


Patient Name : **MISS RAHA SARBARI KAMALESH**
 Patient ID : **PKG10000228**
 Age / Sex : **32 years / Female**
 Referred by : **MEDIWHEEL**
 Bill ID : **58706**

Collected : **Feb 12, 2022, 10:03 a.m.**
 Reported : **Feb 12, 2022, 12:50 p.m.**
 Sample ID : 
 165586

| Test Description | Results | Units | Biological Reference Range |
|------------------|---------|-------|----------------------------|
|------------------|---------|-------|----------------------------|

LIVER FUNCTION TEST

Sample Type : Serum

| | | | |
|---|--------------|-------|----------------|
| TOTAL BILIRUBIN [DIAZO] | 0.38 | mg/dl | 0.3-1.3 mg/dl |
| BILIRUBIN-DIRECT [DIAZO] | 0.20 | mg/dl | 0.1-0.4 mg/dl |
| BILLIRUBIN-INDIRECT [CALCULATED] | 0.18 | mg/dl | 0.1-0.9 mg/dl |
| S.G.O.T. (AST) [IFCC without Pyridoxal Phosphate] | 19.00 | IU/L | 5-40 IU/L |
| S.G.P.T.(ALT) [IFCC without Pyridoxal Phosphate] | 15.20 | IU/L | 5-40 IU/L |
| ALKALINE PHOSPHATASE [Amino Methyl Propanol (AMP)] | 36.00 | IU/L | 44-147 IU/L |
| TOTAL PROTEINS [BIURET] | 7.19 | IU/L | 6.0 - 8.5 g/dL |
| ALBUMIN [BROMO CRESOL GREEN (BCG)] | 3.99 | g/dl | 3.5-5.0 g/dl |
| GLOBULIN [CALCULATED] | 3.20 | gm% | 2.3-3.5 gm% |
| ALBUMIN/GLOBULIN RATIO [CALCULATED] | 1.25 | | |
| GAMMA GT | 26.30 | U/L | 0 - 45 |


Technique : Fully Automated Biochemistry Analyser ERBA EM-200

END OF REPORT



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 Consultant Pathologist
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SR. URIC ACID

Sample Type : Serum

| | | | |
|---------------------------------------|------|-------|-----------|
| Uric Acid [Uricase - POD] | 4.10 | mg/dl | 2.5 - 6.8 |
|---------------------------------------|------|-------|-----------|


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

****END OF REPORT****



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CREATININE

Sample Type : Serum

| | | | |
|-------------------|------|-------|-------------|
| Creatinine | 0.61 | mg/dl | 0.40 - 1.40 |
|-------------------|------|-------|-------------|

[Enzymatic]

Formula


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

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BLOOD UREA LEVEL (BUL)

Sample Type : Serum

| | | | |
|-------------|-------|-------|---------|
| Urea | 17.70 | mg/dl | 10 - 40 |
|-------------|-------|-------|---------|

[Urease - GLDH]

| | | | |
|------------|------|-------|--------|
| Bun | 8.27 | mg/dl | 6 - 21 |
|------------|------|-------|--------|


[Calculated]

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

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LIPID PROFILE

Sample Type : Serum

| | | | |
|-----------------------------------|--------|-------|--|
| TOTAL CHOLESTEROL [CHOD-PAP] | 146.50 | mg/dL | Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl |
|-----------------------------------|--------|-------|--|

| | | | |
|---|-------|-------|---|
| TRIGLYCERIDES [Glycerol Phosphate Oxidase] | 47.50 | mg/dL | Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl |
|---|-------|-------|---|

| | | | |
|----------------------------|-------|-------|--|
| HDL CHOLESTEROL [Direct] | 51.70 | mg/dL | Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl |
|----------------------------|-------|-------|--|

| | | | |
|--------------------------------|-------|-------|---|
| LDL CHOLESTEROL [Calculated] | 85.30 | mg/dL | Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl |
|--------------------------------|-------|-------|---|

| | | | |
|------------------------------------|------|-------|---|
| VLDL Cholesterol [Calculated] | 9.50 | mg/dL | Desirable : <26 mg/dl Borderline : >30 mg/dl |
|------------------------------------|------|-------|---|

| | | | |
|---|------|-------|------------------|
| Total Chol / HDL Chol Ratio [Calculated] | 2.83 | mg/dL | Desirable : <5 % |
|---|------|-------|------------------|

| | | | |
|-----------------------------------|------|--|-------------|
| LDL / HDL Ratio [Calculated] | 1.65 | | 1.00 - 3.55 |
|-----------------------------------|------|--|-------------|


| | | | |
|---------------------------------------|-------|-------|---|
| NON-HDL CHOLESTEROL [Calculated] | 94.80 | mg/dL | Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl |
|---------------------------------------|-------|-------|---|

