651
COLLECTED BY	:	R	EG. NO./LAB NO.	: 042408090003
REFERRED BY	:	R	EGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465176	C	OLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD) R	EPORTING DATE	: 09/Aug/2024 04:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		, i i i i i i i i i i i i i i i i i i i
Test Name		Value	Unit	Biological Reference interval
	G	LYCOSYLATED HAE	MOGLOBIN (HBA1C)	
GLYCOSYLATED HAEM	OGLOBIN (HbA1c):	6.2	%	4.0 - 6.4
ESTIMATED AVERAGE I		131.24	mg/dL	60.00 - 140.00
	AS PER AMERICAN DIA	BETES ASSOCIATION (AI	DA):	
RE	FERENCE GROUP	GLYCOSYLA	TED HEMOGLOGIB (HBAIC) i	in %
	oetic Adults >= 18 years		<5.7	
	Risk (Prediabetes)	/	5.7 – 6.4	
Dia	gnosing Diabetes		>= 6.5	
			Age > 19 Years	

Non diabetic Adults >= To years	<0.7		
At Risk (Prediabetes)	5.7 - 6.4	Ļ	
Diagnosing Diabetes	>= 6.5		
	Age > 19 Ye	ars	_
	Goals of Therapy:	< 7.0	
Therapeutic goals for glycemic control	Actions Suggested:	>8.0	
	Age < 19 Ye	ears	
	Goal of therapy:	<7.5	
COMMENTS			

COMMENTS

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients. 2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0% may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be

appropiate. Here a second seco

FIDATC (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve com 5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7. Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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

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

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



Page 3 of 13

4.High





	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	C, /	(Pathology)
NAME	: Mrs. RAJWANT KAUR		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1575651
COLLECTED BY	:	REG. NO./LAB NO.	: 042408090003
REFERRED BY	:	REGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465176	COLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 09/Aug/2024 04:43PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT	
Test Name	Va	lue Unit	Biological Reference interval

	LIFOTRO	ONIC Graph Report			
Name : Age : Gender :	Case : Department :	Patient Type Sample Type	: Whole Blood EDTA	Test Date : 09/08/2024 Sample ld : A0465176 Total Area : 12126	16:30:2
Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)	
HbA0	69	3486	10834	87.6	
HbA1c	38	68	769	6.2	
La1c	25	31	219	1.8	
HbF	21	8	13	0.1	
Hba1b	13	49	184	1.5	
Hba1a	10	31	107	0.9	
0.03 0.025 0.02- 0.01- 0.01- 0.005 0_0_10	20 30 40 50 60 Ti	70 80 90 T		Choromotography Hba1c	



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 Ch MD (Pathology & Chairman & Con		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE	PATIE	NT ID	: 1575651
COLLECTED BY	:	REG. N	10./LAB NO.	: 042408090003
REFERRED BY	:	REGIS	TRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465176	COLLE	CTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPO	RTING DATE	:09/Aug/202404:10PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
			ATION RATE (ES	R)
	ERYIF			
	ERY IF MENTATION RATE (ESR) RGREN AUTOMATED METHOD	82 ^H	mm/1st ł	nr 0 - 20

nt (leucocytosis) , and some protein abnormalities. Some changes in red cell shape (such y nig as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

 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)







	Dr. Vinay Ch MD (Pathology & Chairman & Con		Dr. Yugarr MD CEO & Consultant	(Pathology)
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE	PATI	ENT ID	: 1575651
COLLECTED BY	:	REG.	NO./LAB NO.	: 042408090003
REFERRED BY	:	REGI	STRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465174	COLI	ECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPO	DRTING DATE	:09/Aug/202404:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CUN	ICAL CHEMISTRY	/BIOCHEMISTR	Y
	OLIN			
	ULIN	GLUCOSE FAS	TING (F)	

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.
 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 & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RAJWANT KAUR : 59 YRS/FEMALE : : : A0465175 : KOS DIAGNOSTIC SHAHBA : 6349/1, NICHOLSON ROAJ	D REGIS	NT ID 10./LAB NO. TRATION DATE ECTION DATE RTING DATE	: 1575651 : 042408090003 : 09/Aug/2024 01:16 PM : 09/Aug/2024 03:29PM : 09/Aug/2024 04:15PM
Test Name		Value	Unit	Biological Reference interval
CHOLESTEROL TOTA by CHOLESTEROL O		LIPID PROFILE : 182.91	BASIC mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0
TRIGLYCERIDES: SEF	RUM PHATE OXIDASE (ENZYMATIC)	129.95	mg/dL	HIGH CHOLESTEROL: > OR = 240.0 OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROL (by SELECTIVE INHIBIT		68.89	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 - 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROL: 5		88.03	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLESTE by CALCULATED, SPE		114.02	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 CHOLESTEROL by CALCULATED, SPE		25.99	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SERU	M	495.77	mg/dL	350.00 - 700.00
CHOLESTEROL/HDL by CALCULATED, SPE	RATIO: SERUM	2.66	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 by CALCULATED, SPE		1.28	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
		^		

