



Name: <b>RUBI GIRI</b>	Ward: opd
Lab ID: <b>00000221</b>	Registration on: 26/11/2022 09:46:00
Age & Sex: <b>35 Year   Female</b>	Reported on: 16:59:53
Reference: <b>VELOCITY HOSPITAL</b>	Sample Type:

### CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	11.8	g/dL	11.0 - 13.7
Total RBC	3.85 L	mill./cm	4.00 - 5.20
Total WBC	6900	/cmm	4000 - 10000
Platelet Count	241000	/cmm	150000 - 450000
HCT	34.4	%	
MCV	89.4	fL	80.0 - 100.0
MCH	30.6	pg	27.0 - 32.0
MCHC	34.3	g/dL	31.5 - 36.0

### DIFFERENTIAL COUNT

Neutrophils	66	%	40 - 70
Lymphocytes	27	%	20 - 40
Eosinophils	03	%	02 - 05
Monocytes	04	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

### ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	4554	/cumm	2000.0-7000.0
Lymphocytes	1863	/cumm	1000.0-3000.0
Eosinophils	207	/cumm	20 - 500
Monocytes	276	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

### GLR / NLR

(Neutrophil/Lymphocyte Ratio) 2.4

### MENTZER INDEX

23.2

RDW-CV	15.1 H	%	11.1 - 14.1
MPV	11.6 H	fL	7.00 - 11.00

### PERIPHERAL SMEAR EXAMINATION

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RBC Morphology  
WBC Morphology  
Platelets in Smear

Normochromic and normocytic.  
Appear normal, Immature cells are not seen .  
Adequate.

Malarial Parasites

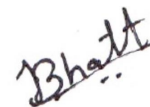
Not Detected.

ESR

AFTER 1 HOUR

34 H mm/hr

0.0 - 20.0



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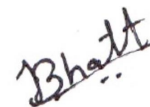




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## BLOOD GROUP

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



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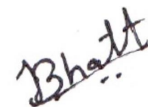




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## BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample <u>FASTING (FBS)</u> Blood Sugar-F	FLOURIDE PLASMA 99.0	mg/dL	70.00-110.00



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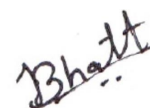
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## HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.8	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	119.8	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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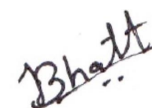


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## LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	165.0	mg/dL	UP TO 220
Triglyceride	174.7 H	mg/dL	40.0 - 140.0
HDL Cholesterol	35.7 L	mg/dL	42.0 - 88.0
VLDL	34.94 H	mg/dL	0.00 - 30.00
LDL Cholesterol	94.36	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	2.64		0 - 3.5
Total Lipid	4.6 L	mg/dl	400.0 - 1000.0



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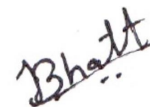


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## RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.94	mg/dL	0.5-1.30
Bl. Urea	12.0	mg/dL	10.0 - 40.0
BUN	11.35	mg/dl	6.0 - 22.0
Uric Acid	4.57	mg/dL	2.6 - 6.0
<b>PROTEINS</b>			
Total Protein	7.75	g/dL	6.0 - 8.0
Albumin	4.33	g/dL	3.50 - 5.50
Globulin	3.4	g/dL	2.5 - 4.0
A/G Ratio	1.3		



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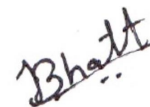


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## LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<b>BILIRUBIN</b>			
Total Bilirubin	0.56	mg/dL	0.10 - 1.20
Direct Bilirubin	0.21	mg/dL	0.0-0.4
Indirect Bilirubin	0.35	mg/dL	0.10-0.70
SGPT(ALT)	22.44	U/L	0.0 - 40.0
SGOT (AST)	19.32	U/L	0.0 - 46.0
Alkaline Phosphatase	85.70	U/L	40-129



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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	7.0		
Specific Gravity	1.030		
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
Occult Blood	Absent		Absent
Nitrite	Absent		Absent
Leukocyte Esterase	Absent		Absent
Urobilinogen	Normal		Normal
<u>MICROSCOPIC EXAMINATION</u>			
Pus Cells	1-2	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	2-4	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

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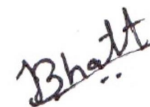
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## THYROID FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
T3 - Triiodothyronine (total tri- iodothyronine)	0.98	µg/dl	0.970-1.69
T4 - Total Thyroxine (total thyroxine)	5.95	µg/dl	5.53-11.0
TSH	4.92 H	mIU/mL	0.40-4.40

--- End of Report ---



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