

Patient Name : **MR. THANGARAJ MUTHIAH**
Patient ID : 58787
Age / Sex : 59 years / Male
Referred by : MEDIWHEEL
Bill ID : 95823

Collected : Mar 09, 2024, 09:32 a.m.
Reported : Mar 09, 2024, 02:37 p.m.
Sample ID :



267422

Test Description	Results	Units	Biological Reference Range
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TOTAL TRIIODOTHYRONINE (T3)

Sample Type : Serum

TotalTriiodothyronine (T3) [CLIA]	1.37	ng/dL	0.69 - 2.15
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****END OF REPORT****

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

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TOTAL THYROXINE (T4)

Sample Type : Serum

Total Thyroxine (T4) [CLIA]	65.8	ng/ml	52 - 127
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THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

Thyroid Stimulative Hormone (TSH) [CLIA]	8.41	μ IU/mL	0.3 - 4.5 1st trimester - 0.1 - 2.5 μ IU/mL 2nd trimester - 0.2 - 3 μ IU/mL 3rd trimester - 0.3 - 3 μ IU/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



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Test Description	Results	Units	Biological Reference Range
<u>FASTING BLOOD SUGAR</u>			
Sample Type : Flouride R			
Fasting Blood Sugar [GOD - POD]	125.7	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		

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POST PRANDIAL BLOOD SUGAR

Sample Type : Flouride PP

Post Prandial Blood Sugar [GOD - POD]	222.3	mg/dl	110-180
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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BLOOD GROUP

Sample Type : EDTA / Whole Blood

ABO Grouping

"B"

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.

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LIPID PROFILE

Sample Type : Serum

TOTAL CHOLESTEROL

[CHOD-PAP]

109

mg/dL

Desirable : <200 mg/dl

Borderline : 200 - 239mg/dl

High : >240 mg/dl

TRIGLYCERIDES

[Glycerol Phosphate Oxidase]

66.2

mg/dL

Desirable : <150 mg/dl

Borderline : 150 - 199mg/dl

High : >200mg/dl

HDL CHOLESTEROL [Direct]

26.8

mg/dL

Desirable : >40 mg/dl

Borderline Risk : 35 mg/dl

High Risk : <30 mg/dl

LDL CHOLESTEROL [Calculated]

68.96

mg/dL

Desirable : <100 mg/dl

Borderline : 130 - 160mg/dl

High : >160mg/dl

VLDL Cholesterol

[Calculated]

13.24

mg/dL

Desirable : <26 mg/dl

Borderline : >30 mg/dl

Total Chol / HDL Chol Ratio

[Calculated]

4.07

mg/dL

Desirable : <5 %

LDL / HDL Ratio

[Calculated]

2.57

1.00 - 3.55

NON-HDL CHOLESTEROL

[Calculated]

82.20

mg/dL

Desirable : <130 mg/dl

Borderline : 160 - 189 mg/dl

High : >220 mg/dl

Technique:

Fully Automated Biochemistry Analyser ERBA EM-200.

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Test Description	Results	Units	Biological Reference Range
<u>GLYCOCYLATED HAEMOGLOBIN</u>			
Sample Type : EDTA / Whole Blood			
Glycocyalted Haemoglobin (HbA1c) [Tosoh HPLC]	7.9	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	180.03	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	Clear		
REACTION (PH)	8.5		4.8 - 7.6
SPECIFIC GRAVITY	1.025		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

MICROSCOPY

PUS CELLS/hpf	2-4
RBCs/hpf	Absent
EPI.CELLS/hpf	1-2
CASTS	Absent
CRYSTALS	Absent
BACTERIA	Absent
Other	Absent

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LIVER FUNCTION TEST

Sample Type : Serum

TOTAL BILIRUBIN [DIAZO]	0.34	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [DIAZO]	0.18	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [CALCULATED]	0.16	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [IFCC without Pyridoxal Phosphate]	17.1	IU/L	5-40 IU/L
S.G.P.T.(ALT) [IFCC without Pyridoxal Phosphate]	20.5	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [Amino Methyl Propanol (AMP)]	78	IU/L	44-147 IU/L
TOTAL PROTEINS [BIURET]	7.94	IU/L	6.0 - 8.5g/dL
ALBUMIN [BROMO CRESOL GREEN (BCG)]	4.02	g/dl	3.5-5.0 g/dl
GLOBULIN [CALCULATED]	1.92	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [CALCULATED]	2.09		
GAMMA GT	20.0	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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SR. URIC ACID

Sample Type : Serum

Uric Acid [Uricase - POD]	5.9	mg/dl	3.6 - 7.7
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.

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Test Description	Results	Units	Biological Reference Range
<u>CREATININE</u>			
Sample Type : Serum			
Creatinine	0.98	mg/dl	0.40 - 1.40
[Enzymatic]			
Estimated GFR	88.83	ml/min/1.73sq m	Normal: >90 Mild Decrease : 60-89 Mild Moderate Decrease : 45-59 Moderate to Severe Decrease : 30-44 Severe Decrease ; 15-29 Kidney Failure : <15
[Calculated]			
Formula	Estimated GFR Calculate By CKD-EPI Formula.		
Technique :-	Done On Fully Automated Biochemistry Analyser ERBA EM-200		

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BLOOD UREA LEVEL (BUL)

Sample Type : Serum

Urea	16.9	mg/dl	10 - 40
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[Urease - GLDH]

Bun	7.89	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	11.2	g/dl	13.0 - 17.0
RBC COUNT	4.71	Millions/c	4.5 - 5.5
PCV(Hematocrit)	35.2	%	40.0 - 50.0
Mean Cell Volume(MCV) [calculated]	74.8	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH) [calculated]	23.8	pg	27.0 - 33.0
Mean Cell Hb Conc(MCHC) [calculated]	31.8	g/dl	32 - 36
RDW	14.9	%	11.50 - 14.50
Total Leucocytes (WBC) Count	8210	/cumm	4000-11000

DIFFERENTIAL COUNT

Neutrophils	56.1	%	40 - 70
Lymphocytes	22.2	%	20 - 50
Eosionphils	15.8	%	01 - 06
Monocytes	5.1	%	00 - 08
Basophils [calculated]	0.8	%	00-01

SMEAR STUDY

RBC Morphology	Hypochromia(+),Microcytosis(+),Macrocytosis(+), Anisopoikilocytosis(+).		
WBC Morphology	Eosinophilia.		
Platelets On Smear	Adequate on Smear		
Platelet Count	375000	/cumm	150000 - 450000
MPV	8.2	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
	<u>ESR</u>		
Sample Type : EDTA / Whole Blood			
ESR	15	Mm/hr	0 - 20
Method	Westergren		

END OF REPORT

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Sample Type : Serum

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