

Patient Name : MRS. ROSY BADHAI

Age / Gender : 27 years / Female

Patient ID : 9515

Referral : SELF

Collection Time : Feb 28, 2022, 10:10 a.m.

Reporting Time : Feb 28, 2022, 10:52 a.m.

Sample ID :



221519

Test Description	Value(s)	Unit(s)	Reference Range
<b>COMPLETE BLOOD COUNT(CBC)</b>			
<b>BLOOD COUNTS</b>			
Hemoglobin (Hb)	12.1	g/dL	11.0 - 16.0
RED BLOOD CELL COUNT	4.8	mil/ $\mu$ L	4.5 - 5.5
WHITE BLOOD CELL COUNT	6.1	thou/ $\mu$ L	4.0 - 10.0
PLATELET COUNT	302	thou/ $\mu$ L	150 - 410
<b>RBC AND PLATELET INDICES</b>			
HEMATOCRIT	38.3	%	37 - 50
MEAN CORPUSCULAR VOLUME (MCV)	79	fL	76 - 96
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	<b>25</b>	pg	27 - 32
MCHC	32	g/dL	30 - 35
MEAN PLATELET VOLUM (MPV)	<b>9.6</b>	fL	6.0 - 9.5
RDW-SD	40.8	fL	37 - 54
RDW-CV	<b>14.1</b>	%	11.5 - 14.0
PCT	0.29	%	0.17 - 0.40
<b>WBC DIFFERENTIAL COUNT</b>			
Neutrophils	54	%	40 - 75
Absolute Neutrophil Count	3.33	thou/ $\mu$ L	2.0 - 7.0
Lymphocytes	39	%	20 - 45
Absolute Lymphocyte Count	2.41	thou/ $\mu$ L	1.5 - 4.0
Eosinophils	05	%	1 - 6
Absolute Eosinophil Count	0.28	thou/ $\mu$ L	0.04 - 0.40
Monocytes	02	%	02 - 10
Absolute Monocyte Count	<b>0.1</b>	thou/ $\mu$ L	0.20 - 0.80
Basophils	0	%	00 - 01
Absolute Basophils Count	0.0	thou/ $\mu$ L	0.01 - 0.10
IG%	0.2	%	0.00 - 0.5

\*\*END OF REPORT\*\*

*Bankim Behari Mohanty*  
**Dr. BANKIM BEHARI MOHANTY**  
 MD, PATHOLOGY

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Test Description	Value(s)	Unit(s)	Reference Range
<b>ESR ( 1 hr )</b>			
<b>ESR ( Erythrocyte Sedimentation Rate )</b>	10	mm/hr	< 20
<b>(EDTA Whole Blood) [ Capillary Photometry ]</b>			

**Interpretation:**

High ESR is not diagnostics of any disease but just indicative of some inflammatory process. ESR is to be used to monitor outcome of therapy. Microcytic anemia can increase ESR. High ESR can also be seen in apparently healthy adults.

\*\*END OF REPORT\*\*

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Test Description	Value(s)	Unit(s)	Reference Range
<b>BLOOD GROUPING &amp; RH TYPING</b>			
Blood Group (ABO typing) [ Manual-Hemagglutination ]	"O"		
RhD Factor (Rh Typing) [ Manual hemagglutination ]	Positive		

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Test Description	Value(s)	Unit(s)	Reference Range
<b><u>Routine Examination Of Urine</u></b>			
<b><u>General Examination</u></b>			
Colour	PALE YELLOW		Pale Yellow
Transparency (Appearance)	Hazy		Clear
Deposit	Present		Absent
Reaction (pH)	Acidic 6.0		4.5 - 7.0
Specific gravity	1.010		1.005 - 1.030
<b><u>Chemical Examination</u></b>			
Urine Protein (Albumin)	TRACE		Absent
Urine Glucose (Sugar)	NIL		Absent
<b><u>Microscopic Examination</u></b>			
Red blood cells	NIL	/hpf	1 - 2
Pus cells (WBCs)	15 - 20 /HPF	/hpf	1 - 2
Epithelial cells	30 - 40 /HPF	/hpf	0-4
Crystals	Absent		Absent
Cast	Absent		Absent
Bacteria	Present(+)		Absent
Yeast cells	Absent		Absent
<b>Others</b>	Nil		

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Test Description	Value(s)	Unit(s)	Reference Range
<b>BLOOD GLUCOSE - RBS</b>			
Glucose Random (Plasma) [ Hexokinase ]	87.0	mg/dL	70-140

