

Patient Name : **MRS. DHANALAKSHMI TURIMELLI**  
Patient ID : 40974  
Age / Sex : 33 years / Female  
Referred by : MEDIWHEEL  
Bill ID : 67907

Collected : Sep 03, 2022, 10:21 a.m.  
Reported : Sep 03, 2022, 01:40 p.m.  
Sample ID :



190218

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 ]	3.31	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.

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**\*\*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 ]	91.70	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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Consultant Pathologist  
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**POST PRANDIAL BLOOD SUGAR**

Sample Type : Flouride PP

Post Prandial Blood Sugar [ GOD - POD ]	110.10	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

"AB"

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 ]

164.70

mg/dL

Desirable : &lt;200 mg/dl

Borderline : 200 - 239mg/dl

High : &gt;240 mg/dl

TRIGLYCERIDES

[ Glycerol Phosphate Oxidase ]

**168.20**

mg/dL

Desirable : &lt;150 mg/dl

Borderline : 150 - 199mg/dl

High : &gt;200mg/dl

HDL CHOLESTEROL [ Direct ]

47.20

mg/dL

Desirable : &gt;40 mg/dl

Borderline Risk : 35 mg/dl

High Risk : &lt;30 mg/dl

LDL CHOLESTEROL [ Calculated ]

83.86

mg/dL

Desirable : &lt;100 mg/dl

Borderline : 130 - 160mg/dl

High : &gt;160mg/dl

VLDL Cholesterol

[ Calculated ]

**33.64**

mg/dL

Desirable : &lt;26 mg/dl

Borderline : &gt;30 mg/dl

Total Chol / HDL Chol Ratio

[ Calculated ]

3.49

mg/dL

Desirable : &lt;5 %

LDL / HDL Ratio

[ Calculated ]

1.78

1.00 - 3.55

NON-HDL CHOLESTEROL

[ Calculated ]

117.50

mg/dL

Desirable : &lt;130 mg/dl

Borderline : 160 - 189 mg/dl

High : &gt;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 ]	5.7	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	116.89	mg/dL	116.89 - 154.2

\*\*END OF REPORT\*\*

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### URINE ANALYSE REPORT

Sample Type : Urine

#### PHYSICAL EXAMINATION

COLOUR	Pale 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	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

#### MICROSCOPY

PUS CELLS/hpf	<b>4-6</b>
RBCs/hpf	Absent
EPI.CELLS/hpf	<b>4-6</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 ]	0.46	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [ DIAZO ]	0.23	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [ CALCULATED ]	0.23	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [ IFCC without Pyridoxal Phosphate ]	20.50	IU/L	5-40 IU/L
S.G.P.T.(ALT) [ IFCC without Pyridoxal Phosphate ]	17.60	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [ Amino Methyl Propanol (AMP) ]	60.00	IU/L	44-147 IU/L
TOTAL PROTEINS [ BIURET ]	7.19	IU/L	6.0 - 8.5 g/dL
ALBUMIN [ BROMO CRESOL GREEN (BCG) ]	3.92	g/dl	3.5-5.0 g/dl
GLOBULIN [ CALCULATED ]	3.27	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [ CALCULATED ]	1.20		
GAMMA GT	10.20	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 ]	4.90	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>	0.76	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>	30.50	mg/dl	10 - 40
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[ Urease - GLDH ]

<b>Bun</b>	14.24	mg/dl	6 - 21
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[ Calculated ]

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

\*\*END OF REPORT\*\*

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**COMPLETE BLOOD COUNT**

Sample Type : EDTA / Whole Blood

Hemoglobin	<b>9.8</b>	g/dl	11.5 - 15.0
RBC COUNT	<b>4.87</b>	Millions/c	3.8 - 4.8
PCV(Hematocrit)	<b>32.8</b>	%	40.0 - 50.0
Mean Cell Volume(MCV)	<b>67.35</b>	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	<b>20.12</b>	pg	27.0 - 32.0
Mean Cell Hb Conc(MCHC)	<b>29.88</b>	g/dl	32 - 36
RDW	<b>16.4</b>	%	11.50 - 14.50
Total Leucocytes (WBC) Count	9380	/cumm	4000-11000

**DIFFERENTIAL COUNT**

Neutrophils	67.7	%	40 - 70
Lymphocytes	26.4	%	20 - 50
Eosionphils	2.4	%	01 - 06
Monocytes	3.2	%	00 - 08
Basophils	0.30	%	00-01

**SMEAR STUDY**

RBC Morphology	<b>Hypochromia(+),Microcytosis(+)</b>		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	Adequate on Smear		
Platelet Count	414000	/cumm	150000 - 450000
MPV	8.7	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

\*\*END OF REPORT\*\*

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Test Description	Results	Units	Biological Reference Range
	<b><u>ESR</u></b>		
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 ]	111.10	ng/ml	52 - 127
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**\*\*END OF REPORT\*\***



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**TOTAL TRIIODOTHYRONINE (T3)**

Sample Type : Serum

TotalTriiodothyronine (T3) [ CLIA ]	1.20	ng/dL	0.69 - 2.15
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**\*\*END OF REPORT\*\***

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