**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013329** | P. ID | **:** | **MG-102962** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Reshma | | | | Age | **:** | 24 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **PGH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti-Thyroid PeroxydaseAntibody (Anti-TPO) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Thyroid Peroxydase Antibody** | 1.54 | IU/ml | Less than 34 IU/ml |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013330** | P. ID | **:** | **MG-1351(AMC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sumaiya | | | | Age | **:** | 13 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Badiuzzaman MBBS, BCS, PGT, CCD (Birdem)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T4** | 9.06 | μg/dL | Cord blood: 7.4 to 13.0  **Children:**  1 to 3 days: 11.8 to 22.6  1 to 2 wk: 9.8 to 16.6  1 to 4 mo: 7.2 to 14.4  4 to 12 mo: 7.8 to 16.5  1 to 5 y: 7.3 to 15.0  5 to 10 y: 6.4 to 13.3  10 to 15 y: 5.6 to 11.7  **Adults (15 to 60 y):**  **Men:** 4.87-11.72  **Women:** 5.5 to 11.0  >60 y: 5.0 to 10.7 |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013331** | P. ID | **:** | **MG-03(TAJ)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Salma Begum | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **H.G.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | 6,900 | /L | 4,000–11,000/L |
| Neutrophil | 60 | % | 40 – 80 % |
| Lymphocyte | 32 | % | 20 – 40 % |
| Monocyte | 05 | % | 2 – 10 % |
| Eosinophil | 03 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 4,37,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 207 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 4.29 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 91.4 | fL | 81 – 101 fL |
| MCH | 29.8 | pg | 27 – 32 pg |
| MCHC | 32.7 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 39.2 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 12.8 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 25 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013331** | P. ID | **:** | **MG-03(TAJ)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Salma Begum | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **H.G.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 139.9 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 4.4 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 103.5 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 24.2 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013332** | P. ID | **:** | **MG-01(TAJ)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Anika Rani Day | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Pulok Nath Banik MBBS, BCS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Liver Function Test (LFT) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Bilirubin (Total)** | 0.49 | mg/dL | Up to 1.10 | | | mg/dL | |
| **SGOT (AST)** | **40.64** | U/L | Male | : | Upto 38 | | U/L |
|  |  |  | Female | : | Upto 31 | | U/L |
| **SGPT (ALT)** | **44.47** | U/L | Male | : | Upto 40 | | U/L |
|  |  |  | Female | : | Upto 32 | | U/L |
| **Alkaline Phosphatase** | **424.74** | U/L | Adult | : | 98 – 279 | |  |
|  |  |  | Upto 15 yrs | : | Upto 645 | | U/L |
|  |  |  |  | | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013337** | P. ID | **:** | **NR-258** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Kohinor | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Shibpur Diabetic & General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.40 | ng/ml | 0.8 – 1.9 ng/ml |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013338** | P. ID | **:** | **NR-238** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ferdoshi Jannat | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Shibpur Diabetic & General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.69 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013339** | P. ID | **:** | **NR-035** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mini Khan | | | | Age | **:** | 65 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Shibpur Diabetic & General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3, T4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.38 | ng/ml | 0.8 – 1.9 ng/ml |
|  |  |  |  |
| **T4** | 8.54 | μg/dL | Cord blood: 7.4 to 13.0  **Children**:  1 to 3 days: 11.8 to 22.6  1 to 2 wk: 9.8 to 16.6  1 to 4 mo: 7.2 to 14.4  4 to 12 mo: 7.8 to 16.5  1 to 5 y: 7.3 to 15.0  5 to 10 y: 6.4 to 13.3  10 to 15 y: 5.6 to 11.7  **Adults (15 to 60 y):**  **Men**: 4.87-11.72  **Women**: 5.5 to 11.0  >60 y: 5.0 to 10.7  **Newborn screen (whole blood):**  1 to 5 days: >7.5  6 days: >6.5 |
|  |  |  |  |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013340** | P. ID | **:** | **NR-1569** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Anabia | | | | Age | **:** | 05 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Jashim Uddin MBBS, FCPS, DCH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Febrile Antigen | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **FEBRILE ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| Proteus OX2 | 1:80 | 1:80 |
| Proteus OX19 | 1:80 | 1:80 |
| Proteus OXK | 1:80 | 1:80 |
| BrucellaAbortus | 1:80 | 1:80 |
| BrucellaMelitensis | 1:80 | 1:80 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **WIDAL ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| TO | 1:80 | 1:80 |
| TH | 1:80 | 1:80 |
| AH | 1:80 | 1:80 |
| BH | 1:80 | 1:80 |
| AO | 1:80 | 1:80 |
| BO | 1:80 | 1:80 |
|  |  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013342** | P. ID | **:** | **NRM-66** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Mansura | | | | Age | **:** | 19 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | LH, FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Luteinizing Hormone (LH)** | 18.45 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.0 – 10.5 | | **Female** |  |  | | Follicular Phase | : | 2.0 – 13.5 | | Ovulation Period | : | 14.0 – 96.0 | | Luteal Phase | : | 0.5 – 12.5 | | Menopause | : | 7.0 – 59.5 | |  |  |  | |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | 8.57 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 8.9 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013343** | P. ID | **:** | **NRM-05** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Mohsin | | | | Age | **:** | 33 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Anti – HBc (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.800 |
| Patient serum (OD) | **:** | 0.833 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is Positive) |
|  |  | (If patient OD is greater then cut off value, then the test is Negative) |
|  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013343** | P. ID | **:** | **NRM-05** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Mohsin | | | | Age | **:** | 33 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Anti- HEV IgM(ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.105 |
| Patient serum (OD) | **:** | 0.013 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is negative) |
|  |  | (If patient OD is greater then cut off value, then the test is positive) |
|  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013344** | P. ID | **:** | **NRM-09** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Sadia Rahman | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – HBc (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.800 |
| Patient serum (OD) | **:** | 1.490 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is Positive) |
|  |  | (If patient OD is greater then cut off value, then the test is Negative) |
|  |  |  |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013345** | P. ID | **:** | **NRM-18** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Forid Mia | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | **47,400** | /L | 4,000–11,000/L |
| Neutrophil | **86** | % | 40 – 80 % |
| Lymphocyte | **10** | % | 20 – 40 % |
| Monocyte | 02 | % | 2 – 10 % |
| Eosinophil | 02 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | **5,85,000** | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 948 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 4.75 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 90.3 | fL | 81 – 101 fL |
| MCH | 29.9 | pg | 27 – 32 pg |
| MCHC | 33.1 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 42.9 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 14.2 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | **50** | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013346** | P. ID | **:** | **NRM-01** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Shahalom | | | | Age | **:** | 50 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | S. PO4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Serum Phosphate (PO4)** | 5.71 | mg/dL | Male | : | 2.5 – 4.5 | mg/dL |
|  |  |  | Female | : | 1.5 – 6.8 | mg/dL |
|  |  |  | Children | : | 4.0 – 7.0 | mg/dL |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013346** | P. ID | **:** | **NRM-01** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Shahalom | | | | Age | **:** | 50 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prime General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Albumin Creatinine Ratio (ACR) | | | | Specimen | | | **:** | Urine | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Urinary Albumin** | **568.37** | mg/dL | Adult | : | 1-14 | | mg/dl |
|  |  |  | Child | : | 1-10 | mg/dl | |
| **Urinary Creatinine** | 75.5 | mg/dl | Spot Collection | : | 25 to 400 | mg/dl | |
|  |  |  |  |  |  |  | |
|  |  |  |  |  |  | | |
| **Urine: A.C.R.** | **7.52** |  |  |  | < 0.18 | | |
|  |  |  |  | | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013347** | P. ID | **:** | **NJ-004** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shirina | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Bhulta Modern Hospital & Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.48 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**BIOCHEMISTRY (IRON PROFILE)**

