

Patient Name : **MRS. RUKMIN DESHMUKH**  
Patient ID : 49551  
Age / Sex : 31 years / Female  
Referred by : MEDIWHEEL  
Bill ID : 80489

Collected : May 06, 2023, 10:45 a.m.  
Reported : May 06, 2023, 03:35 p.m.  
Sample ID :



Test Description	Results	Units	Biological Reference Range
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**ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)**

Sample Type : Serum

<b>Ultrasensitive Thyroid Stimulative Hormone (TSH)</b> [ CLIA ]	2.40	μIU/mL	0.3- 4.5 1st trimester - 0.1 - 2.5μIU/mL 2nd trimester - 0.2 - 3μIU/mL 3rd trimester - 0.3 - 3μIU/mL
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**Clinical Significance :-**

1. Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night.
2. Useful for: Screening for thyroid dysfunction and detecting mild (subclinical), as well as overt, primary hypo- or hyperthyroidism in ambulatory patients.
3. Monitoring patients on thyroid replacement therapy.
4. Confirmation of thyroid-stimulating hormone (TSH) suppression in thyroid cancer patients on thyroxine suppression therapy.
5. Prediction of thyrotropin-releasing hormone-stimulated TSH response.

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



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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Test Description	Results	Units	Biological Reference Range
<b><u>FASTING BLOOD SUGAR</u></b>			
Sample Type : Flouride R			
Fasting Blood Sugar [ GOD - POD ]	88.2	mg/dl	Normal : 70 - 99 mg/dl impaired Tolerance : 100 - 125mg/dl Diabetes Mellitus : >126 mg/dl
Technique :-	Fully Automated Biochemistry Analyser ERBA EM-200		

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



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**POST PRANDIAL BLOOD SUGAR**

Sample Type : Flouride PP

Post Prandial Blood Sugar [ GOD - POD ]	119.8	mg/dl	110-180
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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



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**BLOOD GROUP**

Sample Type : EDTA / Whole Blood

ABO Grouping

"A"

Rh Grouping

POSITIVE

**Note:**

These report is for information purpose only. Blood group needs to be reconfirmed at the time of cross matching for blood transfusion.

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

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**LIPID PROFILE**

Sample Type : Serum

TOTAL CHOLESTEROL [ CHOD-PAP ]	197.2	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
TRIGLYCERIDES [ Glycerol Phosphate Oxidase ]	72.7	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
HDL CHOLESTEROL [ Direct ]	40	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
LDL CHOLESTEROL [ Calculated ]	<b>142.66</b>	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
VLDL Cholesterol [ Calculated ]	14.54	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
Total Chol / HDL Chol Ratio [ Calculated ]	<b>4.93</b>	mg/dL	Desirable : <5 %
LDL / HDL Ratio [ Calculated ]	<b>3.57</b>		1.00 - 3.55
NON-HDL CHOLESTEROL [ Calculated ]	<b>157.20</b>	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl

**Technique:**

Fully Automated Biochemistry Analyser ERBA EM-200.

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

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Test Description	Results	Units	Biological Reference Range
<b><u>GLYCOCYLATED HAEMOGLOBIN</u></b>			
Sample Type : EDTA / Whole Blood			
Glycocyalted Haemoglobin (HbA1c) [ Tosoh HPLC ]	6.0	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	125.50	mg/dL	116.89 - 154.2

\*\*END OF REPORT\*\*



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### URINE ANALYSE REPORT

Sample Type : Urine

#### PHYSICAL EXAMINATION

COLOUR	Dark Yellow		
APPEARANCE	<b>Slightly Hazy</b>		
REACTION (PH)	6.0		5.0-7.5
SPECIFIC GRAVITY	1.020		1.010 - 1.030
ALBUMIN	<b>Present (Trace)</b>		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	<b>Positive</b>		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	<b>Present (+)</b>		
NITRITE	Absent		
UROBILINOGEN	Negative		

#### MICROSCOPY

PUS CELLS/hpf	<b>4-6</b>
RBCs/hpf	Absent
EPI.CELLS/hpf	<b>2-4</b>
CASTS	Absent
CRYSTALS	Absent
BACTERIA	Absent
Other	Absent