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
 www.koshealthcare.com



Page 7 of 13





	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE	РАТ	TIENT ID	: 1575651
COLLECTED BY	:	REG	. NO./LAB NO.	: 042408090003
REFERRED BY	:	REG	ISTRATION DATE	:09/Aug/202401:16 PM
BARCODE NO.	: A0465175	COL	LECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REP	ORTING DATE	: 09/Aug/2024 04:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT			
Toot Nome		Value	llait	Dielegiaal Deference interval
Test Name		Value	Unit	Biological Reference interval
TRIGLYCERIDES/HD	L RATIO: SERUM	1.89 ^L	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.

 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 Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. RAJWANT KAUR AGE/ GENDER : 59 YRS/FEMALE **PATIENT ID** :1575651 **COLLECTED BY** :042408090003 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :09/Aug/2024 01:16 PM **BARCODE NO.** : A0465175 **COLLECTION DATE** :09/Aug/202403:29PM CLIENT CODE. : KOS DIAGNOSTIC SHAHBAD **REPORTING DATE** :09/Aug/202404:15PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** LIVER FUNCTION TEST (COMPLETE) **BILIRUBIN TOTAL: SERUM** 0.73 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.23 0.00 - 0.40 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.5 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY SGOT/AST: SERUM 20 U/L 7.00 - 45.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 20.9 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.96 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY U/L ALKALINE PHOSPHATASE: SERUM 40.0 - 130.0 121.24 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL U/L GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 11.57 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 7.2 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 3.84 gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN **GLOBULIN: SERUM** 3.36 gm/dL 2.30 - 3.50 by CALCULATED, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY INTERPRETATION

A : G RATIO: 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

1.14





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

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

RATIO

1.00 - 2.00

 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 Chop MD (Pathology & Mi Chairman & Consult	icrobiology) M[m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. RAJWANT KAUR		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1575651
COLLECTED BY	:	REG. NO./LAB NO.	: 042408090003
REFERRED BY	:	REGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465175	COLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 09/Aug/2024 04:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT	
Test Name		Value Unit	Biological Reference interval
HEPATOCELLULAR C.	ARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly In	creased)

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: 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 Ch e MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mrs. RAJWANT KAUR			
AGE/ GENDER	: 59 YRS/FEMALE		PATIENT ID	: 1575651
COLLECTED BY	:		REG. NO./LAB NO.	: 042408090003
REFERRED BY	:		REGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465175		COLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 09/Aug/2024 04:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A			
	, , , , , , , , , , , , , , , , , , , ,			
Test Name		Value	Unit	Biological Reference interval
	KIC		N TEST (COMPLETE)	
UREA: SERUM		31.59	mg/dL	10.00 - 50.00
CREATININE: SERUN	IATE DEHYDROGENASE (GLDH) A	0.95	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC		0.75	nig/ dE	0.40 1.20
BLOOD UREA NITRO		14.76	mg/dL	7.0 - 25.0
by CALCULATED, SPE		15.54	RATIO	10.0 - 20.0
RATIO: SERUM	GEN (BUN)/CREATININE	15.54	KATIO	10.0 - 20.0
by CALCULATED, SPE	CTROPHOTOMETRY			
UREA/CREATININE F		33.25	RATIO	
by CALCULATED, SPE	ECTROPHOTOMETRY	2 00	ma/dl	2.50 - 6.80
URIC ACID: SERUM by URICASE - OXIDAS	E PEROXIDASE	3.89	mg/dL	2.30 - 0.80
CALCIUM: SERUM		9.42	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE		1.00	<i>(</i>),	0.00 1.70
PHOSPHOROUS: SER	CUM DATE, SPECTROPHOTOMETRY	4.28	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		138.6	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	E ELECTRODE)	100.0		
POTASSIUM: SERUN		4.47	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM	E ELECTRODE)	103.95	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	E ELECTRODE)	103.95	THINOI/L	90.0 - 110.0
	RULAR FILTERATION RATE			
ESTIMATED GLOME (eGFR): SERUM by CALCULATED	RULAR FILTERATION RATE	69		

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.



