



Name: PUJARATI SHUVAJIT PASTA	Ward: OPD
Lab ID: 0000082	Registration on: 10/12/2022 09:24:00
Age & Sex: 28 Year Female	Reported on: 16:24:57
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.6	g/dL	11.0 - 13.7
Total RBC	4.97	mill./cm	4.10 - 6.70
Total WBC	5100	/cmm	4000 - 10000
Platelet Count	247000	/cmm	150000 - 450000
HCT	42.3	%	
MCV	85.1	fL	80.0 - 100.0
MCH	27.4 L	pg	33.0 - 39.0
MCHC	32.2	g/dL	31.5 - 36.0
<u>DIFFERENTIAL COUNT</u>			
Neutrophils	50	%	40-70
Lymphocytes	41 H	%	20-40
Eosinophils	02	%	02 - 05
Monocytes	07	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0
<u>ABSOLUTE DIFFERENTIAL COUNT</u>			
Neutrophils	2550	/cumm	2000.0-7000.0
Lymphocytes	2091	/cumm	1000.0-3000.0
Eosinophils	102	/cumm	20 - 500
Monocytes	357	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100
<u>GLR / NLR</u> (Neutrophil/Lymphocyte Ratio)	1.2		
<u>MENTZER INDEX</u>			
RDW-CV	12.8	%	11.5-14.5
RDW-SD	43.6	fl	31.0-46.0
MPV	8.1	fl	7.00 - 11.00
PCT	0.20	%	0.10-0.30

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PDW 17.5 % 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 20 mm/hr 0.0 - 20.0

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Sample Type: **BLOOD & URINE**

BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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Blood Group

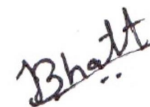
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Rh Factor

NEGATIVE

NOTE

Rh negative test confirmed by DU test .



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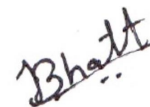
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Reference: **VELOCITY HOSPITAL**

Sample Type: **BLOOD & URINE**

BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	76.51	mg/dL	70.00-110.00
Urine Sugar-F	Absent		



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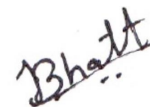
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.43	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	109.1	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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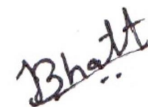
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****LIPID PROFILE**

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	179.2	mg/dL	UP TO 220
Triglyceride	79.6	mg/dL	40.0 - 140.0
HDL Cholesterol	65.77	mg/dL	42.0 - 88.0
VLDL	15.92	mg/dL	0.00 - 30.00
LDL Cholesterol	97.51	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	1.48		0 - 3.5
Total Lipid	2.7 L	mg/dl	400.0 - 1000.0
<u>NOTE</u>	548.7		

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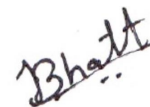
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.80	mg/dL	0.5-1.30
Bl. Urea	15.0	mg/dL	10.0 - 40.0
BUN	7.0	mg/dl	6.0 - 22.0
S.Calcium	9.78	mg/dL	8.8-10.3
Uric Acid	2.63	mg/dL	2.6 - 6.0

ELECTROLYTES

Sodium (Na+)	140.7	mmol/L	135.0 - 150.0
Potassium (K+)	4.18	mmol/L	3.60 - 5.40
Chloride (Cl-)	102.8	mmol/L	98.0 - 110.0

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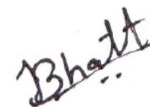
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****LIVER FUNCTION TEST**

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.6	mg/dL	0.10 - 1.20
Direct Bilirubin	0.2	mg/dL	0.0-0.4
Indirect Bilirubin	0.40	mg/dL	0.10-0.70
SGPT(ALT)	19.38	U/L	0.0 - 40.0
SGOT (AST)	26.0	U/L	0.00-46.00
Alkaline Phosphatase	53.0	U/L	40-129
PROTEINS			
Total Protein	6.2	g/dL	6.0 - 8.0
Albumin	4.2	g/dL	3.50 - 5.50
Globulin	2.9	g/dL	2.5 - 4.0
A/G Ratio	1.4		

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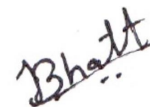
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Colorless		
Appearance	Clear		Clear
pH	6.5		
Specific Gravity	1.005		
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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