\*\*END OF REPORT\*\*



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**LIVER FUNCTION TEST**

Sample Type : Serum

TOTAL BILIRUBIN [ DIAZO ]	0.74	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [ DIAZO ]	0.31	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [ CALCULATED ]	0.43	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [ IFCC without Pyridoxal Phosphate ]	27	IU/L	5-40 IU/L
S.G.P.T.(ALT) [ IFCC without Pyridoxal Phosphate ]	25.5	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [ Amino Methyl Propanol (AMP) ]	58	IU/L	44-147 IU/L
TOTAL PROTEINS [ BIURET ]	7.0	IU/L	6.0 - 8.5 g/dL
ALBUMIN [ BROMO CRESOL GREEN (BCG) ]	4.02	g/dl	3.5-5.0 g/dl
GLOBULIN [ CALCULATED ]	2.98	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [ CALCULATED ]	1.35		
GAMMA GT	23.20	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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

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**SR. URIC ACID**

Sample Type : Serum

<b>Uric Acid</b> [ Uricase - POD ]	3.6	mg/dl	2.5 - 6.8
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.

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



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**CREATININE**

Sample Type : Serum

<b>Creatinine</b>	0.73	mg/dl	0.40 - 1.40
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[ Enzymatic ]

Formula

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

\*\*END OF REPORT\*\*



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**BLOOD UREA LEVEL ( BUL )**

Sample Type : Serum

<b>Urea</b>	14.8	mg/dl	10 - 40
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[ Urease - GLDH ]

<b>Bun</b>	6.91	mg/dl	6 - 21
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[ Calculated ]

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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### COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

Hemoglobin	12.5	g/dl	11.5 - 15.0
RBC COUNT	4.5	Millions/c	3.8 - 4.8
PCV(Hematocrit)	<b>38.3</b>	%	40.0 - 50.0
Mean Cell Volume(MCV) [ calculated ]	85.1	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH) [ calculated ]	27.8	pg	27.0 - 32.0
Mean Cell Hb Conc(MCHC) [ calculated ]	32.6	g/dl	32 - 36
RDW	13.5	%	11.50 - 14.50
Total Leucocytes (WBC) Count	<b>11230</b>	/cumm	4000-11000

### DIFFERENTIAL COUNT

Neutrophils	<b>73.4</b>	%	40 - 70
Lymphocytes	<b>19</b>	%	20 - 50
Eosionphils	3	%	01 - 06
Monocytes	4.2	%	00 - 08
Basophils [ calculated ]	0.4	%	00-01

### SMEAR STUDY

RBC Morphology	Normocytic Normocromic.		
WBC Morphology	<b>Neutrophilic Leucocytosis</b>		
Platelets On Smear	Adequate on Smear		
Platelet Count	394000	/cumm	150000 - 450000
MPV	8.1	fL	6.5 - 10.0

### Comments :-

#### Method:-

HB:-Colorimetric, Total WBC:-Impedance/Flow Cytometry, HCT, MCV, MCH, MCHC, RDW-CV:-Calculate, Diff. Count: Flow Cytometry / Manual Stained Smear Microscopy, RBC: Impedance, Platelets : Impedance Method.

#### Technique :-

Fully Automated 5 part Diff. Cell Counter .

All Test Results are subjected to stringent international External and Internal Quality Control Protocols

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Test Description	Results	Units	Biological Reference Range
	<u><b>ESR</b></u>		
Sample Type : EDTA / Whole Blood			
ESR	10	Mm/hr	0 - 20
Method	Westergren		

\*\*END OF REPORT\*\*



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**TOTAL THYROXINE ( T4 )**

Sample Type : Serum

Total Thyroxine ( T4 ) [ CLIA ]	54.20	ng/ml	52 - 127
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**TOTAL TRIIODOTHYRONINE (T3)**

Sample Type : Serum

TotalTriiodothyronine (T3) [ CLIA ]	1.45	ng/dL	0.69 - 2.15
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**\*\*END OF REPORT\*\***



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