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

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

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

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

KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana Page 11 of 13





	MD	Vinay Chopra (Pathology & Microl irman & Consultant		Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Mrs. RAJWANT	KAUR				
GE/ GENDER	: 59 YRS/FEMALE		PATIH	NT ID	: 1575651	
COLLECTED BY			REG N	IO./LAB NO.	: 042408090003	
REFERRED BY				TRATION DATE		S DM
	•				: 09/Aug/2024 01:10	
BARCODE NO.	: A0465175			CTION DATE	: 09/Aug/2024 03:29	
CLIENT CODE.	: KOS DIAGNOST			RTING DATE	:09/Aug/202404:1	5PM
CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AMBAI	LA CANTT			
Test Name		1	/alue	Unit	Biological	Reference interval
 Acute tubular necr Low protein diet and Severe liver diseas Other causes of de 	nd starvation. e.		t of extracellular	(I I. J.)		
5. Inherited hyperam 7. SIADH (syndrome o 3. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r	of inappropiate anti- IO:1) WITH INCREAS py (accelerates con eleases muscle crea	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine).	lood). Je to tubular secr			
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin thei 	of inappropiate anti- 10:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati rapy (interferes with	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. failure. nuses false increase nine ratio).	lood). ue to tubular secr o creatinine). in creatinine with	etion of urea.	ogies,resulting in norma	l ratio when dehydratio
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin thera STIMATED GLOMER 	of inappropiate anti- 10:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati apy (interferes with JLAR FILTERATION R	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. failure. nuses false increase nine ratio). o creatinine measure ATE:	lood). ue to tubular secr o creatinine). in creatinine with ement).	etion of urea.		l ratio when dehydratio
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido bould produce an in Cephalosporin ther ESTIMATED GLOMERIC 	of inappropiate anti- 10:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati rapy (interferes with JLAR FILTERATION R	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. failure. nuses false increase nine ratio). creatinine measure ATE: ESCRIPTION	lood). ue to tubular secr o creatinine). in creatinine with ement). GFR (mL/min	etion of urea.	SOCIATED FINDINGS	l ratio when dehydratio
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin ther ESTIMATED GLOMERL 	of inappropiate anti- IO:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati rapy (interferes with JLAR FILTERATION R D Norma	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. failure. nuses false increase nine ratio). creatinine measure ATE: ESCRIPTION	lood). ue to tubular secr o creatinine). in creatinine with ement).	etion of urea.		l ratio when dehydratio
 Inherited hyperam SIADH (syndrome of Beregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido Should produce an in Cephalosporin there ESTIMATED GLOMERI CKD STAGE G1 	of inappropiate anti- IO:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati rapy (interferes with JLAR FILTERATION R 	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. failure. nuses false increase nine ratio). creatinine measure ATE: ESCRIPTION	lood). ue to tubular secr o creatinine). in creatinine with ement). GFR (mL/min >90	etion of urea.	SOCIATED FINDINGS	l ratio when dehydratio
 Inherited hyperam SIADH (syndrome of Pregnancy. Pregnancy. Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in Cephalosporin their STIMATED GLOMERI CKD STAGE G1 	of inappropiate anti- IO:1) WITH INCREAS py (accelerates con eleases muscle crea who develop renal : sis (acetoacetate ca creased BUN/creati apy (interferes with JLAR FILTERATION R D Norma Kidne norm	virtually absent in bl diuretic harmone) du ED CREATININE: version of creatine t atinine). failure. suses false increase nine ratio). creatinine measure ATE: ESCRIPTION I kidney function y damage with	lood). ue to tubular secr o creatinine). in creatinine with ement). GFR (mL/min >90	etion of urea.	SOCIATED FINDINGS No proteinuria	l ratio when dehydratio

Severe decrease in GFR
Kidney failure

Г

G3b

G4

G5



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

Moderate decrease in GFR

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

30-59

15-29

<15

 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 & Micro Chairman & Consultant	biology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. RAJWANT KAUR		
AGE/ GENDER	: 59 YRS/FEMALE	PATIENT ID	: 1575651
COLLECTED BY	:	REG. NO./LAB NO.	: 042408090003
REFERRED BY	:	REGISTRATION DATE	: 09/Aug/2024 01:16 PM
BARCODE NO.	: A0465175	COLLECTION DATE	: 09/Aug/2024 03:29PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 09/Aug/2024 04:15PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA 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

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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

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

