



Name: KINJAL JAYESHKUMAR SUKHARAMWALA	Ward: OPD
Lab ID: 00000083	Registration on: 10/12/2022 09:25:00
Age & Sex: 33 Year Female	Reported on: 15:59:07
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	11.9	g/dL	11.0 - 13.7
Total RBC	5.00	mill./cm	4.00 - 5.20
Total WBC	8800	/cmm	4000 - 10000
Platelet Count	297000	/cmm	150000 - 450000
HCT	37.7	%	
MCV	75.4 L	fL	80.0 - 100.0
MCH	23.8 L	pg	27.0 - 32.0
MCHC	31.6	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	54	%	40 - 70
Lymphocytes	40	%	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	4752	/cumm	2000.0-7000.0
Lymphocytes	3520 H	/cumm	1000.0-3000.0
Eosinophils	176	/cumm	20 - 500
Monocytes	352	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

1.4

MENTZER INDEX

15.1

RDW-CV	12.8	%	11.1 - 14.1
RDW-SD	38.6	fl	31.0-46.0
MPV	8.3	fl	7.00 - 11.00
PCT	0.25	%	0.10-0.30

Bhatt

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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.
<u>Malarial Parasites</u>	Not Detected.

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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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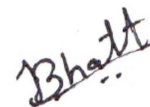




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BLOOD GLUCOSE TEST

<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	76.95	mg/dL	70.00-110.00
Urine Sugar-F	Absent		
<u>POST PRANDIAL (PPBS)</u>			
Blood Sugar-PP	117.03	mg/dL	110.0 - 140.0
Urine Sugar-PP	Absent		



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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	6.1	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	128.4	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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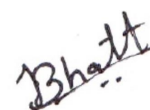
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Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE****LIPID PROFILE**

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	196.4	mg/dL	UP TO 220
Triglyceride	98.0	mg/dL	40.0 - 140.0
HDL Cholesterol	49.8	mg/dL	42.0 - 88.0
VLDL	19.60	mg/dL	0.00 - 30.00
LDL Cholesterol	127.00	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	2.55		0 - 3.5
Total Lipid	3.9 L	mg/dl	400.0 - 1000.0
<u>NOTE</u>	606.1		

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Age & Sex: **33 Year | Female**

Reported on: 15:59:08

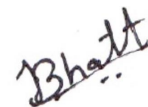
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.72	mg/dL	0.5-1.30
Bl. Urea	16.0	mg/dL	10.0 - 40.0
BUN	7.5	mg/dl	6.0 - 22.0
S.Calcium	8.6 L	mg/dL	8.8-10.3
Uric Acid	4.02	mg/dL	2.6 - 6.0

ELECTROLYTES

Sodium (Na+)	138.2	mmol/L	135.0 - 150.0
Potassium (K+)	4.43	mmol/L	3.60 - 5.40
Chloride (Cl-)	102.3	mmol/L	98.0 - 110.0

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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	0.3	mg/dL	0.0-0.4
Indirect Bilirubin	0.20	mg/dL	0.10-0.70
SGPT(ALT)	22.36	U/L	0.0 - 40.0
SGOT (AST)	29.0	U/L	0.0 - 46.0
Alkaline Phosphatase	73.0	U/L	40-129
PROTEINS			
Total Protein	6.4	g/dL	6.0 - 8.0
Albumin	3.9	g/dL	3.50 - 5.50
Globulin	2.5	g/dL	2.5 - 4.0
A/G Ratio	1.6		

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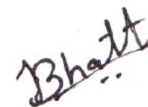


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URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Pale-Yellow		
Appearance	Clear		Clear
pH	6.0		
Specific Gravity	1.025		
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	5-7	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	1-2	/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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