



Name: MAYANK BABUBHAI PATEL	Ward: opd
Lab ID: 00000087	Registration on: 10/12/2022 11:03:00
Age & Sex: 34 Year Male	Reported on: 15:39:17
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.8	g/dL	13.4 - 16.4
Total RBC	5.49	mill./cm	4.50 - 6.00
Total WBC	6300	/cmm	4000 - 10000
Platelet Count	243000	/cmm	150000 - 450000
HCT	43.7	%	
MCV	79.6 L	fL	80.0 - 100.0
MCH	25.1 L	pg	27.0 - 32.0
MCHC	31.6	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	53	%	40 - 70
Lymphocytes	41 H	%	20 - 40
Eosinophils	02	%	02 - 05
Monocytes	04	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	3339	/cumm	2000.0-7000.0
Lymphocytes	2583	/cumm	1000.0-3000.0
Eosinophils	126	/cumm	20 - 500
Monocytes	252	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

1.3

MENTZER INDEX

14.5

RDW-CV	11.9	%	11.1 - 14.1
RDW-SD	37.9	fl	31.0-46.0
MPV	7.7	fl	7.00 - 11.00
PCT	0.19	%	0.10-0.30

Bhatt

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PDW 17.6 % 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 28 H mm/hr 0.0 - 15.0

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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"		

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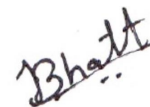




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BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	75.10	mg/dL	70.00-110.00
Urine Sugar-F	Absent		



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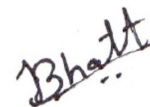
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	6.20	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	131.2	mg/dL	70.0 - 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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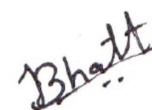
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	215.0	mg/dL	UP TO 220
Triglyceride	74.0	mg/dL	60.0 - 165.0
HDL Cholesterol	37.0	mg/dL	35.0 - 80.0
VLDL	14.80	mg/dL	0.00 - 30.00
LDL Cholesterol	163.20	H mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	4.41	H	0 - 3.5
Total Lipid	5.8	L mg/dl	400.0 - 1000.0
<u>NOTE</u>	624.4		

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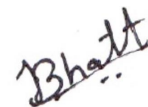
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.91	mg/dL	0.5-1.30
Bl. Urea	18.0	mg/dL	10.0 - 40.0
BUN	8.4	mg/dl	6.0 - 22.0
S.Calcium	9.5	mg/dL	8.8-10.3
Uric Acid	4.86	mg/dL	3.5 - 7.2

ELECTROLYTES

Sodium (Na+)	140.5	mmol/L	135.0 - 150.0
Potassium (K+)	4.31	mmol/L	3.60 - 5.40
Chloride (Cl-)	102.4	mmol/L	98.0 - 110.0

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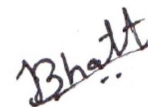
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****LIVER FUNCTION TEST**

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
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)	19.91	U/L	0.0 - 40.0
SGOT (AST)	26.0	U/L	0.0 - 46.0
Alkaline Phosphatase	74.0	U/L	40-129
PROTEINS			
Total Protein	6.5	g/dL	6.0 - 8.0
Albumin	3.9	g/dL	3.50 - 5.50
Globulin	2.6	g/dL	2.5 - 4.0
A/G Ratio	1.5		

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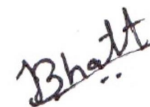


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URINE ANALYSIS

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	1.010		
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	2-3	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

--- End of Report ---



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