



Name: <b>JIGNASHA PRAGNESH PATEL</b>	Ward: opd
Lab ID: <b>00000085</b>	Registration on: 10/12/2022 11:01:00
Age & Sex: <b>32 Year   Female</b>	Reported on: 15:29:52
Reference: <b>VELOCITY HOSPITAL</b>	Sample Type: <b>BLOOD &amp; URINE</b>

### CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.4	g/dL	11.0 - 13.7
Total RBC	5.38 H	mill./cm	4.00 - 5.20
Total WBC	8100	/cmm	4000 - 10000
Platelet Count	259000	/cmm	150000 - 450000
HCT	41.5	%	
MCV	77.1 L	fL	80.0 - 100.0
MCH	24.9 L	pg	27.0 - 32.0
MCHC	32.3	g/dL	31.5 - 36.0
<u>DIFFERENTIAL COUNT</u>			
Neutrophils	49	%	40 - 70
Lymphocytes	43 H	%	20 - 40
Eosinophils	02	%	02 - 05
Monocytes	06	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0
<u>ABSOLUTE DIFFERENTIAL COUNT</u>			
Neutrophils	3969	/cumm	2000.0-7000.0
Lymphocytes	3483 H	/cumm	1000.0-3000.0
Eosinophils	162	/cumm	20 - 500
Monocytes	486	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100
<u>GLR / NLR</u> (Neutrophil/Lymphocyte Ratio)	1.1		
<u>MENTZER INDEX</u>			
RDW-CV	11.8	%	11.1 - 14.1
RDW-SD	36.4	fl	31.0-46.0
MPV	6.8 L	fl	7.00 - 11.00
PCT	0.18	%	0.10-0.30

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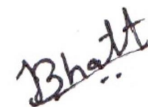
PDW 17.7 % 10.0-18.00

PERIPHERAL SMEAR EXAMINATION

RBC Morphology Microcytosis (+), Anisocytosis (+),  
WBC Morphology Appear normal, Immature cells are not seen .  
Platelets in Smear Adequate.

Malarial Parasites Not Detected.

ESR  
AFTER 1 HOUR 20 mm/hr 0.0 - 20.0



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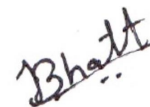




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## BLOOD GROUP

<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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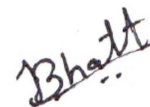




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## BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	79.99	mg/dL	70.00-110.00
Urine Sugar-F	Absent		



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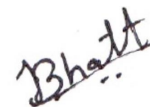
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

## 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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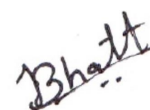
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## LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	206.9	mg/dL	UP TO 220
Triglyceride	80.5	mg/dL	40.0 - 140.0
HDL Cholesterol	57.86	mg/dL	42.0 - 88.0
VLDL	16.10	mg/dL	0.00 - 30.00
LDL Cholesterol	132.94	H mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	2.30		0 - 3.5
Total Lipid	3.6	L mg/dl	400.0 - 1000.0
<u>NOTE</u>	612.5		

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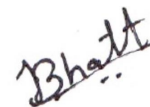
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## RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.74	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	10.3	mg/dL	8.8-10.3
Uric Acid	4.87	mg/dL	2.6 - 6.0

## ELECTROLYTES

Sodium (Na+)	139.3	mmol/L	135.0 - 150.0
Potassium (K+)	3.96	mmol/L	3.60 - 5.40
Chloride (Cl-)	101.5	mmol/L	98.0 - 110.0

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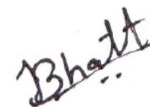
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## LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<b>BILIRUBIN</b>			
Total Bilirubin	0.5	mg/dL	0.10 - 1.20
Direct Bilirubin	0.3	mg/dL	0.0-0.4
Indirect Bilirubin	0.20	mg/dL	0.10-0.70
SGPT(ALT)	16.72	U/L	0.0 - 40.0
SGOT (AST)	23.0	U/L	0.0 - 46.0
Alkaline Phosphatase	65.0	U/L	40-129
<b>PROTEINS</b>			
Total Protein	6.2	g/dL	6.0 - 8.0
Albumin	3.5	g/dL	3.50 - 5.50
Globulin	2.7	g/dL	2.5 - 4.0
A/G Ratio	1.3		

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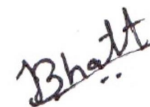


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## URINE ANALYSIS

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	7.0		
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
Occult Blood	Trace		Absent
Nitrite	Absent		Absent
Leukocyte Esterase	Trace		Absent
Urobilinogen	Normal		Normal
<u>MICROSCOPIC EXAMINATION</u>			
Pus Cells	7-8	/hpf	Absent
Red Blood Cells	3-4	/hpf	Absent
Epithelial Cells	8-10	/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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