



Name: SUMIT DEBNATH	Ward: OPD
Lab ID: 00000103	Registration on: 11/03/2023 10:45:00
Age & Sex: 35 Year Male	Reported on: 16:46:44
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	15.4	g/dL	13.0 - 18.0
Total RBC	5.37	mill./cm	4.50 - 6.00
Total WBC	6300	/cmm	4000 - 10000
Platelet Count	228000	/cmm	150000 - 450000
HCT	47.4	%	40.0 - 50.0
MCV	88.3	fL	80.0 - 100.0
MCH	28.7	pg	27.0 - 32.0
MCHC	32.5	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	70	%	40 - 70
Lymphocytes	25	%	20 - 40
Eosinophils	02	%	02 - 05
Monocytes	03	%	01 - 07

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	4410	/cumm	2000 - 7000
Lymphocytes	1575	/cumm	1000 - 3000
Eosinophils	126	/cumm	20 - 500
Monocytes	189 L	/cumm	200 - 1000

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

2.8

RDW-CV	13.1	%	11.5 - 14.5
MPV	6.8 L	fl	7.00 - 11.00
PCT	0.16	%	0.10 - 0.30
PDW	16.9	%	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.

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Malarial Parasites

NOT DETECTED.

ESR

AFTER 1 HOUR

14

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>	"A"		
<u>Rh Factor</u>	POSITIVE		

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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 213.1 H	mg/dL	70.00-110.00

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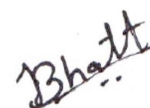
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	13.0 H	%	> 8 : Action Suggested 7-8 : Good Control < 7 : Goal 6-7 : Near Normal Glycemia < 6 : Non-diabetic Level
Mean Blood Glucose	326.4 H	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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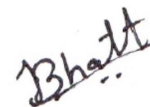
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>BILIRUBIN</u>			
Total Bilirubin	0.5	mg/dL	0.0-1.20
Direct Bilirubin	0.2	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.30	mg/dL	
SGPT(ALT)	35.0	U/L	UP TO 45.00
SGOT (AST)	39.8	U/L	0.0 - 40.0
GAMMA GT	29	IU/L	7 TO 50 IU/L
<u>PROTEINS</u>			
Total Protein	7.8	g/dL	6.0 - 8.0
Albumin	5.1	g/dL	3.50 - 5.50
Globulin	2.7	g/dL	2.5 - 4.0
A/G Ratio	1.9		

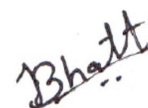
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LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	210.5 H	mg/dL	100 - 199 mg/dl
Triglyceride	194.6 H	mg/dL	0 - 150 : Normal 150 - 199 : Borderline High 200 - 499 : High >= 500 : Very High
HDL Cholesterol	49.1	mg/dL	< 35 : Low (High Risk) >= 60 : High (Low Risk)
VLDL	38.92 H	mg/dL	0.00 - 30.00
LDL Cholesterol	122.48 H	mg/dL	< 100 : Optimal 100 - 129 : Near/Above Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
LDL Chol. / HDL Chol. Ratio	2.49		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	4.29 H		0 - 3.5
Total Lipid	734.7	mg/dl	400.0 - 1000.0



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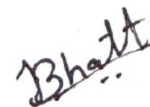
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****RENAL FUNCTION TEST**

Test	Observed Value	Unit	Biological Reference Interval
S. Creatinine	0.95	mg/dL	0.30 - 1.30
Bl. Urea	19.5	mg/dL	10.0 - 40.0
BUN	9.1	mg/dl	6.0 - 22.0
Uric Acid	4.2	mg/dL	3.5 - 7.2
PROTEINS			
Total Protein	7.8	g/dL	6.0 - 8.0
Albumin	5.1	g/dL	3.50 - 5.50
Globulin	2.7	g/dL	2.5 - 4.0
A/G Ratio	1.9		

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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	Clear		
pH	6.0		
Specific Gravity	1.030		
Sediments	Absent		Absent
<u>CHEMICAL EXAMINATION</u>			
Protein (Albumin)	Absent		Absent
Sugar	Present (+++) 1000mg/dl		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	Occasional	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	Absent	/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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