



Name: NEHA SHARMA	Ward: OPD
Lab ID: 0000087	Registration on: 11/03/2023 08:34:00
Age & Sex: 42 Year Female	Reported on: 15:31:23
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	12.8	g/dL	11.5 - 16.0
Total RBC	4.66	mill./cm	4.00 - 5.20
Total WBC	6300	/cmm	4000 - 10000
Platelet Count	277000	/cmm	150000 - 450000
HCT	40.1	%	37.0 - 47.0
MCV	86.1	fL	80.0 - 100.0
MCH	27.5	pg	27.0 - 32.0
MCHC	31.9	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	70	%	40 - 70
Lymphocytes	26	%	20 - 40
Eosinophils	02	%	02 - 05
Monocytes	02	%	01 - 07

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	4410	/cumm	2000 - 7000
Lymphocytes	1638	/cumm	1000 - 3000
Eosinophils	126	/cumm	20 - 500
Monocytes	126 L	/cumm	200 - 1000

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

2.7

RDW-CV	12.5	%	11.5 - 14.5
MPV	5.5 L	fL	7.00 - 11.00
PCT	0.15	%	0.10 - 0.30
PDW	16.3	%	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

10

mm/hr

0.0 - 20.0

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BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample <u>FASTING (FBS)</u> Blood Sugar-F	FLOURIDE PLASMA 103.46	mg/dL	70.00-110.00

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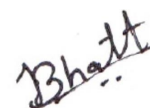
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.8	%	> 8 : Action Suggested 7-8 : Good Control < 7 : Goal 6-7 : Near Normal Glycemia < 6 : 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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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>BILIRUBIN</u>			
Total Bilirubin	0.4	mg/dL	0.0-1.20
Direct Bilirubin	0.2	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.20	mg/dL	
SGPT(ALT)	17.6	U/L	UP TO 45.00
SGOT (AST)	19.5	U/L	0.0 - 40.0
GAMMA GT	25.0	IU/L	7 TO 50 IU/L
<u>PROTEINS</u>			
Total Protein	7.5	g/dL	6.0 - 8.0
Albumin	3.9	g/dL	3.50 - 5.50
Globulin	3.6	g/dL	2.5 - 4.0
A/G Ratio	1.1		

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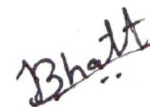
Reported on: 15:31:24

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Sample Type: **BLOOD & URINE**

RENAL FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
S. Creatinine	0.67	mg/dL	0.30 - 1.30
Bl. Urea	25.5	mg/dL	10.0 - 40.0
BUN	11.9	mg/dl	6.0 - 22.0
Uric Acid	4.45	mg/dL	2.4 - 6.0



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LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	157.9	mg/dL	100 - 199 mg/dl
Triglyceride	172.7 H	mg/dL	0 - 150 : Normal 150 - 199 : Borderline High 200 - 499 : High >= 500 : Very High
HDL Cholesterol	47.2	mg/dL	< 35 : Low (High Risk) >= 60 : High (Low Risk)
VLDL	34.54 H	mg/dL	0.00 - 30.00
LDL Cholesterol	76.16	mg/dL	< 100 : Optimal 100 - 129 : Near/Above Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
LDL Chol. / HDL Chol. Ratio	1.61		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	3.35		0 - 3.5
Total Lipid	593.4	mg/dl	400.0 - 1000.0

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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		
pH	6.0		
Specific Gravity	1.030		
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	Absent		Absent
Urobilinogen	Normal		Normal
<u>MICROSCOPIC EXAMINATION</u>			
Pus Cells	4-5	/hpf	Absent
Red Blood Cells	3-5	/hpf	Absent
Epithelial Cells	7-10	/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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