



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



DEPARTMENT OF BIOCHEMISTRY / ಜೀವ ರಸಾಯನಶಾಸ್ತ್ರ ವಿಭಾಗ

Name : <b>Avinash</b>	OP/IP No. <b>88 55</b>	Lab Ref No. <b>130/76037/24</b>
Age : <b>32 y</b> Sex : <b>Male/Female</b>	Ward / Unit :	Receipt No.:
Specimen Received :	Ref. Dr. :	Date : <b>5/11/24</b>


CLINICAL BIOCHEMISTRY REPORT / ಚಿಕಿತ್ಸಾ ಜೀವರಸಾಯನಶಾಸ್ತ್ರ ದ ವರದಿ


Analyte	Measured Value	Reference Interval
<b>Routine Chemistry</b>		
Glucose (FBS)		75 - 110 mg/dl
PPBS		UPTO 140 mg/dl
RBS	<b>326.5</b>	< 150 mg/dl
HbA 1c(Gly Hb) (Immunoturbidimetry)		Non-Diabetic (NGSP) - 4-6%
HbA 1c(Gly Hb) (Nephelometry)		Non-Diabetic (NGSP) - 4.6 - 6.2%
		Prediabetic/High risk : 5.7 - 6.4%
		Diabetic adult > 6.5%
		* Good control : <7%
		* Insufficient control : >8%
<b>Blood Urea</b>	<b>64.7</b>	15-40 mg/dl
<b>Creatinine</b>	<b>3.48</b>	0.7- 1.4 mg/dl
<b>Uric Acid (a)</b>	<b>9.8</b>	M : 3.5 - 7.2, : F : 2.6 - 6.0 mg/dl
<b>G.T.T. (Pregnancy)</b>		
Fasting		Up to 92 mg/dL
I hr		Up to 180 mg/dL
II hr		Up to 153 mg/dL
<b>G.T.T. (Routine)</b>		
Fasting		74 - 106 mg/dL
I hr		120 - 170 mg/dL
II hr		70 - 120mg/dL
<b>Electrolytes</b>		
Sodium	<b>137</b>	135 - 145 mEq/L
Potassium	<b>4.3</b>	3.5-5.0 mEq/L
Chloride	<b>107</b>	95 - 108 mEq/L
Bicarbonate		24-28 mEq/L
<b>Lipid Profile</b>		
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
<b>Liver Profile</b>		
Bilirubin Total	<b>0.49</b>	0.2-1.1 mg/dL
Bilirubin Direct	<b>0.24</b>	UP to 0.3 mg/dL
SGOT	<b>16.0</b>	15 - 37 U/L
SGPT	<b>17.5</b>	30 - 65 U/L
Alkaline Phosphatase	<b>52</b>	Children (3 - 5 yrs) : 104 - 390 IU/L
		Adults : 25 - 147 IU/L
GGT	<b>-</b>	M : 15 - 85 : F:5 - 55 U/L
Total Protein	<b>6.31</b>	6.4 - 8.3 g/dL
Albumin	<b>3.33</b>	3.5 - 5.1 g/dL
A : G ratio	<b>1.1</b>	1.0 - 2.3