Tests were carried out by Accu-Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013349** | P. ID | **:** | **NJ-14377(J)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tanjina | | | | Age | **:** | 21 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Sarathi Rani Roy MBBS, BCS, FCPS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin, Iron, TIBC | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Serum Ferritin** | 274.29 | ng/ml | Male | : | 27 – 375 |
|  |  |  | Female | : | 12 – 135 |
| **Serum Iron** | 195.10 | μg/dl | New born | : | 100 – 250 |
|  |  |  | Infant | : | 40 – 100 |
|  |  |  | Children | : | 50 – 120 |
|  |  |  | Male | : | 65 – 175 |
|  |  |  | Female | : | 50-170 |
| **TIBC** | 300.90 | μg/dL |  |  | 250 – 400 |
| **UIBC** | 105.80 | μg/dL |  |  | 162 – 368 |
| **% Transferrin Saturation** | 64.64 | % |  |  | 15 – 50 |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013350** | P. ID | **:** | **NJ-7158** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ibrahim | | | | Age | **:** | 60 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Ali Ashraf MBBS, CMU, CCD, PHT** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Triple Antigen | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **TRIPLE ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| Proteus OX2 | 1:80 | 1:80 |
| Proteus OX19 | 1:80 | 1:80 |
| Proteus OXK | 1:80 | 1:80 |
| BrucellaAbortus | 1:80 | 1:80 |
| BrucellaMelitensis | 1:80 | 1:80 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **WIDAL ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| TO | 1:80 | 1:80 |
| TH | 1:80 | 1:80 |
| AH | 1:80 | 1:80 |
| BH | 1:80 | 1:80 |
| AO | 1:80 | 1:80 |
| BO | 1:80 | 1:80 |
|  |  |  |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013351** | P. ID | **:** | **NJ-14367(J)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Maisha | | | | Age | **:** | 7 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Tamim Ahmed Sajid MBBS, CCD, DCH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Febrile Antigen | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **FEBRILE ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| Proteus OX2 | 1:80 | 1:80 |
| Proteus OX19 | 1:80 | 1:80 |
| Proteus OXK | 1:80 | 1:80 |
| BrucellaAbortus | 1:80 | 1:80 |
| BrucellaMelitensis | 1:80 | 1:80 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **WIDAL ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| TO | 1:80 | 1:80 |
| TH | 1:80 | 1:80 |
| AH | 1:80 | 1:80 |
| BH | 1:80 | 1:80 |
| AO | 1:80 | 1:80 |
| BO | 1:80 | 1:80 |
|  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Accu- Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013354** | P. ID | **:** | **NJ-3268** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ayasha | | | | Age | **:** | 33 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Serum Ferritin** | **>1500** | ng/ml | Male | : | 27 – 375 | ng/ml |
|  |  |  | Female | : | 12 – 135 | ng/ml |
|  |  |  |  | | | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013355** | P. ID | **:** | **NJ-3274** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rob Miah | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | PSA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **PSA** | 2.35 | ng/ml | < 40 Yrs. | : | ≤2.0 ng/ml |
|  |  |  | 40 – 49 Yrs. | : | ≤2.5 ng/ml |
|  |  |  | 50 – 59 Yrs. | : | ≤3.5 ng/ml |
|  |  |  | 60 – 69 Yrs. | : | ≤4.5 ng/ml |
|  |  |  | 70 – 79 Yrs. | : | ≤6.5 ng/ml |
|  |  |  | ≥ 80 Yrs. | : | ≤7.2 ng/ml |
|  |  |  |  | | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013357** | P. ID | **:** | **NJ-3260** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Morium | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CEA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | |
| **CEA** | 0.51 | ng/ml | Non – Smokers | < 5 ng/ml |
|  |  |  | Smokers | < 10 ng/ml |
|  |  |  |  | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013358** | P. ID | **:** | **NJ-3245** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Afaz Uddin | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | PSA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **PSA** | 0.14 | ng/ml | < 40 Yrs. | : | ≤2.0 ng/ml |
|  |  |  | 40 – 49 Yrs. | : | ≤2.5 ng/ml |
|  |  |  | 50 – 59 Yrs. | : | ≤3.5 ng/ml |
|  |  |  | 60 – 69 Yrs. | : | ≤4.5 ng/ml |
|  |  |  | 70 – 79 Yrs. | : | ≤6.5 ng/ml |
|  |  |  | ≥ 80 Yrs. | : | ≤7.2 ng/ml |
|  |  |  |  | | |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013359** | P. ID | **:** | **NJ-3261** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Taslima | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | **235.32** | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013360** | P. ID | **:** | **NJ-3249** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Emon | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Family Care Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | ASO Titer | | | | Specimen | | | **:** | Serum | | | |

|  |  |
| --- | --- |
| **INVESTIGATION** | **RESULT UNIT NORMAL RANGE** |
| **ASO** | **425** IU/mL< 200 IU/mL |
|  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013362** | P. ID | **:** | **Dhan-1315** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Marzana Akhter | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dhanmondi Gastro Liver** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | 13.22 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 9.5 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013363** | P. ID | **:** | **TG5-0575** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ruma | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Jamuna DC** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.24 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013364** | P. ID | **:** | **TG5-0013** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mim | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Jamuna DC** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.82 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013365** | P. ID | **:** | **TG5-002** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mita | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Jamuna DC** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 139.1 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 5.2 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 95.9 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 23.8 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by BioLabo(France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013366** | P. ID | **:** | **TG5-0004** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Moniruzzaman | | | | Age | **:** | 49 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Jamuna DC** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | HbA1c | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **HbA1c** | **14.0** | % | < 6.5 |
|  |  |  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013367** | P. ID | **:** | **TG5-0574** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hasib | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Jamuna DC** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 4.96 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013368** | P. ID | **:** | **TG5-469** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Harun Ur Rashid | | | | Age | **:** | 29 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Hasan Diagnostic Center** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Triglyceride | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Triglyceride** | 77 | mg/dl | 50 – 200 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by BioLabo(France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013368** | P. ID | **:** | **TG5-469** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Harun Ur Rashid | | | | Age | **:** | 29 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Hasan Diagnostic Center** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Bilirubin (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Bilirubin (Total)** | **2.35** | mg/dL | Adult: 0.3-1.2 | mg/dL |
|  |  |  | 0-1Day: 1.4-8.7 | mg/dL |
|  |  |  | 1-2Days: 3.4-11.5 | mg/dL |
|  |  |  | 3-5Days: 1.5-12 | mg/dL |
|  |  |  |  | | |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013375** | P. ID | **:** | **TG-02** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Spriha | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Kamal Karmoker MBBS, FCPS (M), MD (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | 8,500 | /L | 4,000–11,000/L |
| Neutrophil | 60 | % | 40 – 80 % |
| Lymphocyte | 30 | % | 20 – 40 % |
| Monocyte | 07 | % | 2 – 10 % |
| Eosinophil | 03 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 2,74,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 255 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 5.45 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 92.5 | fL | 81 – 101 fL |
| MCH | 30.3 | pg | 27 – 32 pg |
| MCHC | 32.7 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 50.4 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 16.5 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 20 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013375** | P. ID | **:** | **TG-02** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Spriha | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Kamal Karmoker MBBS, FCPS (M), MD (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 15.80 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 0.77 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013376** | P. ID | **:** | **TG-919** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Juena | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Square Medical Services** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.40 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013377** | P. ID | **:** | **TG-27** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mehedi | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **355.71** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013378** | P. ID | **:** | **TG-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Safayet | | | | Age | **:** | 08 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013379** | P. ID | **:** | **TG-16** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shopna | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Square Medical Services** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CA – 125 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **CA – 125** | 26.48 | U/ml | < 35 |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013380** | P. ID | **:** | **TG-0026** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shobuja | | | | Age | **:** | 34 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Alpha Medical Lab** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti-Thyroid PeroxydaseAntibody (Anti-TPO) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Thyroid Peroxydase Antibody** | 3.41 | IU/ml | Less than 34 IU/ml |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013381** | P. ID | **:** | **TG-01** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Suria | | | | Age | **:** | 75 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **DHG** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 23.81 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | **15,500** | /L | 4,000–11,000/L |
| Neutrophil | 65 | % | 40 – 80 % |
| Lymphocyte | 27 | % | 20 – 40 % |
| Monocyte | 05 | % | 2 – 10 % |
| Eosinophil | 03 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 3,26,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 465 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 4.11 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 78.6 | fL | 81 – 101 fL |
| MCH | 25.5 | pg | 27 – 32 pg |
| MCHC | 32.5 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 32.3 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | **10.5** | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | **35** | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CRP | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **NORMAL RANGE** |
| CRP | **12** | <6 |
|  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | RBS | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **RBS** | 7.61 | mmol/L | 4.4 – 7.8 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Ca++ | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. Ca++** | **6.90** | mg/dl | Newborn | : | 8 – 13 | mg/dl |
|  |  |  | Adult | : | 8.5 – 10.5 | mg/dl |
|  |  |  | Child | **:** | 10 – 12 | mg/dl |
|  |  |  |  | | | |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Triple Antigen | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **TRIPLE ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| Proteus OX2 | 1:80 | 1:80 |
| Proteus OX19 | 1:80 | 1:80 |
| Proteus OXK | 1:80 | 1:80 |
| BrucellaAbortus | 1:80 | 1:80 |
| BrucellaMelitensis | 1:80 | 1:80 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **WIDAL ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| TO | 1:80 | 1:80 |
| TH | 1:80 | 1:80 |
| AH | 1:80 | 1:80 |
| BH | 1:80 | 1:80 |
| AO | 1:80 | 1:80 |
| BO | 1:80 | 1:80 |
|  |  |  |

**URINE EXAMINATION REPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013382** | P. ID | **:** | **TG-40** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Halima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Urine R/M/E | | | | Specimen | | | **:** | Urine | | | |

|  |  |
| --- | --- |
| **Test** | **RESULT** |
| **PHYSICAL EXAMINATION** |  |
| QUANTITY | Sufficient |
| COLOR | Straw |
| APPEARANCE | Clear |
| SEDIMENT | Nil |
|  |  |
| **CHEMICAL EXAMINATION** |  |
| REACTION | Acidic |
| EXCESS OF PHOSPHATE | Nil |
| ALBUMIN | Nil |
| SUGAR | Nil |
|  |  |
| **MICROSCOPIC EXAMINATION** |  |
| PUS CELLS | 1-2 /HPF |
| RBC | Nil /HPF |
| EPITHELIAL CELLS | 0-2 /HPF |
| GRANULAR CAST | Nil /HPF |
| RBC CAST | Nil /HPF |
| HYALINE CAST | Nil/HPF |
|  |  |
| **CRYSTALS/OTHER EXAMINATIONS** |  |
| CALCIUM OXALATE | Nil |
| AMORPHOS PHOSPHATE | Nil |
| SULPHONAMIDE | Nil |
| YEAST CELLS | Nil /HPF |
| TRICHOMONUS VAGINALIS | Nil /HPF |
|  |  |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013383** | P. ID | **:** | **TG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Morium Begum | | | | Age | **:** | 53 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahammad Imtiaz Sultan MBBS (BCSH), MD (Rheumatology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | **14,000** | /L | 4,000–11,000/L |
| Neutrophil | 75 | % | 40 – 80 % |
| Lymphocyte | 20 | % | 20 – 40 % |
| Monocyte | 03 | % | 2 – 10 % |
| Eosinophil | 02 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 2,99,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 280 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 5.11 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 84.9 | fL | 81 – 101 fL |
| MCH | 27.8 | pg | 27 – 32 pg |
| MCHC | 32.7 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 43.4 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 14.2 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 20 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013383** | P. ID | **:** | **TG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Morium Begum | | | | Age | **:** | 53 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahammad Imtiaz Sultan MBBS (BCSH), MD (Rheumatology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CRP | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **NORMAL RANGE** |
| CRP | <6 | < 10 mg/L |
|  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013383** | P. ID | **:** | **TG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Morium Begum | | | | Age | **:** | 53 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahammad Imtiaz Sultan MBBS (BCSH), MD (Rheumatology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Uric Acid | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Uric Acid** | 2.88 | mg/dl | Male | : | 3.5 – 7.2 |
|  |  |  | Female | : | 2.6 – 6.0 |
|  |  |  |  | | |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013383** | P. ID | **:** | **TG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Morium Begum | | | | Age | **:** | 53 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahammad Imtiaz Sultan MBBS (BCSH), MD (Rheumatology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | RA | | | | Specimen | | | **:** | Serum | | | |

|  |  |
| --- | --- |
| **INVESTIGATION** | **RESULT** |
| RA | Negative |
|  |  |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013383** | P. ID | **:** | **TG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Morium Begum | | | | Age | **:** | 53 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahammad Imtiaz Sultan MBBS (BCSH), MD (Rheumatology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | 10.00 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Neotec France

