



Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultan	obiology)	M	m Chopra D (Pathology) nt Pathologist	
Ir. AMRIT PAL				
9 YRS/MALE		PATIENT ID	: 1676978	
		REG. NO./LAB NO.	:0424112000	002
		REGISTRATION DATE	:20/Nov/2024	12:08 PM
		COLLECTION DATE	:20/Nov/2024	03:39PM
			: 20/Nov/2024	03:56PM
349/1, NICHOLSON ROAD, AMBA	ALA CANT'I			
	Value	Unit	Biolo	gical Reference interval
SWASTH	IYA WE	LLNESS PANEL: 1	5.0	
СОМР	LETE BL	OOD COUNT (CBC)		
BCS) COUNT AND INDICES				
	14.6	gm/dL	12.0	- 17.0
	5.18 ^H	Million	s/cmm 3.50	- 5.00
	46.2	%	40.0	- 54.0
	89.3	fL	80.0	- 100.0
	28.2	pg	27.0	- 34.0
	31.6 ^L	g/dL	32.0	- 36.0
	14.6	%	11.00) - 16.00
	48.6	fL	35.0	- 56.0
	17.24	RATIO	13.0 IRON	A THALASSEMIA TRAIT: < DEFICIENCY ANEMIA:)
	25.18	RATIO	65.0	A THALASSEMIA TRAIT:<=
	10000		4000	- 11000
	10090	/ cinim	4000	- 11000
· · · · ·	NIL		0.00	- 20.00
DD CELLS (nRBCS) %	NIL	%	< 10	0/
	Chairman & Consultan Ar. AMRIT PAL 99 YRS/MALE 11164530 305 DIAGNOSTIC SHAHBAD 3349/1, NICHOLSON ROAD, AMB/ SWASTH	Chairman & Consultant Pathologis Ar. AMRIT PAL 49 YRS/MALE AI164530 SOS DIAGNOSTIC SHAHBAD SWASTHYA WEI SWASTHYA WEI SWASTHYA WEI SWASTHYA WEI COMPLETE BL BCS) COUNT AND INDICES 14.6 SUSS COUNT AND INDICES 14.6 SUSS COUNT AND INDICES 14.6 SUSS COUNT AND INDICES 14.6 SUNT (INCHOLOGY ANALYZER 14.6 20 COUNT AND INDICES 14.6 SUNT (MCV) 14.6 20 COUNT AND INDICES 14.6 20 COUNT AND INDICES 14.6 20 COUNT ANALYZER 14.6 20 COUNT (MCV) 16.6 20 COUNT (NCN) 16.6 <	CEO & Consultant Pathologia GEO & Consultant Pathologia PATTENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE ATTENT ID REGISTRATION DATE COLLECTION DATE REGISTRATION DATE COLLECTION DATE REGISTRATION DATE COLLECTION DATE REGISTRATION DATE SWASSTHYA WELLINESS PANEL: 14 COMPLETE BLOOD COUNT (CBC) BLOOD COUNT (CBC) SWASSTHYA WELLNESS PANEL: 14 COUNT AND INDICES 14.6 gm/dL OLOUNT 5.18 ^H Million SING ELECTICAL IMPEDENCE (PCV) 46.2 % AGL 92 MATED HEMATOLOGY ANALYZER NATED HEMATOLOGY ANALYZER 93.3 fL MATED HEMATOLOGY ANALYZER 96 ON WIDTH (RDW-CV) 14.6 % <td< td=""><td>CEO & Consultant Pathologist CEO & Consultant Pathologist Ar. AMRIT PAL 9 YRS/MALE PATIENT ID ::1676978 REG. NO./LAB NO. :0424112000 REGISTRATION DATE :20/Nov/2024 1164530 COLLECTION DATE :20/Nov/2024 (SS DIAGNOSTIC SHAHBAD REPORTING DATE :20/Nov/2024 SWASTHYA WELLINESS PANEL: 15.0 COMPLETE BLOOD COUNT (CBC) BIOLOD COUNT SUMALYZER 14.6 gm/dL 12.0 .) COUNT 5.18^H Millions/cmm 3.50 SING, ELECTRICAL IMPEDENCE 14.6 gm/dL 12.0 .) COUNT 5.18^H Millions/cmm 3.50 SING, ELECTRICAL IMPEDENCE 14.6 % 40.0 MATED HEMATOLOGY ANALYZER 89.3 fL 80.0 MATED HEMATOLOGY ANALYZER 89.3 fL 32.0 NATED HEMATOLOGY ANALYZER 14.6 % 11.00 MATED HEMATOLOGY ANALYZER 14.6 % 11.00</td></td<>	CEO & Consultant Pathologist CEO & Consultant Pathologist Ar. AMRIT PAL 9 YRS/MALE PATIENT ID ::1676978 REG. NO./LAB NO. :0424112000 REGISTRATION DATE :20/Nov/2024 1164530 COLLECTION DATE :20/Nov/2024 (SS DIAGNOSTIC SHAHBAD REPORTING DATE :20/Nov/2024 SWASTHYA WELLINESS PANEL: 15.0 COMPLETE BLOOD COUNT (CBC) BIOLOD COUNT SUMALYZER 14.6 gm/dL 12.0 .) COUNT 5.18 ^H Millions/cmm 3.50 SING, ELECTRICAL IMPEDENCE 14.6 gm/dL 12.0 .) COUNT 5.18 ^H Millions/cmm 3.50 SING, ELECTRICAL IMPEDENCE 14.6 % 40.0 MATED HEMATOLOGY ANALYZER 89.3 fL 80.0 MATED HEMATOLOGY ANALYZER 89.3 fL 32.0 NATED HEMATOLOGY ANALYZER 14.6 % 11.00 MATED HEMATOLOGY ANALYZER 14.6 % 11.00

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)

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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

NAME	: Mr. AMRIT PAL		
AGE/ GENDER	: 39 YRS/MALE	PATIENT ID	: 1676978
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTI		

Dr. Vinay Chopra

MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS	68	%	50 - 70
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	22	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6861	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2220	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	404	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	605	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	345000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.39 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	122000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by Hydro dynamic focusing, electrical impedence	35.3	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.8	%	15.0 - 17.0



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Test Name	Value	Unit	Biological Reference interval



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REFERRED BY	:	F	REGISTRATION DATE	: 20/Nov/2024 12:08 PM
BARCODE NO.	: A1164447	C	COLLECTION DATE	: 20/Nov/2024 03:39PM
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CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CLINICAL CHEMIST	RY/BIOCHEMIST	'RY
		GLUCOSE H	FASTING (F)	
GLUCOSE FASTING	G (F): PLASMA Se - peroxidase (god-po	75.22	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.

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.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra y & Microbiology) Consultant Pathologist	& Microbiology) MD (Pathology)		
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mr. AMRIT PAL : 39 YRS/MALE : : : A1164529 : KOS DIAGNOSTIC SHAHBA : 6349/1, NICHOLSON ROA	AD REGIS	NT ID O./LAB NO. FRATION DATE CTION DATE RTING DATE	: 1676978 : 042411200002 : 20/Nov/2024 12:08 PM : 20/Nov/2024 03:39PM : 20/Nov/2024 04:54PM	
Test Name		Value	Unit	Biological Reference interval	
		LIPID PROFILE	: BASIC		
CHOLESTEROL TO by CHOLESTEROL O>		238.88 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0	
TRIGLYCERIDES: S by GLYCEROL PHOSF	ERUM PHATE OXIDASE (ENZYMATIC)	301.22 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0	
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 70N	38.37	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0	
LDL CHOLESTERO by CALCULATED, SPE		140.27 ^H	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0	
NON HDL CHOLES' by calculated, spe		200.51 ^H	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		60.24 ^H	mg/dL	0.00 - 45.00	
TOTAL LIPIDS: SEF by CALCULATED, SPE		778.98 ^H	mg/dL	350.00 - 700.00	
CHOLESTEROL/HI by CALCULATED, SPE	DL RATIO: SERUM	6.23 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0	



