



Name: CHANDER KRISHANKUMAR NARULA	Ward: OPD
Lab ID: 00000216	Registration on: 24/12/2022 08:34:00
Age & Sex: 33 Year Male	Reported on: 15:43:10
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	15.5	g/dL	13.4 - 16.4
Total RBC	5.34	mill./cm	4.50 - 6.00
Total WBC	6400	/cmm	4000 - 10000
Platelet Count	236000	/cmm	150000 - 450000
HCT	47.4	%	
MCV	88.8	fL	80.0 - 100.0
MCH	29.0	pg	27.0 - 32.0
MCHC	32.7	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	71	H	%	40 - 70
Lymphocytes	24		%	20 - 40
Eosinophils	03		%	02-05
Monocytes	02		%	01-07
Basophils	00		%	00 - 02
Band Cells	00		%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	4544		/cumm	2000.0-7000.0
Lymphocytes	1536		/cumm	1000.0-3000.0
Eosinophils	192		/cumm	20 - 500
Monocytes	128	L	/cumm	200 - 1000
Basophils	0		/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

3.0

MENTZER INDEX

16.6

RDW-CV	13.1	%	11.1 - 14.1
MPV	9.2	fL	7.00 - 11.00
PCT	0.22	%	0.10-0.30
PDW	16.6	%	10.0-18.00

Bhatt

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MD. PATHOLOGIST





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PERIPHERAL SMEAR EXAMINATION

RBC Morphology
WBC Morphology
Platelets in Smear

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

Malarial Parasites

Not Detected.

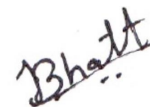
ESR

AFTER 1 HOUR

07

mm/hr

0.0 - 15.0



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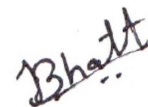




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BLOOD GROUP

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



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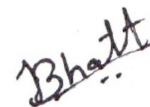




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BLOOD GLUCOSE TEST

<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	86.8	mg/dL	70.00-110.00
Urine Sugar-F	Absent		



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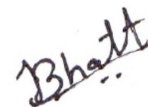
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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.3	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	105.4	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		
Cholesterol	160.1	mg/dL	UP TO 220
Triglyceride	63.7	mg/dL	60.0 - 165.0
HDL Cholesterol	55.0	mg/dL	35.0 - 80.0
VLDL	12.74	mg/dL	0.00 - 30.00
LDL Cholesterol	92.36	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	1.68		0 - 3.5
Total Lipid	2.9 L	mg/dl	400.0 - 1000.0

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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	1.2	mg/dL	0.5-1.30
Bl. Urea	18.0	mg/dL	10.0 - 40.0
BUN	8.4	mg/dl	6.0 - 22.0
S.Calcium	8.9	mg/dL	8.8-10.3
Uric Acid	4.5	mg/dL	3.5 - 7.2

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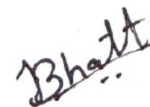
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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.9	mg/dL	0.10 - 1.20
Direct Bilirubin	0.4	mg/dL	0.0-0.4
Indirect Bilirubin	0.50	mg/dL	0.10-0.70
SGPT(ALT)	76.4 H	U/L	0.0 - 40.0
SGOT (AST)	60.6 H	U/L	0.0 - 46.0
Alkaline Phosphatase	85.0	U/L	40-129
PROTEINS			
Total Protein	7.2	g/dL	6.0 - 8.0
Albumin	4.2	g/dL	3.50 - 5.50
Globulin	3.0	g/dL	2.5 - 4.0
A/G Ratio	1.4		

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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	1.025		
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	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	10-12	/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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