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013384** | P. ID | **:** | **TG-55** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hosneara | | | | Age | **:** | 55 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Apollo Diagnostic Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Prothrombin Time | | | | Specimen | | | **:** | Plasma | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Prothrombin Time** | **Patient** | **:** |  | 14 Sec |
|  | **Control** | **:** |  | 12.0 Sec |
|  | **Ratio** | **:** |  | 1.16 |
|  | **Index** | **:** |  | 85 % |
|  | **INR** | **:** |  | 1.21 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013387** | P. ID | **:** | **TG2-79** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Momtaz | | | | Age | **:** | 42 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sreepur Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 16.53 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 0.51 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013388** | P. ID | **:** | **TG2-\*\*\*(VIP)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Taslima Khatun | | | | Age | **:** | 48 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Mawna City Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT3, FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT3** | 3.19 | pg/ml | 1.4 – 4.2 pg/ml |
|  |  |  |  |
| **FT4** | 14.87 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 0.46 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013389** | P. ID | **:** | **TG2-385** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Setu | | | | Age | **:** | 17 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Asia Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.08 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013390** | P. ID | **:** | **TG2-390** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rima | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Asia Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.10 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013391** | P. ID | **:** | **TG2-008** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mim | | | | Age | **:** | 15 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Selim General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013392** | P. ID | **:** | **TG2-30002** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Mizanur Rahman | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Mawna Specialized Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **420.35** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**BIOCHEMISTRY (IRON PROFILE)**

Tests were carried out by Accu-Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013393** | P. ID | **:** | **TG2-6534** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tanjina | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **People's Health Care & Digital Diagnostic Lab** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin, Iron, TIBC | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Serum Ferritin** | 3.17 | ng/ml | Male | : | 27 – 375 |
|  |  |  | Female | : | 12 – 135 |
| **Serum Iron** | 65.70 | μg/dl | New born | : | 100 – 250 |
|  |  |  | Infant | : | 40 – 100 |
|  |  |  | Children | : | 50 – 120 |
|  |  |  | Male | : | 65 – 175 |
|  |  |  | Female | : | 50-170 |
| **TIBC** | 329.80 | μg/dL |  |  | 250 – 400 |
| **UIBC** | 264.10 | μg/dL |  |  | 162 – 368 |
| **% Transferrin Saturation** | 19.92 | % |  |  | 15 – 50 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013394** | P. ID | **:** | **TG2-049** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rimi | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **SR. IBN Sina Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti-Thyroid PeroxydaseAntibody (Anti-TPO) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Thyroid Peroxydase Antibody** | 0.21 | IU/ml | Less than 34 IU/ml |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013394** | P. ID | **:** | **TG2-049** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rimi | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **SR. IBN Sina Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | LH, FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Luteinizing Hormone (LH)** | 7.49 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.0 – 10.5 | | **Female** |  |  | | Follicular Phase | : | 2.0 – 13.5 | | Ovulation Period | : | 14.0 – 96.0 | | Luteal Phase | : | 0.5 – 12.5 | | Menopause | : | 7.0 – 59.5 | |  |  |  | |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | 5.04 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 8.9 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013395** | P. ID | **:** | **TG2-000** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Romiza | | | | Age | **:** | 55 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 17.87 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013396** | P. ID | **:** | **TG2-903** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rehena | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Bir- E- Shifa Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 14.69 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013397** | P. ID | **:** | **TG2-917** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hafsa | | | | Age | **:** | 16 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Bir- E- Shifa Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | **9.06** | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**TUMOR MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013398** | P. ID | **:** | **TG2-30009** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Afsana | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Mawna Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Beta hCG | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Beta hCG** | 0.05 | mIU/ml | **Male** | : | 0 – 4 | mIU/ml |
|  |  |  | **Female** | : | 0 – 5 | mIU/ml |
|  |  |  | **Pregnant Woman** | | | |
|  |  |  | 3 – 4 | Weeks | 9 – 130 | mIU/ml |
|  |  |  | 4 – 5 | Weeks | 75 – 2600 | mIU/ml |
|  |  |  | 5 – 6 | Weeks | 850 – 20800 | mIU/ml |
|  |  |  | 6 – 7 | Weeks | 4000 – 100200 | mIU/ml |
|  |  |  | 7 – 12 | Weeks | 11500 – 289000 | mIU/ml |
|  |  |  | 12 – 16 | Weeks | 18300 – 137000 | mIU/ml |
|  |  |  | 16 – 29 | Weeks | 14000 – 53000 | mIU/ml |
|  |  |  |  |  | (2nd Trimester) |  |
|  |  |  | 29 – 41 | Weeks | 940 – 60000 | mIU/ml |
|  |  |  |  |  | (3rd Trimester) |  |
|  |  |  |  | | | |

**HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013399** | P. ID | **:** | **TG2-629** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tania | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Mawna Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Cortisol | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **CORTISOL** | 2.62 | μg/dl | |  |  |  | | --- | --- | --- | | **Adult** |  |  | | Morning | : | 5 – 23 | | Evening | : | 3 – 13 | | **Child** |  |  | | Morning | : | 3 – 21 | | Evening | : | 3 – 10 | | Newborn | : | 1 – 24 | |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013400** | P. ID | **:** | **TG2-1646** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sumon | | | | Age | **:** | 26 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Masterbari Popular Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Serum Lipase | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Lipase** | 45.90 | U/L | 5 - 60 U/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013401** | P. ID | **:** | **TG2-602** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Raiyan | | | | Age | **:** | 2 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Care Diagnostic** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Alkaline Phosphatase | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Alkaline Phosphatase** | **1607.5** | U/L | Adult | : | 98 – 279 |  |
|  |  |  | Upto 15 yrs | : | Upto 645 | U/L |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by Accu- Bind (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013402** | P. ID | **:** | **TG2-0446** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Abul Hasan | | | | Age | **:** | 36 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Care Aid Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Troponin – I | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Troponin – I** | <0.01 | ng/ml |  |  | < 0.10 ng/ml |
|  |  |  |  | | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013403** | P. ID | **:** | **TG2-929** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nusrat Jahan | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Bir- E- Shifa Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – Mullerian Hormone (AMH) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Anti – Mullerian Hormone** | 3.37 | ng/mL | |  |  |  | | --- | --- | --- | | **Female** |  |  | | 20 – 24 Y | : | 1.35 – 10.92 | | 25 – 29 Y | : | 0.93 – 8.89 | | 30 – 34 Y | : | 0.55 – 8.41 | | 35 – 39 Y | : | 0.19 – 7.04 | | 40 – 44 Y | : | <0.10 – 5.09 | | 45 – 50 Y | : | <0.10 – 3.13 | | **Male** | : | 0.82 – 13.65 | |  |  |  | |

**STOOL EXAMINATION REPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013404** | P. ID | **:** | **TG2-30006** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Mosharaf Hossen | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Al-Razi Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Stool for R/M/E | | | | Specimen | | | **:** | Stool | | | |

|  |  |
| --- | --- |
| **Test** | **RESULT** |
| **PHYSICAL EXAMINATION** |  |
| Amount | Sufficient |
| Consistency | Solid |
| Color | Yellow |
| Mucus | Nil |
| Blood | Nil |
|  |  |
| **CHEMICAL EXAMINATION** |  |
| Reaction | Alkaline |
| Occult Blood Test | Not done |
| Reducing Substance | Nil |
|  |  |
| **MICROSCOPIC EXAMINATION** |  |
| R.B.C | Nil /HPF |
| Pus cells | 2-3 /HPF |
| Macrophages | Nil/HPF |
| Epithelial Cells | 1-2/HPF |
| Protozoa of | Nil |
| Cysts of | Nil |
| Larva of | Nil |
| Ova Count | Nil |
| Vegetable Cells | Nil/HPF |
| **Yeast Cells** | **(+)/HPF** |
| **Starch** | **(+) /HPF** |
| Muscle Fibers | Nil /HPF |
| Fat Globules | Nil/HPF |
| Fat drop | Nil /HPF |
|  |  |