<b>Cardiac Markers</b>		MEN: < 171, WOMEN : < 145 U/L
CK-NaC		< 25 U/L
CK-MB		225 - 450 IU/L
LDH		<1.0 ng/mL
Troponin I		upto 30 mg/dL
Troponin T		35 - 140 U/L
LP (a)		< 38 U/L
<b>Pancreatic Profile</b>		
Amylase		8.5 - 11.0 mg/dL
Lipase		2.5 - 5.0 mg/dL
<b>Others</b>		1.5 - 2.5 mg/dL
Calcium	8.2	Tot : Upto 9.0 : Pr.Sq: Upto 3.0 U/L
Phosphorous		Up to 6 mg/L
Magnesium		< 500 ng/ML or 0.5 ug/ml
ACP (Total & Prostate Specific)		<11 Pg/mL
CRP		10 - 69 pg/mL
Procalcitonin		
D-Dimer		
<b>Bone Markers</b>		
Calcitonin		M: 50-168; F: 35-145 ug/dL
PTH		M: 25 - 350 ng/mL, F : 13-232 ng/mL
Anaemia		M: 30-220ng/mL F : 20-110ng/mL
Iron		M: 15-200 ug/L F : 15-150 ug/L
Ferritin (CLIA)	159.0	New born : 25-200 ug/L : 1 month : 200-600 ug/L
Ferritini (Nephelometry)		2-5 months : 50-200 ug/L : 6 months - 15 years : 7-140ug/L
Ferritin (Immunoturbidimetry)		Adult -> M : 20-250 ug/L : F : 10-129 ug/L
TIBC		250-425 ug/dL
<b>Thyroid Profile</b>		
Total T3		0.69-2.15 ng/mL
Total T4		52-127 ng/mL
TSH		0.3 - 4.5 uIU/mL
Neonatal TSH		0.4 - 8.6 uIU/mL
<b>Fertility profile</b>		
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
<b>Arterial Blood Gas Analysis</b>		
pH		7.35-7.45
PaCO <sub>2</sub>		32.0-48.0 mmHg
PaO <sub>2</sub>		83.108 mmHg

NOTE Kindly Correlate Clinically

  
Signature of Lab Technician  
ಪ್ರಯೋಗಾಲಯ ತಜ್ಞರು

  
Signature of Lab In-Charge  
ಪ್ರಯೋಗಾಲಯ ಪ್ರಭಾರದಾತಕಾರಿಗಳು

Prof. & HOD of Biochemistry  
ಪವರಸಾಯನಶಾಸ್ತ್ರ ದ ಪ್ರಾಧ್ಯಾಪಕರು  
ಪಾಗೂ 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 : Avinash ; Age/Sex : 32/1n ; UHID : \_\_\_\_\_ ; Ward : \_\_\_\_\_  
 Dept/Unit : \_\_\_\_\_ ; IP/OP No.: ೪೪೫ ; Ref. Dr: \_\_\_\_\_ ; Sample ID : 76037

**COMPLETE BLOOD COUNT**

TEST	RESULT	UNIT	BIOLOGICAL REFERENCE VALUE	METHOD
Hb %	8.5	gm/dl	ADULT MALE: 12.3-17; ADULT FEMALE: 9.9-14.3	SLS-Hemoglobin
WBC count	7.800	/cu mm	ADULT MALE: 4.2-9.8; ADULT FEMALE: 4.0-10.4	Flow-cytometry
Neutrophil	71	%	ADULT MALE: 42-74; ADULT FEMALE: 44-75	Diff Scattergram
Lymphocyte	23	%	ADULT MALE: 18-45; ADULT FEMALE: 18-45	Diff Scattergram
Monocyte	04	%	ADULT MALE: 2-10; ADULT FEMALE: 2-9	Diff Scattergram
Eosinophil	02	%	ADULT: 1-8	Diff Scattergram
Basophil	00	%	ADULT MALE: 0-1; ADULT FEMALE: 0-1	Diff Scattergram
Others				%
Platelet count	2.96	lakh/cu mm	ADULT MALE: 1.3-3.8; ADULT FEMALE: 1.3-4.2	Flow-cytometry
Hematocrit	26.3	%	ADULT MALE: 37-51; ADULT FEMALE: 30-43	RBC pulse height
MCV	80.7	fl	ADULT MALE: 78-97; ADULT FEMALE: 72-96	Calculated
MCH	26.1	pg	ADULT MALE: 26-33; ADULT FEMALE: 23-32	Calculated
MCHC	32.3	g/dl	ADULT MALE: 31-36; ADULT FEMALE: 30-35	Calculated
RDW	15.7	%	ADULT MALE: 11.6-14.4; ADULT FEMALE: 11.7-14.4	RBC scattergram
RBC count	3.26	million/cu mm	ADULT MALE: 4.5-5.5; ADULT FEMALE: 3.5-5.2	Flow-cytometry
ESR	—	mm/1 <sup>st</sup> Hour	ADULT MALE: 2-22; ADULT FEMALE: 4-55	Westergren
Absolute Eosinophil Count	—	/cu mm	ADULT: 40-440	Diff Scattergram
Blood grouping	—			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 : 5/11/24

Tech Sign:

Pathologist Sign: