



Name: SWARNIMA DAS	Ward: opd
Lab ID: 00000217	Registration on: 26/11/2022 09:27:00
Age & Sex: 31 Year Female	Reported on: 16:57:54
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD ~ URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	12.3	g/dL	11.0 - 13.7
Total RBC	4.23	mill./cm	4.00 - 5.20
Total WBC	5800	/cmm	4000 - 10000
Platelet Count	174000	/cmm	150000 - 450000
HCT	36.2	%	
MCV	85.6	fL	80.0 - 100.0
MCH	29.1	pg	27.0 - 32.0
MCHC	34.0	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	63	%	40 - 70
Lymphocytes	24	%	20 - 40
Eosinophils	04	%	02 - 05
Monocytes	09 H	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	3654	/cumm	2000.0-7000.0
Lymphocytes	1392	/cumm	1000.0-3000.0
Eosinophils	232	/cumm	20 - 500
Monocytes	522	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio) 2.6

MENTZER INDEX

20.2

RDW-CV	15.4 H	%	11.1 - 14.1
MPV	15.1 H	fL	7.00 - 11.00

PERIPHERAL SMEAR EXAMINATION

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MD. PATHOLOGIST





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RBC Morphology
WBC Morphology
Platelets in Smear

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

Malarial Parasites

Not Detected.

ESR

AFTER 1 HOUR

54 H mm/hr

0.0 - 20.0



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



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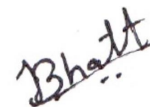
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Sample Type: **BLOOD ~ URINE**

BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	89.0	mg/dL	70.00-110.00
<u>POST PRANDIAL (PPBS)</u>			
Blood Sugar-PP	115.2	mg/dL	110.0 - 140.0



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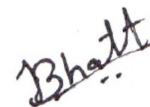
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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.2	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	102.5	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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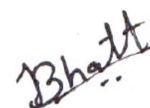
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LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	167.5	mg/dL	UP TO 220
Triglyceride	159.8 H	mg/dL	40.0 - 140.0
HDL Cholesterol	54.1	mg/dL	42.0 - 88.0
VLDL	31.96 H	mg/dL	0.00 - 30.00
LDL Cholesterol	81.44	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	1.51		0 - 3.5
Total Lipid	3.1 L	mg/dl	400.0 - 1000.0

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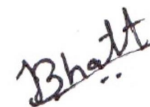
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.83	mg/dL	0.5-1.30
Bl. Urea	12.93	mg/dL	10.0 - 40.0
BUN	10.7	mg/dl	6.0 - 22.0
Uric Acid	3.85	mg/dL	2.6 - 6.0

PROTEINS

Total Protein	8.09	H	g/dL	6.0 - 8.0
Albumin	4.25		g/dL	3.50 - 5.50
Globulin	3.8		g/dL	2.5 - 4.0
A/G Ratio	1.1			

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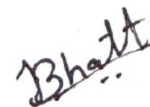
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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.69	mg/dL	0.10 - 1.20
Direct Bilirubin	0.21	mg/dL	0.0-0.4
Indirect Bilirubin	0.48	mg/dL	0.10-0.70
SGPT(ALT)	34.24	U/L	0.0 - 40.0
SGOT (AST)	28.46	U/L	0.0 - 46.0
Alkaline Phosphatase	107.91	H 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	6.5		
Specific Gravity	1.020		
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	2-3	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	6-8	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

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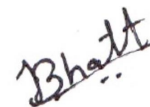
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THYROID FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
T3 - Triiodothyronine (total tri- iodothyronine)	1.24	µg/dl	0.970-1.69
T4 - Total Thyroxine (total thyroxine)	6.78	µg/dl	5.53-11.0
TSH	3.59	mIU/mL	0.40-4.40

--- End of Report ---

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