**SEROLOGICAL TEST**

Tests were carried out by using Biolab (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013405** | P. ID | **:** | **TG2-279** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Mukta | | | | Age | **:** | 42 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Selim General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Triple Antigen | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **TRIPLE ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| Proteus OX2 | 1:80 | 1:80 |
| Proteus OX19 | 1:80 | 1:80 |
| Proteus OXK | 1:80 | 1:80 |
| BrucellaAbortus | 1:80 | 1:80 |
| BrucellaMelitensis | 1:80 | 1:80 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **WIDAL ANTIGEN** | **RESULT** | **NORMAL RANGE** |
| TO | 1:80 | 1:80 |
| TH | 1:80 | 1:80 |
| AH | 1:80 | 1:80 |
| BH | 1:80 | 1:80 |
| AO | 1:80 | 1:80 |
| BO | 1:80 | 1:80 |
|  |  |  |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013417** | P. ID | **:** | **TG3-6185** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ful Mia | | | | Age | **:** | 41 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Ziaur Rahman MBBS** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **595.87** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013418** | P. ID | **:** | **TG3-024** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Halima | | | | Age | **:** | 26 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **MOSH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **160.15** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013419** | P. ID | **:** | **TG3-179** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mizanur Rahman | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | SGPT, Urea | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **SGPT (ALT)** | 23.60 | U/L | Male – Upto 40 U/L |
|  |  |  | Female – Upto 32 U/L |
| **Urea** | 21.43 | mg/dl | 10 – 50 mg/dl |

**SEROLOGICAL TEST**

Tests were carried out by using SD (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013419** | P. ID | **:** | **TG3-179** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mizanur Rahman | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | ICT for HCV | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| ICT for HCV | : | Negative |
|  |  |  |

**SEROLOGICAL TEST**

Tests were carried out by using SD (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013419** | P. ID | **:** | **TG3-179** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mizanur Rahman | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | ICT for HIV | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| ICT for HIV | : | Negative |
|  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013420** | P. ID | **:** | **TG3-025** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rina | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **MOSH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 22.46 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**SEROLOGICAL TEST**

Tests were carried out by using SD (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013423** | P. ID | **:** | **TG4-30034** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hanif | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Rokeya General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | ICT for Kala Azar | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| ICT for Kala Azar | : | Negative |
|  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013424** | P. ID | **:** | **TG4-29843** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Reshma | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Patient Point Diagnostic Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.15 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013425** | P. ID | **:** | **TG4-4716** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Aklima Akter | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Ma O Shishu Diagnostic Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.32 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013426** | P. ID | **:** | **TG4-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Yasmin | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Green life D.C** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 4.85 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013426** | P. ID | **:** | **TG4-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Yasmin | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Green life D.C** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Ca++ | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. Ca++** | 10.24 | mg/dl | Newborn | : | 8 – 13 | mg/dl |
|  |  |  | Adult | : | 8.5 – 10.5 | mg/dl |
|  |  |  | Child | **:** | 10 – 12 | mg/dl |
|  |  |  |  | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013427** | P. ID | **:** | **TG4-98409** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ritu | | | | Age | **:** | 21 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Health Care Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.53 | ng/ml | 0.8 – 1.9 ng/ml |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013427** | P. ID | **:** | **TG4-98409** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ritu | | | | Age | **:** | 21 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Health Care Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 11.80 | pmol/L | 8.5 – 22.5 pmol/L |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013428** | P. ID | **:** | **TG4-05** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Noha | | | | Age | **:** | 13 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.85 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013429** | P. ID | **:** | **TG4-23** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahinur | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.10 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013430** | P. ID | **:** | **TG4-27** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sakib Hasan Milon | | | | Age | **:** | 21 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.39 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013431** | P. ID | **:** | **TG4-30** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mysha | | | | Age | **:** | 19 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.98 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013432** | P. ID | **:** | **TG4-25** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Riya | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.37 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013433** | P. ID | **:** | **TG4-20** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mayna | | | | Age | **:** | 19 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.42 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013434** | P. ID | **:** | **TG4-98428** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hazrot Ali | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Health Care Diagnostic Centre** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Prolactin, Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Prolactin** | **20.15** | ng/mL | |  |  |  | | --- | --- | --- | | Male | : | 2.3 – 17.5 | | Female | : | 2.9 – 25.8 | |  |  |  | |
|  |  |  |  |
| **Serum Testosterone** | 5.89 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013435** | P. ID | **:** | **TG4-05** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shabana | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Green life D.C** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **985.42** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013436** | P. ID | **:** | **TG4-340** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nipu | | | | Age | **:** | 14 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.21 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013436** | P. ID | **:** | **TG4-340** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nipu | | | | Age | **:** | 14 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **805.93** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013437** | P. ID | **:** | **TG4-25876** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nazma | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **NDIGH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **280.93** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013438** | P. ID | **:** | **TG4-344** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Julekha | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **605.19** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013439** | P. ID | **:** | **TG4-25877** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rana | | | | Age | **:** | 11 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **NDIGH** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **425.37** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013440** | P. ID | **:** | **TG4-07** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Monika | | | | Age | **:** | 16 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **625.07** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013441** | P. ID | **:** | **TG4-345** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tonmoy | | | | Age | **:** | 6 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013442** | P. ID | **:** | **TG4-343** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rafi | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **1509.89** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013443** | P. ID | **:** | **TG4-338** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hosain | | | | Age | **:** | 4 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Gazipur Popular Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013444** | P. ID | **:** | **TG4-25868** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahjahan | | | | Age | **:** | 26 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **NDIGH** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 140.8 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 3.9 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 104.3 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 24.1 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by BioLabo(France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013445** | P. ID | **:** | **TG4-98418** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Helena Begum | | | | Age | **:** | 54 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Health Care Diagnostic Centre** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | HbA1c | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **HbA1c** | 5.58 | % | < 6.5 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013446** | P. ID | **:** | **TG4-02** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mizanur Rahman | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Green life D.C** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Ca++ | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. Ca++** | 7.84 | mg/dl | Newborn | : | 8 – 13 | mg/dl |
|  |  |  | Adult | : | 8.5 – 10.5 | mg/dl |
|  |  |  | Child | **:** | 10 – 12 | mg/dl |
|  |  |  |  | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013448** | P. ID | **:** | **SD-2557(Seba)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mst. Samia | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Chironjit Haldar MBBS, PGT (Medicine)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.58 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013449** | P. ID | **:** | **SD-25021101** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rasheda | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **AGH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT3 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT3** | 2.50 | pg/ml | 1.4 – 4.2 pg/ml |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013450** | P. ID | **:** | **SD-1765(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rajib | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | 7,400 | /L | 4,000–11,000/L |
| Neutrophil | 60 | % | 40 – 80 % |
| Lymphocyte | 30 | % | 20 – 40 % |
| Monocyte | 07 | % | 2 – 10 % |
| Eosinophil | 03 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 2,36,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 222 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 5.27 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 87.5 | fL | 81 – 101 fL |
| MCH | 28.5 | pg | 27 – 32 pg |
| MCHC | 32.5 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 46.1 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 15.0 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 05 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013450** | P. ID | **:** | **SD-1765(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rajib | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | FT3, FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT3** | 3.14 | pg/ml | 1.4 – 4.2 pg/ml |
|  |  |  |  |
| **FT4** | 14.62 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 2.17 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013450** | P. ID | **:** | **SD-1765(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rajib | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 141.1 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 5.9 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 105.8 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 25.2 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**URINE EXAMINATION REPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013450** | P. ID | **:** | **SD-1765(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rajib | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Urine R/M/E | | | | Specimen | | | **:** | Urine | | | |

|  |  |
| --- | --- |
| **Test** | **RESULT** |
| **PHYSICAL EXAMINATION** |  |
| QUANTITY | Sufficient |
| COLOR | Straw |
| APPEARANCE | Clear |
| SEDIMENT | Nil |
|  |  |
| **CHEMICAL EXAMINATION** |  |
| REACTION | Acidic |
| EXCESS OF PHOSPHATE | Nil |
| ALBUMIN | Nil |
| SUGAR | Nil |
|  |  |
| **MICROSCOPIC EXAMINATION** |  |
| PUS CELLS | 0-2 /HPF |
| RBC | Nil /HPF |
| EPITHELIAL CELLS | 1-2 /HPF |
| GRANULAR CAST | Nil /HPF |
| RBC CAST | Nil /HPF |
| HYALINE CAST | Nil/HPF |
|  |  |
| **CRYSTALS/OTHER EXAMINATIONS** |  |
| CALCIUM OXALATE | Nil |
| AMORPHOS PHOSPHATE | Nil |
| SULPHONAMIDE | Nil |
| YEAST CELLS | Nil /HPF |
| TRICHOMONUS VAGINALIS | Nil /HPF |
|  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013451** | P. ID | **:** | **SD-1763(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Lakhan Sarkar | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.84 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013451** | P. ID | **:** | **SD-1763(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Lakhan Sarkar | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Azizur Rahman MBBS, D-Card, CCD, PGT (M)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **225.92** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013452** | P. ID | **:** | **SD-211** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Afroza | | | | Age | **:** | 32 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sikder Consultation Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | 6,900 | /L | 4,000–11,000/L |
| Neutrophil | 61 | % | 40 – 80 % |
| Lymphocyte | 35 | % | 20 – 40 % |
| Monocyte | 02 | % | 2 – 10 % |
| Eosinophil | 02 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 2,30,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 138 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 3.94 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 94.2 | fL | 81 – 101 fL |
| MCH | 30.5 | pg | 27 – 32 pg |
| MCHC | 32.3 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 37.1 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 12.0 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 10 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013452** | P. ID | **:** | **SD-211** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Afroza | | | | Age | **:** | 32 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sikder Consultation Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | 95.69 | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**TUMOR MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013453** | P. ID | **:** | **SD-28077** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Rabeya | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sheba Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Beta hCG | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Beta hCG** | 0.58 | mIU/ml | **Male** | : | 0 – 4 | mIU/ml |
|  |  |  | **Female** | : | 0 – 5 | mIU/ml |
|  |  |  | **Pregnant Woman** | | | |
|  |  |  | 3 – 4 | Weeks | 9 – 130 | mIU/ml |
|  |  |  | 4 – 5 | Weeks | 75 – 2600 | mIU/ml |
|  |  |  | 5 – 6 | Weeks | 850 – 20800 | mIU/ml |
|  |  |  | 6 – 7 | Weeks | 4000 – 100200 | mIU/ml |
|  |  |  | 7 – 12 | Weeks | 11500 – 289000 | mIU/ml |
|  |  |  | 12 – 16 | Weeks | 18300 – 137000 | mIU/ml |
|  |  |  | 16 – 29 | Weeks | 14000 – 53000 | mIU/ml |
|  |  |  |  |  | (2nd Trimester) |  |
|  |  |  | 29 – 41 | Weeks | 940 – 60000 | mIU/ml |
|  |  |  |  |  | (3rd Trimester) |  |
|  |  |  |  | | | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013454** | P. ID | **:** | **SD-28074** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Fatema | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sheba Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CA – 125 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **CA – 125** | 25.07 | U/ml | < 35 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013455** | P. ID | **:** | **SD-28053** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Khukhu Moni | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sheba Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | SGPT | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **SGPT (ALT)** | 15.07 | U/L | Male – Upto 40 U/L |
|  |  |  | Female – Upto 32 U/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013456** | P. ID | **:** | **SD-28059** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Kakoli | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sheba Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | SGPT | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **SGPT (ALT)** | 24.28 | U/L | Male – Upto 40 U/L |
|  |  |  | Female – Upto 32 U/L |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013457** | P. ID | **:** | **SD-28057** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sukh Moni | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sheba Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | SGPT | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **SGPT (ALT)** | 13.67 | U/L | Male – Upto 40 U/L |
|  |  |  | Female – Upto 32 U/L |
|  |  |  |  |

**HEMATOLOGY REPORT**

**Estimations were carried out by “SPIN-REACT” Analyzer & Verified manually**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013458** | P. ID | **:** | **SD-1768(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sohana | | | | Age | **:** | 06 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Milton** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CBC | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test** | **Result** | **Unit** | **Normal Range** |
| **White Blood Cells (WBCs)** |  |  |  |
| White Blood Cells (Total) | **11,500** | /L | 4,000–11,000/L |
| Neutrophil | 42 | % | 40 – 80 % |
| Lymphocyte | 50 | % | 20 – 40 % |
| Monocyte | 05 | % | 2 – 10 % |
| Eosinophil | 03 | % | 1 – 6 % |
| Basophil | 00 | % | 0 – 1 % |
| **Platelet Count** | 3,23,000 | /cmm | 1,50,000-4,50,000/cmm |
| Total Cir. Eosinophil | 345 | /cu. mm. | Up to 500/cu. mm. |
| **Red Blood Cells (RBCs)** |  |  |  |
| Red Blood Cells | 4.33 | million/L | Male: 4.5–5.5 million/L |
| Female: 3.8–4.8 million/L |
| MCV | 86.1 | fL | 81 – 101 fL |
| MCH | 28.4 | pg | 27 – 32 pg |
| MCHC | 33.0 | g/dL | 31.5–34.5 g/dL |
| HCT/PCV | 37.3 | % | Male: 40 – 50 % |
| Female: 36–45 % |
| **Hemoglobin** | 12.3 | g/dL | Male: 13.0 – 18.0 g/dL |
| Female: 12.0 – 16.0 g/dL |
| **ESR\*** | 15 | mm in 1st 24 min (Wintrobe) | Male: 0 – 10 mm in 1st hr. |
| Female: 0 – 20 mm in 1st hr. |

**URINE EXAMINATION REPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013458** | P. ID | **:** | **SD-1768(DDC)** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sohana | | | | Age | **:** | 06 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Milton** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Urine R/M/E | | | | Specimen | | | **:** | Urine | | | |

|  |  |
| --- | --- |
| **Test** | **RESULT** |
| **PHYSICAL EXAMINATION** |  |
| QUANTITY | Sufficient |
| COLOR | Straw |
| APPEARANCE | Clear |
| SEDIMENT | Nil |
|  |  |
| **CHEMICAL EXAMINATION** |  |
| REACTION | Acidic |
| EXCESS OF PHOSPHATE | Nil |
| ALBUMIN | Nil |
| SUGAR | Nil |
|  |  |
| **MICROSCOPIC EXAMINATION** |  |
| PUS CELLS | 0-2 /HPF |
| RBC | Nil /HPF |
| EPITHELIAL CELLS | 1-2 /HPF |
| GRANULAR CAST | Nil /HPF |
| RBC CAST | Nil /HPF |
| HYALINE CAST | Nil/HPF |
|  |  |
| **CRYSTALS/OTHER EXAMINATIONS** |  |
| CALCIUM OXALATE | Nil |
| AMORPHOS PHOSPHATE | Nil |
| SULPHONAMIDE | Nil |
| YEAST CELLS | Nil /HPF |
| TRICHOMONUS VAGINALIS | Nil /HPF |
|  |  |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013463** | P. ID | **:** | **SD-34232** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nurma | | | | Age | **:** | 48 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prottasha Health Care Ltd.** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 138.3 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 3.6 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 102.2 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 23.9 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **031468** | P. ID | **:** | **SD2-25020391** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ismotara | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Kuhu Mutshusdhi MBBS, DGO, FCPS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.10 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013469** | P. ID | **:** | **SD2-25020389** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mitu | | | | Age | **:** | 33 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Kuhu Mutshusdhi MBBS, DGO, FCPS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.47 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013470** | P. ID | **:** | **SD2-25020394** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Julekha | | | | Age | **:** | 16 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Kuhu Mutshusdhi MBBS, DGO, FCPS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | **9.01** | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013471** | P. ID | **:** | **SD2-55307** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahnaz | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Nahida Sultana MBBS, PGT, CMU, DMU** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.76 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**REPRODUCTIVEHORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013471** | P. ID | **:** | **SD2-55307** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahnaz | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Nahida Sultana MBBS, PGT, CMU, DMU** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Prolactin | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Prolactin** | **35.95** | ng/ml | |  |  |  | | --- | --- | --- | | Male | : | 2.3 – 17.5 | | Female | : | 2.9 – 25.8 | |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013472** | P. ID | **:** | **SD2-55316** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sathi Khatun | | | | Age | **:** | 20 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Nahida Sultana MBBS, PGT, CMU, DMU** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3, T4, TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.59 | ng/ml | 0.8 – 1.9 ng/ml |
|  |  |  |  |
| **T4** | 9.40 | μg/dL | Cord blood: 7.4 to 13.0  **Children:**  1 to 3 days: 11.8 to 22.6  1 to 2 wk: 9.8 to 16.6  1 to 4 mo: 7.2 to 14.4  4 to 12 mo: 7.8 to 16.5  1 to 5 y: 7.3 to 15.0  5 to 10 y: 6.4 to 13.3  10 to 15 y: 5.6 to 11.7  **Adults (15 to 60 y):**  **Men**: 4.87-11.72  **Women**: 5.5 to 11.0  >60 y: 5.0 to 10.7 |
|  |  |  |  |
| **TSH** | **0.16** | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013473** | P. ID | **:** | **SD2-55334** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Muazzem | | | | Age | **:** | 24 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Esarat Ali MBBS, DDV, MD** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **190.91** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013474** | P. ID | **:** | **SD2-55315** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Josna | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Nahida Sultana MBBS, PGT, CMU, DMU** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013475** | P. ID | **:** | **SD2-9036** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mitu | | | | Age | **:** | 15 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahmuda Akter MBBS (DU), CMU (Ultra), PGT** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

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| L.Id no. | **:** | **013476** | P. ID | **:** | **SD2-55331** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rumanna | | | | Age | **:** | 21 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Esarat Ali MBBS, DDV, MD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013477** | P. ID | **:** | **SD2-55338** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Obaidul | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Esarat Ali MBBS, DDV, MD** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 6.47 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

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| L.Id no. | **:** | **013478** | P. ID | **:** | **SD2-2700** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Shorifa | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Mirzapur Modern Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – Mullerian Hormone (AMH) | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Anti – Mullerian Hormone** | 2.61 | ng/mL | |  |  |  | | --- | --- | --- | | **Female** |  |  | | 20 – 24 Y | : | 1.35 – 10.92 | | 25 – 29 Y | : | 0.93 – 8.89 | | 30 – 34 Y | : | 0.55 – 8.41 | | 35 – 39 Y | : | 0.19 – 7.04 | | 40 – 44 Y | : | <0.10 – 5.09 | | 45 – 50 Y | : | <0.10 – 3.13 | | **Male** | : | 0.82 – 13.65 | |  |  |  | |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

