



Name: AAKASH OZA	Ward: OPD
Lab ID: 00000245	Registration on: 30/11/2022 12:15:00
Age & Sex: 34 Year Male	Reported on: 17:01:04
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD ~ URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.0 L	g/dL	13.4 - 16.4
Total RBC	6.29 H	mill./cm	4.50 - 6.00
Total WBC	7200	/cmm	4000 - 10000
Platelet Count	376000	/cmm	150000 - 450000
HCT	42.1	%	
MCV	66.9 L	fL	80.0 - 100.0
MCH	20.7 L	pg	27.0 - 32.0
MCHC	30.9 L	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	50	%	40 - 70
Lymphocytes	38	%	20 - 40
Eosinophils	05	%	02 - 05
Monocytes	07	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	3600	/cumm	2000.0-7000.0
Lymphocytes	2736	/cumm	1000.0-3000.0
Eosinophils	360	/cumm	20 - 500
Monocytes	504	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

1.3

MENTZER INDEX

10.6

RDW-CV	13.2	%	11.1 - 14.1
RDW-SD	35.3	fl	31.0-46.0
MPV	7.0	fl	7.00 - 11.00
PCT	0.26	%	0.10-0.30

Bhatt

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PDW

17.2

%

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.

Note

Hb electrophoresis is advised to rule out thalassemia as Mentzer index is <13. (low HB, high RBC count and low MCV) .

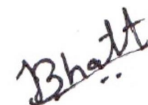
ESR

AFTER 1 HOUR

40 H

mm/hr

0.0 - 15.0



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BLOOD GROUP

Test	Observed Value	Unit	Biological Reference Interval
<u>Blood Group</u>	"B"		
Rh Factor	POSITIVE		

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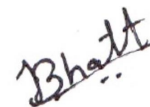
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Sample Type: **BLOOD ~ URINE**

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	99.24	mg/dL	70.00-110.00
Urine Sugar-F	Absent		
Urine Sugar-R	Absent		



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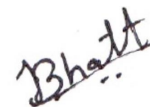
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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	6.26 H	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	133.0	mg/dL	70.0 - 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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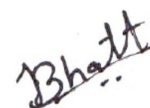
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LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	160.4	mg/dL	UP TO 220
Triglyceride	212.4 H	mg/dL	60.0 - 165.0
HDL Cholesterol	34.41 L	mg/dL	35.0 - 80.0
VLDL	42.48 H	mg/dL	0.00 - 30.00
LDL Cholesterol	83.51	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	2.43		0 - 3.5
Total Lipid	4.7 L	mg/dl	400.0 - 1000.0

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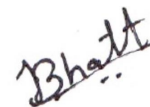
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.89	mg/dL	0.5-1.30
Bl. Urea	20.0	mg/dL	10.0 - 40.0
BUN	9.3	mg/dl	6.0 - 22.0
S.Calcium	9.31	mg/dL	8.8-10.3
Uric Acid	5.26	mg/dL	3.5 - 7.2

ELECTROLYTES

Sodium (Na+)	140.7	mmol/L	135.0 - 150.0
Potassium (K+)	4.25	mmol/L	3.60 - 5.40
Chloride (Cl-)	102.8	mmol/L	98.0 - 110.0

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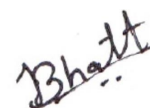
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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.5	mg/dL	0.10 - 1.20
Direct Bilirubin	0.2	mg/dL	0.0-0.4
Indirect Bilirubin	0.30	mg/dL	0.10-0.70
SGPT(ALT)	31.63	U/L	0.0 - 40.0
SGOT (AST)	36.00	U/L	0.0 - 46.0
Alkaline Phosphatase	53.0	U/L	40-129
PROTEINS			
Total Protein	6.8	g/dL	6.0 - 8.0
Albumin	3.7	g/dL	3.50 - 5.50
Globulin	3.1	g/dL	2.5 - 4.0
A/G Ratio	1.2		

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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	6.5		
Specific Gravity	1.015		
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	Absent	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

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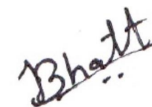
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STOOL EXAMINATION

Test	Observed Value	Unit
<u>PHYSICAL EXAMINATION</u>		
Consistency	Semi Solid	
Colour	Yellowish	
Mucus	Absent	Absent
Blood	Absent	Absent
<u>CHEMICAL TEST</u>		
Occult Blood	Absent	Absent
Reducing Substance	Absent	
pH	7.0	
<u>MICROSCOPIC EXAMINATION / HPF</u>		
Ova	Not seen	Absent
Cysts	Not seen	Absent
Trophozoites	Not seen	Absent
Larva	Not seen	Absent
Pus cells	Absent	Absent
Red cells	Absent	Absent
Macrophages	Absent	Absent
Epithelial Cells	Absent	
Vegetable Fibre	Absent	Absent
Muscle fibres	Absent	Absent
Fat globules	Absent	Absent
Yeast	Absent	Absent
Pus	Absent	
Parasites	Absent	

--- End of Report ---

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