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Test Description	Value(s)	Unit(s)	Reference Range
<b><u>LIPID PROFILE.</u></b>			
Cholesterol-Total [ CHOD-POD ]	152	mg/dL	Desirable level   < 200 Borderline High   200-239 High   >or = 240
Triglycerides [ : GOD-POD METHOD ]	100	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
HDL Cholesterol [ Serum, Direct measure-PEG ]	57.8	mg/dL	< 40 Low >/=60 High
LDL Cholesterol [ Enzymatic selective protection ]	74.20	mg/dL	< 100 Optimal 100 - 129 Near or above optimal 130 - 159 Borderline High 160 - 189 High >/= 190 Very High
Non HDL Cholesterol	94.2	mg/dL	Optimal : <130 Desirable : 130 - 150 Border Line High : 159 - 189 High : 189 - 220 Very High : >=220
CHOL/HDL Ratio [ CALCULATED PARAMETER ]	<b>2.63</b>		3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk > 11.0 High Risk
LDL/HDL Ratio [ CALCULATED PARAMETER ]	1.28		0.5 - 3.0 Desirable/Low Risk 3.1 - 6.0 Borderline/Moderate Risk >6.0 High Risk
VERY LOW DENSITY LIPOPROTEIN [ Serum, Enzymatic ]	20	mg/dL	< 20

\*\*END OF REPORT\*\*

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Test Description	Value(s)	Unit(s)	Reference Range
<b>LIVER FUNCTION TEST (LFT)</b>			
Bilirubin - Total [ Serum, Jendrassik Grof ]	0.43	mg/dL	0.3 - 1.2
Bilirubin - Direct [ Serum, Diazotization ]	0.12	mg/dL	< 0.2
Bilirubin - Indirect [ Serum, Calculated ]	0.31	mg/dL	0.1 - 1.0
SGOT [ Serum, UV with P5P, IFCC 37 degree ]	26.3	U/L	< 35
SGPT [ Serum, UV with P5P, IFCC 37 degree ]	19.8	U/L	< 50
Alkaline Phosphatase [ PNPP-AMP Buffer/Kinetic ]	58.0	U/L	30 - 120
Total Protein [ Serum, Biuret, reagent blank end point ]	8.2	g/dL	6.6 - 8.3
Albumin [ Serum, Bromocresol green ]	4.9	g/dL	3.2 - 4.6
Globulin [ Serum, EIA ]	3.30	g/dL	1.8 - 3.6
A/G Ratio [ Serum, EIA ]	1.48		1.2 - 2.2
Gamma GT(GGT)	15	U/L	<55

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Test Description	Value(s)	Unit(s)	Reference Range
<b>RENAL FUNCTION TEST (RFT)</b>			
Urea [ Uricase ]	16.3	mg/dL	17 - 43
Blood Urea Nitrogen-BUN [ Serum, Urease ]	7.62	mg/dL	7 - 18
Creatinine [ Serum, Jaffe ]	0.57	mg/dL	0.57 - 1.11
Uric Acid [ Serum, Uricase ]	3.4	mg/dL	2.6 - 6.0
Sodium	141.2	mmol/L	136 - 149 Premature, cord: 116-140 Premature 48 hrs: 128-148 Newborn cord: 126-166 Newborn: 133-146
Potassium	3.89	mmol/L	3.8 - 5.0 ?Premature cord: 5-10.2 Premature , 48 hrs: 3-6 Newborn cord: 5.6-12 Newborn: 3.7-5.9
Chlorides	105.2	mmol/L	101.00 - 109.00

**Remark:**

In blood, Urea is usually reported as BUN and expressed in mg/dl. BUN mass units can be converted to urea mass units by multiplying by 2.14.

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Test Description	Value(s)	Unit(s)	Reference Range
<b>HbA1C</b>			
<b>HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD [ (HPLC, NGSP certified) ]</b>	5.5	%	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0
MEAN PLASMA GLUCOSE [ HB VARIANT (HPLC) ]	111.0		< 116.0

**Note:**

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c. Converse is true for a diabetic previously under good control but now poorly controlled .
2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

**Comments**

HbA1c provides an index of average blood glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

**ADA criteria for correlation between HbA1c & Mean plasma glucose levels.**

HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126
7	154
8	183
9	212
10	240
11	269
12	298

**Interpretation**

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5

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Test Description	Value(s)	Unit(s)	Reference Range
Therapeutic goals for glycemc control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5		

**\*\*END OF REPORT\*\***

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### X-RAY CHEST PA / AP VIEW

## RADIOGRAPH CHEST ( PA VIEW )

Mediastinum is central in position and width.  
Cardiac silhouette appears normal in shape, size and position.  
Lung fields are clear.  
Both Hila are normal in position and density.  
Domes of Diaphragm appear normal in position and contour bilaterally.  
Both CP Angles appear clear.

### IMPRESSION :

*Normal Radiograph.*

\*\*END OF REPORT\*\*

DR. BISWAJIT MISHRA, MD, RADIODIAGNOSIS