



Name: KRISHNA KUMAR RATH	Ward: OPD
Lab ID: 00000277	Registration on: 30/03/2023 08:59:00
Age & Sex: 56 Year Male	Reported on: 12:35:48
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

MEDIWHEEL ABOVE 40

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	17.3	g/dL	13.5 - 17.5
Total RBC	6.27 H	mill./cm	4.50 - 5.90
Total WBC	7700	/cmm	4000 - 11000
Platelet Count	217000	/cmm	150000 - 450000
HCT	52.4 H	%	36.0 - 48.0
MCV	83.6	fL	80.0 - 100.0
MCH	27.6	pg	27.0 - 32.0
MCHC	33.0	g/dL	31.5 - 36.0
DIFFERENTIAL COUNT			
Neutrophils	54	%	40 - 70
Lymphocytes	38	%	20 - 40
Eosinophils	04	%	02-05
Monocytes	04	%	01-07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0
ABSOLUTE DIFFERENTIAL COUNT			
Neutrophils	4158	/cumm	2000 - 7000
Lymphocytes	2926	/cumm	1000 - 3000
Eosinophils	308	/cumm	20 - 500
Monocytes	308	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100
GLR / NLR (Neutrophil/Lymphocyte Ratio)	1.4		
MENTZER INDEX			
RDW-CV	12.2	%	11.1 - 14.1
RDW-SD	40.8	fL	
MPV	6.4	fL	
PCT	0.14	%	

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PDW 18.4 %

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.
ESR AFTER 1 HOUR 14 1.0 - 15.0

Blood Group "B"
Rh Factor POSITIVE

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BLOOD GLUCOSE TEST

Test	Observed Value	Unit	Biological Reference Interval
Sample <u>FASTING (FBS)</u> Blood Sugar-F	FLOURIDE PLASMA 120.1 H	mg/dL	70.00-110.00

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HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	10.5 H	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	254.7 H	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	116.7	mg/dL	<200 Desirable 200-29 Borderline >240 High
Triglyceride	240.3 H	mg/dL	<150 Normal 150-199 Borderline 200-499 High >=500 Very High
HDL Cholesterol	30.5 L	mg/dL	40-60
VLDL	48.06 H	mg/dL	0.00 - 30.00
LDL Cholesterol	38.14	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
LDL Chol. / HDL Chol. Ratio	1.25		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	3.8 H		0 - 3.5
Total Lipid	567.5	mg/dl	400.0 - 1000.0

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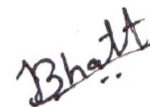
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LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.4	mg/dL	0.00 - 1.20
Direct Bilirubin	0.2	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.20	mg/dL	0.00 - 1.00
SGPT(ALT)	19.7	U/L	0.0 - 40.0
SGOT (AST)	25.7	U/L	0.0 - 46.0
Alkaline Phosphatase	221.0	U/L	80.0 - 306.0
PROTEINS			
Total Protein	7.1	g/dL	6.0 - 8.0
Albumin	4.6	g/dL	3.50 - 5.50
Globulin	2.5	g/dL	2.0 - 4.0
A/G Ratio	1.8		

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RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	1.07	mg/dL	0.5-1.30
Bl. Urea	27.0	mg/dL	10.0 - 40.0
BUN	12.6	mg/dl	6.0 - 22.0
Uric Acid	7.9 H	mg/dL	3.5 - 7.2

PROTEINS

Total Protein	7.1	g/dL	6.0 - 8.0
Albumin	4.6	g/dL	3.50 - 5.50
Globulin	2.5	g/dL	2.0 - 4.0
A/G Ratio	1.8		

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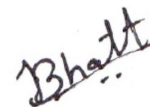
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URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Pale-Yellow		
Appearance	Sl.Turbid		Clear
pH	6.0		
Specific Gravity	1.010		
Sediments	Absent		Absent
<u>CHEMICAL EXAMINATION</u>			
Protein (Albumin)	Absent		Absent
Sugar	Present (++)	500mg/dl	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	2-3	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	2-3		Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

--- End of Report ---

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