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ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

| | | | |
|---|------|--------|---|
| Ultrasensitive Thyroid Stimulative Hormone (TSH) [CLIA] | 3.60 | 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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TOTAL THYROXINE (T4)

Sample Type : Serum


| | | | |
|----------------------------------|-------|-------|----------|
| Total Thyroxine (T4) [CLIA] | 81.63 | ng/ml | 52 - 127 |
|----------------------------------|-------|-------|----------|

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TOTAL TRIIODOTHYRONINE (T3)

Sample Type : Serum


| | | | |
|--------------------------------------|------|-------|-------------|
| TotalTriiodothyronine (T3) [CLIA] | 2.10 | ng/dL | 0.69 - 2.15 |
|--------------------------------------|------|-------|-------------|

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|--|---------------|-------|---|
| <u>GLYCOCYLATED HAEMOGLOBIN</u> | | | |
| Sample Type : EDTA / Whole Blood | | | |
| Glycylated Haemoglobin (HbA1c) [Tosoh HPLC] | 5.4 | % | <5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT |
| MEAN BLOOD GLUCOSE | 108.28 | mg/dL | 116.89 - 154.2 |

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POST PRANDIAL BLOOD SUGAR

Sample Type : Flouride PP

| | | | |
|--|--------|-------|---------|
| Post Prandial Blood Sugar [GOD - POD] | 116.70 | mg/dl | 110-180 |
|--|--------|-------|---------|


Technique :- Done On 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] | 94.60 | 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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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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URINE ANALYSE REPORT

Sample Type : Urine

PHYSICAL EXAMINATION

| | | |
|------------------|-------------|---------------|
| COLOUR | Pale Yellow | |
| APPEARANCE | Clear | |
| REACTION (PH) | 5.0 | 5.0-7.5 |
| 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 | 1-2 |
| RBCs/hpf | Absent |
| EPI.CELLS/hpf | 1-2 |
| CASTS | Absent |
| CRYSTALS | Absent |
| BACTERIA | Absent |
| Other | Absent |

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| | <u>ESR</u> | | |
| Sample Type : EDTA / Whole Blood | | | |
| ESR | 10 | Mm/hr | 0 - 20 |
| Method | Westergren | | |

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COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

| | | | |
|------------------------------|--------------|------------|---------------|
| Hemoglobin | 9.9 | g/dl | 11.5 - 15.0 |
| RBC COUNT | 4.39 | Millions/c | 3.8 - 4.8 |
| PCV(Hematocrit) | 29.5 | % | 40.0 - 50.0 |
| Mean Cell Volume(MCV) | 67.20 | fl | 80.0 - 100.0 |
| Mean Cell Hemoglobin(MCH) | 22.55 | pg | 27.0 - 32.0 |
| Mean Cell Hb Conc(MCHC) | 33.56 | g/dl | 32 - 36 |
| RDW | 15.9 | % | 11.50 - 14.50 |
| Total Leucocytes (WBC) Count | 4820 | /cumm | 4000-11000 |

DIFFERENTIAL COUNT

| | | | |
|-------------|------------|---|---------|
| Neutrophils | 54.3 | % | 40 - 70 |
| Lymphocytes | 33.0 | % | 20 - 50 |
| Eosionphils | 9.4 | % | 01 - 06 |
| Monocytes | 2.7 | % | 00 - 08 |
| Basophils | 0.60 | % | 00-01 |

SMEAR STUDY

| | | | |
|--------------------|---|-------|-----------------|
| RBC Morphology | Hypochromia(++),Microcytosis(++) | | |
| WBC Morphology | Eosinophilia. | | |
| Platelets On Smear | Adequate on Smear | | |
| Platelet Count | 245000 | /cumm | 150000 - 450000 |
| MPV | 10.7 | 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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