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| L.Id no. | **:** | **013479** | P. ID | **:** | **SD2-9018** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Rabiul | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 137.0 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 4.5 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 100.4 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 24.3 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013484** | P. ID | **:** | **SD2-3039** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Sima | | | | Age | **:** | 31 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | **14.13** | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013485** | P. ID | **:** | **SD2-2979** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Alo Khatun | | | | Age | **:** | 55 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.56 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013486** | P. ID | **:** | **SD2-004** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Iqbal Hossain | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.90 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013487** | P. ID | **:** | **SD2-0075** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Surma | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.78 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| L.Id no. | **:** | **013487** | P. ID | **:** | **SD2-0075** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Surma | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Lipase | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Lipase** | 49.10 | U/L | 5 - 60 U/L |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013488** | P. ID | **:** | **SD2-0085** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahanaz | | | | Age | **:** | 32 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 12.40 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 3.21 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013489** | P. ID | **:** | **SD2-0081** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sumi Akhter | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 15.00 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 2.77 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013490** | P. ID | **:** | **SD2-3103** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rabeya | | | | Age | **:** | 13 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.20 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013490** | P. ID | **:** | **SD2-3103** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rabeya | | | | Age | **:** | 13 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | LH, FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Luteinizing Hormone (LH)** | **<0.2** | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.0 – 10.5 | | **Female** |  |  | | Follicular Phase | : | 2.0 – 13.5 | | Ovulation Period | : | 14.0 – 96.0 | | Luteal Phase | : | 0.5 – 12.5 | | Menopause | : | 7.0 – 59.5 | |  |  |  | |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | **0.94** | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 8.9 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**REPRODUCTIVEHORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013490** | P. ID | **:** | **SD2-3103** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rabeya | | | | Age | **:** | 13 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Prolactin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Prolactin** | **31.00** | ng/ml | |  |  |  | | --- | --- | --- | | Male | : | 2.3 – 17.5 | | Female | : | 2.9 – 25.8 | |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013491** | P. ID | **:** | **SD2-3040** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Taskin Jannat | | | | Age | **:** | 24 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.25 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**REPRODUCTIVEHORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013491** | P. ID | **:** | **SD2-3040** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Taskin Jannat | | | | Age | **:** | 24 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Prolactin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Prolactin** | 23.23 | ng/ml | |  |  |  | | --- | --- | --- | | Male | : | 2.3 – 17.5 | | Female | : | 2.9 – 25.8 | |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013492** | P. ID | **:** | **SD2-0044** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Ibrahim | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **A.H.H** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Serum Amylase | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Amylase** | 91.61 | U/L | Up to 100 U/L |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013493** | P. ID | **:** | **MHR-10** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shihab | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Rokonuzzaman MBBS (RMC), FCPS (Part-2), Skin and VD, CCGP** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | FT4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 13.80 | pmol/L | 8.5 – 22.5 pmol/L |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013494** | P. ID | **:** | **MHR-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Beby | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Rokonuzzaman MBBS (RMC), FCPS (Part-2), Skin and VD, CCGP** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4 | | | | Specimen | | | **:** | Serum | | | |

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| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 10.96 | pmol/L | 8.5 – 22.5 pmol/L |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013495** | P. ID | **:** | **MHR-1228** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Alif | | | | Age | **:** | 01.10 M | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Asst. Prof. Dr. Md. Obaidul Islam Polash MBBS, DCH (Child), BCS (H), Post Graduate In Pediatric** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | FT4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 14.74 | pmol/L | 8.5 – 22.5 pmol/L |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013496** | P. ID | **:** | **MHR-712** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Selina | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Mahamudur Rahman Shimul MBBS (D), BCS (H), FCPS (General Surgery), MS (Cardiolovasculan and Thoreacic surgery)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 12.66 | pmol/L | 8.5 – 22.5 pmol/L |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013497** | P. ID | **:** | **MHR-772** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sajina | | | | Age | **:** | 34 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mehedi Hassan MBBS, BCS (H), CMU (Ultra)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

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| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 11.00 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 6.03 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013498** | P. ID | **:** | **MHR-1391** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mst. Sukhtara | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Toufik Ahammed MBBS (SSMC), BCS (H), FCPS (M), Final Part MD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 4.49 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013499** | P. ID | **:** | **MHR-775** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shompa Das | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** |  | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 5.22 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013500** | P. ID | **:** | **MHR-778** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mst. Sokiron | | | | Age | **:** | 60 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Toufik Ahammed MBBS (SSMC), BCS (H), FCPS (M), Final Part MD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.39 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013501** | P. ID | **:** | **MHR-714** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rezina | | | | Age | **:** | 65 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Mahamudur Rahman Shimul MBBS (D), BCS (H), FCPS (General Surgery), MS (Cardiolovasculan and Thoreacic surgery)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 15.75 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 0.68 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013502** | P. ID | **:** | **MHR-\*\*** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mariom | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahabubul Hasan Mehedi MBBS, BCS (H), MS - Urology (Phase- B)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.68 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013503** | P. ID | **:** | **MHR-1396** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Fahima Khatun | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Toufik Ahammed MBBS (SSMC), BCS (H), FCPS (M), Final Part MD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.05 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013504** | P. ID | **:** | **MHR-713** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sumi | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Mahamudur Rahman Shimul MBBS (D), BCS (H), FCPS (General Surgery), MS (Cardiolovasculan and Thoreacic surgery)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 13.92 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 1.20 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013505** | P. ID | **:** | **MHR-\*** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hasan Raihan | | | | Age | **:** | 03 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Lipu Sultan (SACMO)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013506** | P. ID | **:** | **MHR-779** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Tarikul | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Toufik Ahammed MBBS (SSMC), BCS (H), FCPS (M), Final Part MD** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**BIOCHEMISTRY**

Tests were carried out by Accu- Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013507** | P. ID | **:** | **MHR-1408** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mst. Roza | | | | Age | **:** | 18 M | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Sezunty Mehtaz MBBS, BCS (H), Medical Officer, 250 Bedded General Hospital, Meherpur** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Serum Ferritin** | 52.01 | ng/ml | Male | : | 27 – 375 | ng/ml |
|  |  |  | Female | : | 12 – 135 | ng/ml |
|  |  |  |  | | | |

**BIOCHEMISTRY**

Tests were carried out by Accu- Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013508** | P. ID | **:** | **MHR-010301** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shima Khatun | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Moklesur Rahman (Polash) MBBS, BCS (H), CCD (Birdem), DOC, M.Phil** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Serum Ferritin** | 74.06 | ng/ml | Male | : | 27 – 375 | ng/ml |
|  |  |  | Female | : | 12 – 135 | ng/ml |
|  |  |  |  | | | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013509** | P. ID | **:** | **MHR-010323** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Saddam Hossain | | | | Age | **:** | 32 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Moklesur Rahman (Polash) MBBS, BCS (H), CCD (Birdem), DOC, M.Phil** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 5.37 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013510** | P. ID | **:** | **MHR-780** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mst. Sadia | | | | Age | **:** | 34 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Toufik Ahammed MBBS (SSMC), BCS (H), FCPS (M), Final Part MD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | 10.02 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013511** | P. ID | **:** | **MHR-16** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hafiza | | | | Age | **:** | 61 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Sarkar** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Total Protein | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Protein (Total)** | 9.99 | g/dl | New born | : | 4.6 – 7.0 | | g/dl |
|  |  |  | Children / Adult | : | 6.6 – 8.7 | g/dl | |
|  |  |  |  | | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013518** | P. ID | **:** | **Feni-32** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Bibi Sayera | | | | Age | **:** | 19 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.91 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013519** | P. ID | **:** | **Feni-37** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Jannatul Ferdous | | | | Age | **:** | 60 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 4.74 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013520** | P. ID | **:** | **Feni-06** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Jannatul Naim | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 4.82 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013521** | P. ID | **:** | **Feni-24** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Namira Binte Afser | | | | Age | **:** | 12 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 16.20 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 0.99 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013522** | P. ID | **:** | **Feni-33** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Fahim | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013523** | P. ID | **:** | **Feni-14** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ayesha Akter | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Sonagazi Clinic** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013524** | P. ID | **:** | **Feni-25686** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tamanna | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Imperial Neuro Care & Diagnostic Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CA – 125 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **CA – 125** | 25.89 | U/ml | < 35 |
|  |  |  |  |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013525** | P. ID | **:** | **Feni-25676** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sahena Akter | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Imperial Neuro Care & Diagnostic Center** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | ACPA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ACPA** | 8.02 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**AUTOIMMUNE MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013526** | P. ID | **:** | **Feni-1526** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Farabi | | | | Age | **:** | 11 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Janota X-Ray & Pathology Laboratory** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | C3 | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **C3** | 0.98 | g/L | 0.90 – 1.80 |
|  |  |  |  |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013532** | P. ID | **:** | **A.Bazar-1448** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ms. Taijun Nesa | | | | Age | **:** | 68 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Lab 4 General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 146.5 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 4.1 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 105.9 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 24.8 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013533** | P. ID | **:** | **KS-28** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Ripon | | | | Age | **:** | 33 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Asma Jahan Liza MBBS,PGT(G&O)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 4.90 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013534** | P. ID | **:** | **KS-38** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Happy Khatun | | | | Age | **:** | 27 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. A.F.M. Aminul Haque Ratan MBBS, DIH, M.Phil, PHD** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 0.24 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013535** | P. ID | **:** | **KS-30** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Aleya | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Ad-din Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | 10.18 | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**AUTOIMMUNE MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013535** | P. ID | **:** | **KS-30** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Aleya | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Ad-din Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | ANA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | | **REFERENCE RANGE** | |
| **ANA** | 0.24 | | < 0.9 | Negative |
|  |  | | 0.9 – 1.1 | Borderline |
|  |  | | > 1.1 | Positive |
|  |  |  |  | |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013536** | P. ID | **:** | **KS-791** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Moriom Khatun | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | HBsAg(ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.110 |
| Patient serum (OD) | **:** | **3.05** |
| Interpretation | **:** | **Positive** |
|  |  | (If patient OD is less then cut off Value, then the test is negative) |
|  |  | (If patient OD is greater then cut off Value, then the test is positive) |
|  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013536** | P. ID | **:** | **KS-791** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Moriom Khatun | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | HbeAg (ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.105 |
| Patient serum (OD) | **:** | 0.021 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is negative) |
|  |  | (If patient OD is greater then cut off value, then the test is positive) |
|  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013536** | P. ID | **:** | **KS-791** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Moriom Khatun | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – HBc (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.800 |
| Patient serum (OD) | **:** | **0.014** |
| Interpretation | **:** | **Positive** |
|  |  | (If patient OD is less then cut off value, then the test is Positive) |
|  |  | (If patient OD is greater then cut off value, then the test is Negative) |
|  |  |  |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013536** | P. ID | **:** | **KS-791** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Moriom Khatun | | | | Age | **:** | 28 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti - HCV(ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.150 |
| Patient serum (OD) | **:** | 0.053 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is negative) |
|  |  | (If patient OD is greater then cut off value, then the test is positive) |
|  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013540** | P. ID | **:** | **HCU-5923** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Fatema | | | | Age | **:** | Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Healthcare Urology & General Hospital Ltd.** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.43 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY TEST**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013541** | P. ID | **:** | **VEH-250301025** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Abu Nayem | | | | Age | **:** | 31 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Vision Eye Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Anti – HSV1 IgM/IgG | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| **Anti – HSV 1 IgM** | | |
| Cut off Value | **:** | 0.150 |
| Patient serum (OD) | **:** | 0.005 |
| Interpretation | **:** | Negative |
| **Anti – HSV 1 IgG** | | |
| Cut off Value | **:** | 0.150 |
| Patient serum (OD) | **:** | 0.008 |
| Interpretation | **:** | Negative |
|  |  |  |

**IMMUNOLOGY TEST (HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013542** | P. ID | **:** | **MS-38** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Tua Moni | | | | Age | **:** | 18 M | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Ashesh Kumar Roy MBBS, BCS (H), DCH (DMC) MMCH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – HBs | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** | **UNIT** | **NORMAL RANGE** |
| **Anti – HBs** | **:** | **180.01** | mIU/ml | Immunity presents against HBV infection: >10 mIU/ml |
|  |  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013543** | P. ID | **:** | **MS-38** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Babu Mia | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Asst. Prof. Dr. Goutam Saha MBBS, BCS (H), FCPS (M F.P), MD (Neuromedicine), (M & Hearology)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Ca++ | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. Ca++** | 12.23 | mg/dl | Newborn | : | 8 – 13 | mg/dl |
|  |  |  | Adult | : | 8.5 – 10.5 | mg/dl |
|  |  |  | Child | **:** | 10 – 12 | mg/dl |
|  |  |  |  | | | |

**IMMUNOLOGY REPORT**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013544/IBN-D1183715** | P. ID | **:** | **MS-999** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Omit Hasan | | | | Age | **:** | 12 Y | | | D. Date | **:** | 03/03/25 |
| Ref. By | **:** | **Dr. Shakhawat Hossain (Sujon) MBBS (MMC), BCS (H), FCPS (M), CCD (Birdem), Consultant of (M), MMCH** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Growth Hormone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Growth Hormone** | 7.06 | ng/mL | |  |  |  | | --- | --- | --- | | Men | : | < 5 | | Women | : | < 10 | | Newborn | : | 5 – 23 | |  |  |  | |

**BIOCHEMISTRY**

Tests were carried out by Accu- Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013552** | P. ID | **:** | **Bhola-25020418** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Bibi Amina | | | | Age | **:** | 1.1 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Sahana Khanam MBBS (CMC), BCS (H), PGT (Child)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **Serum Ferritin** | 17.33 | ng/ml | Male | : | 27 – 375 | ng/ml |
|  |  |  | Female | : | 12 – 135 | ng/ml |
|  |  |  |  | | | |

**SEROLOGICAL TEST**

Tests were carried out by using SD (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013553** | P. ID | **:** | **Bhola-25020380** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Putul Rani | | | | Age | **:** | 36 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Shariful Islam (Sharif) MBBS, BCS (H), D-Ortho** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | CFT for Filaria | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| CFT for Filaria | : | Negative |
|  |  |  |

**BIOCHEMISTRY (IRON PROFILE)**

Tests were carried out by Accu-Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013553** | P. ID | **:** | **Bhola-25020380** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Putul Rani | | | | Age | **:** | 36 Y | | | D. Date | **:** | 06/03/25 |
| Ref. By | **:** | **Dr. Md. Shariful Islam (Sharif) MBBS, BCS (H), D-Ortho** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Serum Ferritin** | 98.22 | ng/ml | Male | : | 27 – 375 |
|  |  |  | Female | : | 12 – 135 |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013554/CRL-25003063** | P. ID | **:** | **Bhola-25021397** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Liza | | | | Age | **:** | 19 Y | | | D. Date | **:** | 03/03/25 |
| Ref. By | **:** | **Dr. Foysal Ahmed MBBS, BCS (H), FCPS (G & O)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – Cardiolipin Antibody – IgG, IgM | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Anti – Cardiolipin – AbIgG** | 5.9 | GPL U/mL | ≤ 40.0 GPL U/mL |
| **Anti – Cardiolipin – AbIgM** | 2.3 | GPL U/mL | ≤ 40.0 GPL U/mL |
|  |  |  |  |

**AUTOIMMUNE MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013554/IBN-D1185208** | P. ID | **:** | **Bhola-25021397** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Liza | | | | Age | **:** | 19 Y | | | D. Date | **:** | 04/03/25 |
| Ref. By | **:** | **Dr. Foysal Ahmed MBBS, BCS (H), FCPS (G & O)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | **Anti B–2 Glycoprotein IgM, IgG** | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | | |
| **Anti B–2 Glycoprotein IgM** | Cut Off rate | : | 24.00 |
|  | Sample rate | : | <2.00 |
|  | Interpretation | : | Negative |
|  | | | |
| **Anti B–2 Glycoprotein IgG** | Cut Off rate | : | 24.00 |
|  | Sample rate | : | <4.00 |
|  | Interpretation | : | Negative |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013556** | P. ID | **:** | **Jamalpur-31** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Bithi | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Al-Reza General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 19.10 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013557** | P. ID | **:** | **MKG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Champa Begum | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3, T4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.43 | ng/ml | 0.8 – 1.9 ng/ml |
|  |  |  |  |
| **T4** | 8.66 | μg/dL | Cord blood: 7.4 to 13.0  **Children:**  1 to 3 days: 11.8 to 22.6  1 to 2 wk: 9.8 to 16.6  1 to 4 mo: 7.2 to 14.4  4 to 12 mo: 7.8 to 16.5  1 to 5 y: 7.3 to 15.0  5 to 10 y: 6.4 to 13.3  10 to 15 y: 5.6 to 11.7  **Adults (15 to 60 y):**  **Men**: 4.87-11.72  **Women**: 5.5 to 11.0  >60 y: 5.0 to 10.7 |
|  |  |  |  |
| **TSH** | 1.20 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013557** | P. ID | **:** | **MKG-1** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Champa Begum | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** |  | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Prolactin | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Prolactin** | 15.86 | ng/ml | |  |  |  | | --- | --- | --- | | Male | : | 2.3 – 17.5 | | Female | : | 2.9 – 25.8 | |
|  |  |  |  |

**IMMUNOLOGY**

Tests were carried out by Accu- Bind (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013558** | P. ID | **:** | **MKG-000** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Ivi Akter | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. S.M. Abdul Awal (SACMO)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Troponin – I | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Troponin – I** | <0.01 | ng/ml |  |  | < 0.10 ng/ml |
|  |  |  |  | | |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013559** | P. ID | **:** | **MKG-7** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mousumi | | | | Age | **:** | 23 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Tahsin Islam Pavel MBBS, BCS, CMU, MRCP** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 3.45 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013560** | P. ID | **:** | **MKG-4** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Ema | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **U.H.C Shibalay** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.31 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013561** | P. ID | **:** | **MKG-2** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sattar | | | | Age | **:** | 62 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **U.H.C Shibalay** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.07 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013562** | P. ID | **:** | **MKG-\*25\*** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Afroza | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Munira Yesmin Tithi MBBS, BCS (H), FCPS-2, CMU, DMU-Ultra** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 1.67 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013563** | P. ID | **:** | **MKG-03** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rabeya | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **U.H.C Shibalay** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 0.64 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**IMMUNOLOGY TEST (HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013564** | P. ID | **:** | **MKG-3525** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sorif | | | | Age | **:** | 42 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | HBsAg (ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.110 |
| Patient serum (OD) | **:** | **1.95** |
| Interpretation | **:** | **Positive** |
|  |  | (If patient OD is less then cut off Value, then the test is negative) |
|  |  | (If patient OD is greater then cut off Value, then the test is positive) |
|  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013565** | P. ID | **:** | **CHA-160** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Kolpona | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahanaj Munmun (Mimi) MBBS, PGT** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | T3, T4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **T3** | 1.21 | ng/ml | 0.8 – 1.9 ng/ml |
|  |  |  |  |
| **T4** | 7.00 | μg/dL | Cord blood: 7.4 to 13.0  **Children:**  1 to 3 days: 11.8 to 22.6  1 to 2 wk: 9.8 to 16.6  1 to 4 mo: 7.2 to 14.4  4 to 12 mo: 7.8 to 16.5  1 to 5 y: 7.3 to 15.0  5 to 10 y: 6.4 to 13.3  10 to 15 y: 5.6 to 11.7  **Adults (15 to 60 y):**  **Men**: 4.87-11.72  **Women**: 5.5 to 11.0  >60 y: 5.0 to 10.7 |
|  |  |  |  |
| **TSH** | **8.27** | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013566** | P. ID | **:** | **CHA-209** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Robiul Islam | | | | Age | **:** | 41 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Rahat Imam MBBS, BCS (H), MD (Psychology)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | FT3, FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT3** | 2.55 | pg/ml | 1.4 – 4.2 pg/ml |
|  |  |  |  |
| **FT4** | 10.84 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 4.94 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**BIOCHEMISTRY (IRON PROFILE)**

