

Patient Name : **MR. GAJENDRA TUPSAMUDRE**
Patient ID : 58784
Age / Sex : 39 years / Male
Referred by : MEDIWHEEL
Bill ID : 95819

Collected : Mar 09, 2024, 09:22 a.m.
Reported : Mar 09, 2024, 04:02 p.m.
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267409

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TOTAL TRIIODOTHYRONINE (T3)

Sample Type : Serum

| | | | |
|--|------|-------|-------------|
| TotalTriiodothyronine (T3) [CLIA] | 1.56 | ng/dL | 0.69 - 2.15 |
|--|------|-------|-------------|

****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] | 110.0 | ng/ml | 52 - 127 |
|------------------------------------|-------|-------|----------|

****END OF REPORT****

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THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

| | | | |
|--|------|--------|--|
| Thyroid Stimulative Hormone (TSH) [CLIA] | 2.78 | 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 |
|--|------|--------|--|

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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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.

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POST PRANDIAL BLOOD SUGAR

Sample Type : Flouride PP

| | | | |
|--|--------------|-------|---------|
| Post Prandial Blood Sugar [GOD - POD] | 108.5 | mg/dl | 110-180 |
|--|--------------|-------|---------|

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

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| | <u>ESR</u> | | |
| Sample Type : EDTA / Whole Blood | | | |
| ESR | 5 | Mm/hr | 0 - 15 |
| Method | Westergren | | |

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COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

| | | | |
|--|------|------------|---------------|
| Hemoglobin | 14.8 | g/dl | 13.0 - 17.0 |
| RBC COUNT | 5.36 | Millions/c | 4.5 - 5.5 |
| PCV(Hematocrit) | 44.2 | % | 40.0 - 50.0 |
| Mean Cell Volume(MCV) [calculated] | 82.5 | fl | 80.0 - 100.0 |
| Mean Cell Hemoglobin(MCH) [calculated] | 27.7 | pg | 27.0 - 33.0 |
| Mean Cell Hb Conc(MCHC) [calculated] | 33.6 | g/dl | 32 - 36 |
| RDW | 13.8 | % | 11.50 - 14.50 |
| Total Leucocytes (WBC) Count | 7490 | /cumm | 4000-11000 |

DIFFERENTIAL COUNT

| | | | |
|--------------------------|------|---|---------|
| Neutrophils | 54.5 | % | 40 - 70 |
| Lymphocytes | 37.4 | % | 20 - 50 |
| Eosionphils | 5.4 | % | 01 - 06 |
| Monocytes | 2.2 | % | 00 - 08 |
| Basophils [calculated] | 0.5 | % | 00-01 |

SMEAR STUDY

| | | | |
|--------------------|----------------------------|-------|-----------------|
| RBC Morphology | Normocytic Normocromic. | | |
| WBC Morphology | No E/o Toxic granules seen | | |
| Platelets On Smear | Adequate on Smear | | |
| Platelet Count | 230000 | /cumm | 150000 - 450000 |
| MPV | 8.6 | 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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BLOOD UREA LEVEL (BUL)

Sample Type : Serum

| | | | |
|-------------|------|-------|---------|
| Urea | 13.2 | mg/dl | 10 - 40 |
|-------------|------|-------|---------|

[Urease - GLDH]

| | | | |
|------------|------|-------|--------|
| Bun | 6.16 | mg/dl | 6 - 21 |
|------------|------|-------|--------|

[Calculated]

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

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| <u>CREATININE</u> | | | |
| Sample Type : Serum | | | |
| Creatinine | 0.95 | mg/dl | 0.40 - 1.40 |
| [Enzymatic] | | | |
| Estimated GFR | 104.42 | 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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LIPID PROFILE

Sample Type : Serum

TOTAL CHOLESTEROL

[CHOD-PAP]

219

mg/dL

Desirable : <200 mg/dl

Borderline : 200 - 239mg/dl

High : >240 mg/dl

TRIGLYCERIDES

[Glycerol Phosphate Oxidase]

54.6

mg/dL

Desirable : <150 mg/dl

Borderline : 150 - 199mg/dl

High : >200mg/dl

HDL CHOLESTEROL [Direct]

40.5

mg/dL

Desirable : >40 mg/dl

Borderline Risk : 35 mg/dl

High Risk : <30 mg/dl

LDL CHOLESTEROL [Calculated]

167.58

mg/dL

Desirable : <100 mg/dl

Borderline : 130 - 160mg/dl

High : >160mg/dl

VLDL Cholesterol

[Calculated]

10.92

mg/dL

Desirable : <26 mg/dl

Borderline : >30 mg/dl

Total Chol / HDL Chol Ratio

[Calculated]

5.41

mg/dL

Desirable : <5 %

LDL / HDL Ratio

[Calculated]

4.14

1.00 - 3.55

NON-HDL CHOLESTEROL

[Calculated]

178.50

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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SR. URIC ACID

Sample Type : Serum

| | | | |
|---------------------------------------|-----|-------|-----------|
| Uric Acid [Uricase - POD] | 5.8 | mg/dl | 3.6 - 7.7 |
|---------------------------------------|-----|-------|-----------|

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

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LIVER FUNCTION TEST

Sample Type : Serum

| | | | |
|---|------|-------|---------------|
| TOTAL BILIRUBIN [DIAZO] | 0.6 | mg/dl | 0.3-1.3 mg/dl |
| BILIRUBIN-DIRECT [DIAZO] | 0.23 | mg/dl | 0.1-0.4 mg/dl |
| BILLIRUBIN-INDIRECT [CALCULATED] | 0.37 | mg/dl | 0.1-0.9 mg/dl |
| S.G.O.T. (AST) [IFCC without Pyridoxal Phosphate] | 17.7 | IU/L | 5-40 IU/L |
| S.G.P.T.(ALT) [IFCC without Pyridoxal Phosphate] | 13.7 | IU/L | 5-40 IU/L |
| ALKALINE PHOSPHATASE [Amino Methyl Propanol (AMP)] | 103 | IU/L | 44-147 IU/L |
| TOTAL PROTEINS [BIURET] | 7.14 | IU/L | 6.0 - 8.5g/dL |
| ALBUMIN [BROMO CRESOL GREEN (BCG)] | 4.54 | g/dl | 3.5-5.0 g/dl |
| GLOBULIN [CALCULATED] | 2.60 | gm% | 2.3-3.5 gm% |
| ALBUMIN/GLOBULIN RATIO [CALCULATED] | 1.75 | | |
| GAMMA GT | 37.0 | U/L | 0 - 45 |

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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| <u>FASTING BLOOD SUGAR</u> | | | |
| Sample Type : Flouride R | | | |
| Fasting Blood Sugar [GOD - POD] | 97.3 | 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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| <u>GLYCOCYLATED HAEMOGLOBIN</u> | | | |
| Sample Type : EDTA / Whole Blood | | | |
| Glycocyalted Haemoglobin (HbA1c) [Tosoh HPLC] | 5.9 | % | <5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT |
| MEAN BLOOD GLUCOSE | 122.63 | 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 | 1.000 | | 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 |

****END OF REPORT****

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