



Name: <b>ANISHA MAHESH CHANDRA</b>	Ward: opd
Lab ID: <b>00000088</b>	Registration on: 10/12/2022 12:13:00
Age & Sex: <b>29 Year   Female</b>	Reported on: 16:07:19
Reference: <b>VELOCITY HOSPITAL</b>	Sample Type: <b>BLOOD &amp; URINE</b>

### CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.1	g/dL	11.0 - 13.7
Total RBC	4.73	mill./cm	4.10 - 6.70
Total WBC	5800	/cmm	4000 - 10000
Platelet Count	157000	/cmm	150000 - 450000
HCT	41.2	%	
MCV	87.1	fL	80.0 - 100.0
MCH	27.7 L	pg	33.0 - 39.0
MCHC	31.8	g/dL	31.5 - 36.0

### DIFFERENTIAL COUNT

Neutrophils	42	%	40-70
Lymphocytes	50 H	%	20-40
Eosinophils	02	%	02 - 05
Monocytes	06	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

### ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	2436	/cumm	2000.0-7000.0
Lymphocytes	2900	/cumm	1000.0-3000.0
Eosinophils	116	/cumm	20 - 500
Monocytes	348	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

### GLR / NLR

(Neutrophil/Lymphocyte Ratio)

0.8

### MENTZER INDEX

18.4

RDW-CV	12.5	%	11.5-14.5
RDW-SD	43.6	fl	31.0-46.0
MPV	9.6	fl	7.00 - 11.00
PCT	0.15	%	0.10-0.30

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PDW

15.6

%

10.0-18.00

PERIPHERAL SMEAR EXAMINATION

RBC Morphology

Normochromic and normocytic.

WBC Morphology

Appear normal, Immature cells are not seen .

Platelets in Smear

Adequate.

Malarial Parasites

Not Detected.

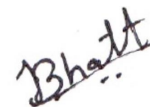
ESR

AFTER 1 HOUR

18

mm/hr

0.0 - 20.0

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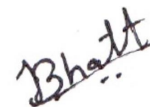
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## BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Blood Group</u>	"O"		
<u>Rh Factor</u>	POSITIVE		



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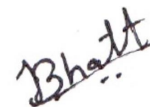
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## BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	79.50	mg/dL	70.00-110.00
Urine Sugar-F	Absent		



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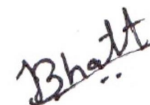
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## HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.12	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	100.2	mg/dL	80.0 - 140.0

### Importance of HbA1c - Glycated Hb. in Diabetes Mellitus

- HbA1c, also known as Glycated Hemoglobin is the most important test for the assessment of long term blood glucose control (also called glycemic control)
- HbA1c reflects mean blood glucose concentration over past 6-8 weeks and provides a much better indication of long term glycemic control than blood glucose determination
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. , this reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy-eye complications, nephropathy-kidney complications and neuropathy-nerve complications, are potentially serious and can lead to blindness, kidney failure etc.
- Glycemic control monitored by HbA1c measurement using HPLC method-(Gold Standard) is considered most important. (Ref. National Glycohemoglobin Standardization Program -NGSP).

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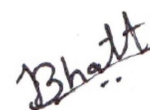
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## LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	206.8	mg/dL	UP TO 220
Triglyceride	78.1	mg/dL	40.0 - 140.0
HDL Cholesterol	62.0	mg/dL	42.0 - 88.0
VLDL	15.62	mg/dL	0.00 - 30.00
LDL Cholesterol	129.18	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	2.08		0 - 3.5
Total Lipid	3.3 L	mg/dl	400.0 - 1000.0
<u>NOTE</u>	609.8		

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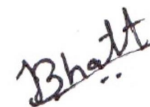
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## RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.78	mg/dL	0.5-1.30
Bl. Urea	20.0	mg/dL	10.0 - 40.0
BUN	9.3	mg/dl	6.0 - 22.0
S.Calcium	8.9	mg/dL	8.8-10.3
Uric Acid	3.95	mg/dL	2.6 - 6.0

### ELECTROLYTES

Sodium (Na+)	140.9	mmol/L	135.0 - 150.0
Potassium (K+)	4.55	mmol/L	3.60 - 5.40
Chloride (Cl-)	101.5	mmol/L	98.0 - 110.0

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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****LIVER FUNCTION TEST**

Test	Observed Value	Unit	Biological Reference Interval
<b>BILIRUBIN</b>			
Total Bilirubin	0.5	mg/dL	0.10 - 1.20
Direct Bilirubin	0.2	mg/dL	0.0-0.4
Indirect Bilirubin	0.30	mg/dL	0.10-0.70
SGPT(ALT)	16.00	U/L	0.0 - 40.0
SGOT (AST)	23.0	U/L	0.00-46.00
Alkaline Phosphatase	68.0	U/L	40-129
<b>PROTEINS</b>			
Total Protein	6.0	g/dL	6.0 - 8.0
Albumin	3.7	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.5 - 4.0
A/G Ratio	1.4		

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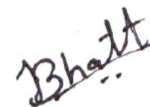


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## URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Pale-Yellow		
Appearance	Sl.Turbid		Clear
pH	6.5		
Specific Gravity	1.025		
Sediments	Absent		Absent
<u>CHEMICAL EXAMINATION</u>			
Protein (Albumin)	Absent		Absent
Sugar	Absent		Absent
Bile Salts	Absent		Absent
Bile Pigment	Absent		Absent
Ketone	Absent		Absent
Nitrite	Absent		Absent
Urobilinogen	Normal		Normal
<u>MICROSCOPIC EXAMINATION</u>			
Pus Cells	2-3	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	25-30	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Present (+)		Absent

--- End of Report ---



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