



ಕಾರವಾರ ವೈದ್ಯಕೀಯ ವಿಜ್ಞಾನಗಳ ಸಂಸ್ಥೆ, ಕಾರವಾರ
KARWAR INSTITUTE OF MEDICAL SCIENCES, KARWAR



DEPARTMENT OF BIOCHEMISTRY / ಜೀವ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ

Name: <u>Shruti</u>	OP/IP No: <u>06060</u>	Lab Ref No: <u>24/5897/24</u>
Age: <u>60y</u> Sex: <u>Male/Female</u>	Ward / Unit: <u>Diagnosis</u>	Receipt No.:
Specimen Received:	Ref. Dr.:	Date: <u>10/08/2024</u>

CLINICAL BIOCHEMISTRY REPORT / ಚಿಕಿತ್ಸಾ ಜೀವರಸಾಯನಶಾಸ್ತ್ರ ದ ವರದಿ

Analyte	Measured Value	Reference Interval
Routine Chemistry		75 - 110 mg/dl
Glucose (FBG)		UPTO 140 mg/dl
PPBS	<u>119.4</u>	< 150 mg/dl
RBS		Non-Diabetic (NGSP) - 4-6%
HbA1c (Gly Hb) (Immunoturbidimetry)		Non-Diabetic (NGSP) - 4.6 - 6.2%
HbA1c (Gly Hb) (Nephelometry)		Prediabetic/High risk : 5.7 - 6.4%
		Diabetic adult > 6.5%
		* Good control : <7%
		* Insufficient control : >8%
Blood Urea	<u>136.8</u>	15-40 mg/dl
Creatinine	<u>11.90</u>	0.7- 1.4 mg/dl
Uric Acid (a)	<u>8.4</u>	M : 3.5 - 7.2, : F : 2.6 - 6.0 mg/dl
G.T.T. (Pregnancy)		Up to 92 mg/dL
Fasting		Up to 180 mg/dL
I hr		Up to 153 mg/dL
II hr		
G.T.T. (Routine)		74 - 106 mg/dL
Fasting		120 - 170 mg/dL
I hr		70 - 120mg/dL
II hr		
Electrolytes		
Sodium	<u>135</u>	135 - 145 mEq/L
Potassium	<u>4.3</u>	3.5-5.0 mEq/L
Chloride	<u>107</u>	95 - 108 mEq/L
Bicarbonate		24-28 mEq/L
Lipid Profile		
Total Cholesterol		130-250 mg/dL
Triglycerides		upto 160 mg/dL
HDL		Male : 30 - 55, Female : 46 - 65 mg/dL
LDL		70-165 mg/dL
VLDL		15-40 mg/dL
Liver Profile		
Bilirubin Total	<u>0.54</u>	0.2-1.1 mg/dL
Bilirubin Direct	<u>0.34</u>	UP to 0.3 mg/dL
SGOT	<u>11.0</u>	15 - 37 U/L
SGPT	<u>19.5</u>	30 - 65 U/L
Alkaline Phosphatase	<u>-</u>	Children (3 - 5 yrs) : 104 - 390 IU/L
AP	<u>99.0</u>	Adults : 25 - 147 IU/L
GGT	<u>-</u>	M : 15 - 85 ; F : 5 - 55 U/L
Total Protein	<u>6.03</u>	6.4 - 8.3 g/dL
Albumin	<u>3.54</u>	3.5 - 5.1 g/dL
A : G ratio	<u>1.4</u>	1.0 - 2.3

Cardiac Markers		
CK-NaC		MEN: < 171, WOMEN < 145 U/L
CK-MB		< 25 U/L
LDH		225 - 450 IU/L
Troponin I		<1.0 ng/mL
Troponin T		
LP (a)		
Pancreatic Profile		upto 30 mg/dL
Amylase		
Lipase		35 - 140 U/L
Others		< 38 U/L
Calcium	8.0	
Phosphorous		8.5 - 11.0 mg/dL
Magnesium		2.5 - 5.0 mg/dL
ACP (Total & Prostate Specific)		1.5 - 2.5 mg/dL
CRP		Tot : Upto 9.0 : Pr.Sq: Upto 3.0 U/L
Procalcitonin		Up to 6 mg/L
D-Dimer		
Bone Markers		< 500 ng/mL or 0.5 ug/ml
Calcitonin		
PTH		<11 Pg/mL
Anaemia		10 - 69 pg/mL
Iron		
Ferritin (CLIA)		M: 50-168: F: 35-145 ug/dL
Ferritin (Nephelometry)	405.54	M: 25 - 350 ng/mL, F : 13-232 ng/mL
Ferritin (Immunoturbidimetry)		M: 30-220ng/mL F : 20-110ng/mL M: 15-200 ug/L F: 15-150 ug/L
		New born : 25-200 ug/L : 1 month : 200-600 ug/L 2-5 months : 50-200 ug/L : 6 months - 15 years : 7-140ug/L Adult - > M : 20-250 ug/L : F : 10-129 ug/L
TIBC		
Thyroid Profile		250-425 ug/dL
Total T3		
Total T4		0.69-2.15 ng/mL
TSH		52-127 ng/mL
Neonatal TSH		0.3 - 4.5 uIU/mL
Fertility profile		0.4 - 8.6 uIU/mL
FSH		
		Male : 0.7 - 11.1 mIU/mL
		Female : Midcycle : 5.8-21 mIU/mL
		Follicular phase : 2.8 - 11.3 mIU/mL
		Luteal Phase : 1.2 - 9.0 mIU/mL
		Menopause : 21.7 - 153 mIU/mL
LH		Male : 0.8 - 7.6 mIU/mL
		Female : Midcycle : 17 - 77 mIU/mL
		Follicular phase : 1.1 - 11.6 mIU/mL
		Luteal Phase : ND - 14.7 mIU/mL
		Menopause : 11.3 - 39.8 mIU/mL
Prolactin		M : 2.5 - 17.0 mg/mL, F 1.9 - 25 mg/mL
Arterial Blood Gas Analysis		
pH		7.35-7.45
PaCO ₂		32.0-48.0 mmHg
PaO ₂		83.108 mmHg

NOTE Kindly Correlate Clinically

Signature of Lab Technician
ಪ್ರಯೋಗಾಲಯ ತಜ್ಞರು

Signature of Lab In-Charge
ಪ್ರಯೋಗಾಲಯ ಪ್ರಭಾರಾಧಿಕಾರಿಗಳು

Prof. & HOD of Biochemistry
ಜೀವರಸಾಯಾನಶಾಸ್ತ್ರದ ಪ್ರಾಧ್ಯಾಪಕರು
ಹಾಗೂ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥರು



ಕಾರವಾರ ವೈದ್ಯಕೀಯ ವಿಜ್ಞಾನಗಳ ಸಂಸ್ಥೆ, ಕಾರವಾರ.
Karwar Institute of Medical Sciences, Karwar
 Mahatma Gandhi Road, Karwar, Karnataka - 581301



HEMATOLOGY & CLINICAL PATHOLOGY REPORT

Name of Patient : Shantikant ; Age/Sex : 49/M ; UHID : _____ ; Ward : _____
 Dept/Unit : _____ ; IP/OP No.: 06060 ; Ref. Dr: _____ ; Sample ID : S 2927

COMPLETE BLOOD COUNT

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE VALUE	METHOD
Hb %	8.0	gm/dl	ADULT MALE: 12.3-17; ADULT FEMALE: 9.9-14.3	SLS-Hemoglobin
WBC count	7.700	/cu mm	ADULT MALE: 4.2-9.8; ADULT FEMALE: 4.0-10.4	Flow-cytometry
Neutrophil	64	%	ADULT MALE: 42-74; ADULT FEMALE: 44-75	Diff Scattergram
Lymphocyte	19	%	ADULT MALE: 18-45; ADULT FEMALE: 18-45	Diff Scattergram
Monocyte	08	%	ADULT MALE: 2-10; ADULT FEMALE: 2-9	Diff Scattergram
Eosinophil	08	%	ADULT: 1-8	Diff Scattergram
Basophil	01	%	ADULT MALE: 0-1; ADULT FEMALE: 0-1	Diff Scattergram
Others			%	
Platelet count	2.08	lakh/cu mm	ADULT MALE: 1.3-3.8; ADULT FEMALE: 1.3-4.2	Flow-cytometry
Hematocrit	23.0	%	ADULT MALE: 37-51; ADULT FEMALE: 30-43	RBC pulse height
MCV	82.6	fl	ADULT MALE: 78-97; ADULT FEMALE: 72-96	Calculated
MCH	28.8	pg	ADULT MALE: 26-33; ADULT FEMALE: 23-32	Calculated
MCHC	34.9	g/dl	ADULT MALE: 31-36; ADULT FEMALE: 30-35	Calculated
RDW	15.2	%	ADULT MALE: 11.6-14.4; ADULT FEMALE: 11.7-14.4	RBC scattergram
RBC count	2.78	million/cu mm	ADULT MALE: 4.5-5.5; ADULT FEMALE: 3.5-5.2	Flow-cytometry
ESR	—	mm/1 st Hour	ADULT MALE: 2-22; ADULT FEMALE: 4-55	Westergren
Absolute Eosinophil Count	—	/cu mm	ADULT: 40-440	Diff Scattergram
Blood grouping	B+	Positive		Slide method
Reticulocyte count	—			Microscopy
Bleeding Time	—	min	ADULT: 2-9 minutes	
Clothing Time	—	min	ADULT: 4-11 minutes	

Note : Laboratory Test results are for the information of referring clinician only. The laboratory test results should be interpreted along with relevant clinical details.

Date : 10/8/24.

Tech Sign:

Pathologist Sign: