



Name: BINOD KUMAR PANDEY	Ward: OPD
Lab ID: 00000222	Registration on: 26/01/2023 09:24:00
Age & Sex: 34 Year Male	Reported on: 17:07:51
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD ~ URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.3 L	g/dL	13.5 - 17.5
Total RBC	4.73	mill./cm	4.50 - 5.90
Total WBC	6100	/cmm	4000 - 11000
Platelet Count	112000 L	/cmm	150000 - 450000
HCT	42.0	%	36.0 - 48.0
MCV	88.8	fL	80.0 - 100.0
MCH	28.1	pg	27.0 - 32.0
MCHC	31.7	g/dL	31.5 - 36.0
<u>DIFFERENTIAL COUNT</u>			
Neutrophils	67	%	40 - 70
Lymphocytes	26	%	20 - 40
Eosinophils	03	%	02-05
Monocytes	04	%	01-07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0
<u>ABSOLUTE DIFFERENTIAL COUNT</u>			
Neutrophils	4087	/cumm	2000 - 7000
Lymphocytes	1586	/cumm	1000 - 3000
Eosinophils	183	/cumm	20 - 500
Monocytes	244	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100
<u>GLR / NLR</u> (Neutrophil/Lymphocyte Ratio)	2.6		
<u>MENTZER INDEX</u>			
RDW-CV	13.9	%	11.1 - 14.1
MPV	11.8 H	fL	7.00 - 11.00
PCT	0.13	%	0.10-0.30
PDW	15.7	%	10.0-18.00

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PERIPHERAL SMEAR EXAMINATION

RBC Morphology
WBC Morphology
Platelets in Smear

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

Malarial Parasites


Not Detected.

ESR

AFTER 1 HOUR

26 H mm/hr

0.0 - 15.0



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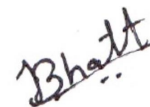




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BLOOD GROUP

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



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BLOOD GLUCOSE TEST

Test	Unit
Sample <u>FASTING (FBS)</u> Blood Sugar-F	FLOURIDE PLASMA 92.7 mg/dL 70.00-110.00

Bhatt

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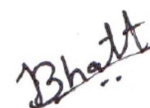
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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.9	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	122.6	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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LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		0.0 - 0.0
Cholesterol	225.2 H	mg/dL	<200 Desirable 200-239 Borderline >240 Hig
Triglyceride	200.3 H	mg/dL	< 150 Normal 150 - 199 Borderline High 200 - 499 High >=500 Very High
HDL Cholesterol	43.5	mg/dL	40-60
VLDL	40.06 H	mg/dL	10-40
LDL Cholesterol	141.64 H	mg/dL	<100 Optimal 100-129 Near optimal/above optimal 130-159 Borderline High 160-189 High >190 Very high
Cholesterol / HDL Chol. Ratio	3.26		0 - 4.1
Total Lipid	5.2 L	mg/dl	400.0 - 1000.0

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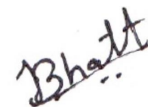
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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	0.89	mg/dL	0.5-1.30
Bl. Urea	18.5	mg/dL	10.0 - 50.0
BUN	8.6	mg/dl	6.0 - 22.0
S.Calcium	9.5	mg/dL	
Uric Acid	3.9	mg/dL	3.5 - 7.2
PROTEINS			
Total Protein	7.0	g/dL	6.0 - 8.0
Albumin	4.2	g/dL	3.50 - 5.50
Globulin	2.8	g/dL	2.0 - 4.0
A/G Ratio	1.5		

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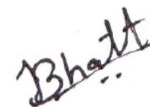
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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.4	mg/dL	0.00 - 1.20
Direct Bilirubin	0.1	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.30	mg/dL	0.20 - 1.00
SGPT(ALT)	45.9 H	U/L	0.0 - 40.0
SGOT (AST)	50.2 H	U/L	0.0 - 46.0
Alkaline Phosphatase	64.0	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	Clear		Clear
pH	6.0		
Specific Gravity	1.000		
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	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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