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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		3.66 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H	IDL RATIO: SERUM	7.85 ^H	RATIO	3.00 - 5.00

INTERPRETATION:

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

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

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

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

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





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Test Name		Value	Unit	Biological Reference interval
	LIVI	ER FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.91	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.31	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUN CTROPHOTOMETRY	4 0.6	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	30.5	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	39.3	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.78	RATIO	0.00 - 46.00
ALKALINE PHOSPI by PARA NITROPHEN PROPANOL	HATASE: SERUM yl phosphatase by amino methy	134.88^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERU Phtometry	M 46.57	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.94	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.44	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE		3.5	gm/dL	2.30 - 3.50

A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)

1.27





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

RATIO

1.00 - 2.00

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Test Name	Value	Unit	Biological Reference interval

DECREASED:

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

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

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
	KIDNE	Y FUNCTIO	ON TEST (COMPLETE)
UREA: SERUM		39.66	mg/dL	10.00 - 50.00
by UREASE - GLUTAN	NATE DEHYDROGENASE (GLDH)		U U	
CREATININE: SER		1.21	mg/dL	0.40 - 1.40
	ROGEN (BUN): SERUM	18.53	mg/dL	7.0 - 25.0
		15.01		10.0.00.0
BLOOD UREA NITH RATIO: SERUM	ROGEN (BUN)/CREATININE	15.31	RATIO	10.0 - 20.0
	ECTROPHOTOMETRY			
UREA/CREATININ	E RATIO: SERUM ECTROPHOTOMETRY	32.78	RATIO	
URIC ACID: SERUM		9.09 ^H	mg/dL	3.60 - 7.70
by URICASE - OXIDAS			C	
CALCIUM: SERUM	ECTROPHOTOMETRY	10.03	mg/dL	8.50 - 10.60
PHOSPHOROUS: SH	ERUM	3.03	mg/dL	2.30 - 4.70
	DATE, SPECTROPHOTOMETRY			
ELECTROLYTES		141.2	man of /I	125.0 150.0
SODIUM: SERUM by ISE (ION SELECTIV	/E ELECTRODE)	141.2	mmol/L	135.0 - 150.0
POTASSIUM: SERU		4.4	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV CHLORIDE: SERUM		105.9	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV		100.0		00.0 110.0
	MERULAR FILTERATION RATE			
	IERULAR FILTERATION RATE	78.1		
(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.

3. GI haemorrhage.



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COLLECTED BY			REG. NO./LAB NO.	· 04	2411200002		
REFERRED BY			REGISTRATION D		Nov/2024 12		
BARCODE NO.	: A1164529		COLLECTION DAT		Nov/2024 03		
CLIENT CODE.	: KOS DIAGNOSTIC SHA		REPORTING DATE	: 20/	Nov/2024 04	:54PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON I	ROAD, AMBALA CANT'	г				
Test Name		Value	Uni	it	Biologic	al Referenc	e interva
9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (< ⁻	hass (subnormal creatinine tetracycline, glucocortico 20:1) WITH ELEVATED CREA a (BUN rises disproportion superimposed on renal di 10:1) WITH DECREASED BU osis.	ids) TININE LEVELS: ately more than creati sease.	nine) (e.g. obstructive	uropathy).			
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Test Name	N.	alue Unit	Biological Reference interval		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	A CANTT			
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 20/Nov/2024 04:54PM		
BARCODE NO.	: A1164529	COLLECTION DATE	: 20/Nov/2024 03:39PM		
REFERRED BY	:	REGISTRATION DATE	: 20/Nov/2024 12:08 PM		
COLLECTED BY	:	REG. NO./LAB NO.	: 042411200002		
AGE/ GENDER	: 39 YRS/MALE	PATIENT ID	: 1676978		
NAME	: Mr. AMRIT PAL				
	MD (Pathology & Microbi Chairman & Consultant P	ology) MD	MD (Pathology) onsultant Pathologist		
	Dr. Vinay Chopra	Dr. Yugan	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 FR category reported as per KDIGO guideline 2012

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 ***





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