Tests were carried out by Accu-Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013567** | P. ID | **:** | **GPK-6061** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Zinatunnessa | | | | Age | **:** | 49 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Mahbubur Rahman MD (Neurology)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin, Iron, TIBC | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Serum Ferritin** | 221.78 | ng/ml | Male | : | 27 – 375 |
|  |  |  | Female | : | 12 – 135 |
| **Serum Iron** | 130.90 | μg/dl | New born | : | 100 – 250 |
|  |  |  | Infant | : | 40 – 100 |
|  |  |  | Children | : | 50 – 120 |
|  |  |  | Male | : | 65 – 175 |
|  |  |  | Female | : | 50 – 170 |
| **TIBC** | 311.47 | μg/dL |  |  | 250 – 400 |
| **UIBC** | 180.57 | μg/dL |  |  | 162 – 368 |
| **% Transferrin Saturation** | 42.03 | % |  |  | 15 – 50 |
|  |  |  |  | | |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013568** | P. ID | **:** | **GPK-700** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Maksud | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Birendra Nath Sinha MBBS, FCGP (M), DMU** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | 5.76 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013569** | P. ID | **:** | **SM/S-1699** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Shahanara | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prof. Dr. Delwar Hossain MBBS, MS, FACS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **720.91** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**IMMUNOLOGY**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013570** | P. ID | **:** | **SM/S-8694** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Abdur Rahman | | | | Age | **:** | 09 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Prof. Dr. Delwar Hossain MBBS, MS, FACS** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | IgE | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | |
| **S. IgE** | **>2000** | Iu/ml | Infant | : | < 64 | Iu/ml |
|  |  |  | Children | : | < 100 | Iu/ml |
|  |  |  | Adult | : | < 120 | Iu/ml |
|  |  |  |  | | | |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013571** | P. ID | **:** | **SM/S-8740** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Faiza | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Afsana Akter Usha MBBS, CMU** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | | **REFERENCE RANGE** | | |
| **Serum Vitamin D** | 22.94 | ng/ml | Very Severe Vit-D deficiency | | : | < 5 |
|  |  |  | Severe Vit-D deficiency | | : | 5 – 10 |
|  |  |  | Vit-D deficiency | | : | 10 – 20 |
|  |  |  | Suboptimal Vit- D provision | | : | 20 – 30 |
|  |  |  | Optimal Vit- D level | | : | 30 – 50 |
|  |  |  | Upper normal | | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | | : | > 150 |
|  |  |  |  | | | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013572** | P. ID | **:** | **SM/S-2047** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shorna | | | | Age | **:** | 25 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Yeasmin Jahan MBBS, BCS (H), FCPS (G&O), Fetomaternal Medicine Unit** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | LH, FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Luteinizing Hormone (LH)** | 25.97 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.0 – 10.5 | | **Female** |  |  | | Follicular Phase | : | 2.0 – 13.5 | | Ovulation Period | : | 14.0 – 96.0 | | Luteal Phase | : | 0.5 – 12.5 | | Menopause | : | 7.0 – 59.5 | |  |  |  | |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | 8.56 | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 8.9 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013573** | P. ID | **:** | **JSP-421** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Aklima | | | | Age | **:** | 45 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Asst. Prof. Dr. Md. Rabiul Islam Roni MBBS, DLO (ENT, BSMMU)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FT4, TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **FT4** | 12.62 | pmol/L | 8.5 – 22.5 pmol/L |
|  |  |  |  |
| **TSH** | 1.01 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children**:  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults**:  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy**:  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**AUTOIMMUNE MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013574** | P. ID | **:** | **F-14** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hasina | | | | Age | **:** | 50 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Shorifunnessa (Jhumur) MBBS, FCPS (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | ANA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | | **REFERENCE RANGE** | |
| **ANA** | 0.48 | | < 0.9 | Negative |
|  |  | | 0.9 – 1.1 | Borderline |
|  |  | | > 1.1 | Positive |
|  |  |  |  | |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013574** | P. ID | **:** | **F-14** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Hasina | | | | Age | **:** | 50 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Shorifunnessa (Jhumur) MBBS, FCPS (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – HBc (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.800 |
| Patient serum (OD) | **:** | 1.70 |
| Interpretation | **:** | Negative |
|  |  | (If patient OD is less then cut off value, then the test is Positive) |
|  |  | (If patient OD is greater then cut off value, then the test is Negative) |
|  |  |  |

**AUTOIMMUNE MARKER**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013575** | P. ID | **:** | **F-16** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rithi | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Shorifunnessa (Jhumur) MBBS, FCPS (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | ANA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | | **REFERENCE RANGE** | |
| **ANA** | 0.20 | | < 0.9 | Negative |
|  |  | | 0.9 – 1.1 | Borderline |
|  |  | | > 1.1 | Positive |
|  |  |  |  | |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013575** | P. ID | **:** | **F-16** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Rithi | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Shorifunnessa (Jhumur) MBBS, FCPS (M)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Vitamin D (25 OH) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | | **REFERENCE RANGE** | | |
| **Serum Vitamin D (25 OH)** | 21.97 | ng/ml | Very Severe Vit-D deficiency | | : | < 5 |
|  |  |  | Severe Vit-D deficiency | | : | 5 – 10 |
|  |  |  | Vit-D deficiency | | : | 10 – 20 |
|  |  |  | Suboptimal Vit- D provision | | : | 20 – 30 |
|  |  |  | Optimal Vit- D level | | : | 30 – 50 |
|  |  |  | Upper normal | | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | | : | > 150 |
|  |  |  |  | | | |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013576** | P. ID | **:** | **F-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | SK. Barek | | | | Age | **:** | 40 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Shashanko Nag Sonet MBBC, DU, CCD** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Testosterone | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Serum Testosterone** | 3.80 | ng/mL | |  |  |  | | --- | --- | --- | | **Male** |  |  | | > 18 years | : | 1.49 - 10.36 | | **Female** |  |  | | > 18 years | : | <1.23 | |  |  |  | |

**BIOCHEMISTRY**

Tests were carried out by Tulip

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013577** | P. ID | **:** | **F-6572** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Liton Talukder | | | | Age | **:** | 50 Y | | | D. Date | **:** | 03/03/25 |
| Ref. By | **:** | **Assoc. Prof. Dr. M.M. Shahin-Ul-Islam MBBS, FCPS (M), MD (Gastroenterology)** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | 24hrs Urine Copper | | | | Specimen | | | **:** | Urine | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Urine Copper** | **149.94** | µg/dl | 3 - 20 |
| **Urine Total Volume** | **1600** | ml |  |
| **24hrs Urine Copper** | **2399.04** | µg/24hrs | < 60 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Tulip

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013578** | P. ID | **:** | **F-6571** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Md. Rashedul Islam | | | | Age | **:** | 32 Y | | | D. Date | **:** | 03/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | 24hrs Urine Copper | | | | Specimen | | | **:** | Urine | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Urine Copper** | **104.15** | µg/dl | 3 - 20 |
| **Urine Total Volume** | **4000** | ml |  |
| **24hrs Urine Copper** | **4166.0** | µg/24hrs | < 60 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by using Neotec France

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013579** | P. ID | **:** | **F-0718** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sheuly Begum | | | | Age | **:** | 52 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Pathik Biswas MBBS, BCS (H), MS Ortho, FCPS (Orthopedic)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | APTT | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **APTT** | 25 | Sec | 24 – 36 |
|  |  |  |  |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013586** | P. ID | **:** | **MHR/Huda-X** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mukul | | | | Age | **:** | 55 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Self** | | | | Sex | **:** |  | | | | | |
| Investigation | **:** | Potassium (K) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| Potassium (K) | 4.4 | mmol/L | 3.50 – 5.50 mmol/L |
|  |  |  |  |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013587** | P. ID | **:** | **JBH-25030157** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shukur Jan | | | | Age | **:** | 70 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Equria General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | 12.80 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**REPRODUCTIVE HORMONE ANALYSIS**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013588** | P. ID | **:** | **JBH-25030081** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Shopna | | | | Age | **:** | 18 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Equria General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | FSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **Follicle Stimulating Hormone (FSH)** | **0.32** | mIU/ml | |  |  |  | | --- | --- | --- | | **Male** |  |  | | Adult | : | 1.5 – 12.5 | | **Female** |  |  | | Follicular Phase | : | 3.0 – 15.5 | | Ovulation Period | : | 4.0 – 24.5 | | Luteal Phase | : | 1.2 – 9.5 | | Menopause | : | 22.5 – 145 | |  |  |  | |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013589** | P. ID | **:** | **Green-6708** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Nargis | | | | Age | **:** | 38 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Farabi MBBS** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Lipase | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Lipase** | 38.45 | U/L | 5 - 60 U/L |
|  |  |  |  |

**HORMONE ANALYSIS (Thyroid Function)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013591** | P. ID | **:** | **C.Path-08** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Sultana | | | | Age | **:** | 24 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **DMCH** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | TSH | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
|  |  |  |  |
| **TSH** | 2.14 | μIU/mL | Pre-matures, 28 to 36 wk  (First week of life): 0.7 to 27.0  Cord blood (>37 wk): 2.3 to 13.2  **Children:**  Birth to 4 days: 1.0 to 39.0  2 to 20 wk: 1.7 to 9.1  21 wk to 20 years: 0.7 to 6.4  **Adults:**  21 to 54 years: 0.46-4.68  55 to 87 years: 0.5 to 8.9  **Pregnancy:**  First trimester: 0.3 to 4.5  Second trimester: 0.5 to 4.6  Third trimester: 0.8 to 5.2 |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013592** | P. ID | **:** | **Green-6698** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Masuda Begum | | | | Age | **:** | 60 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Ashraf Uddin MBBS, BCS, CCD, PGT, MD (F-1)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 139.4 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 5.9 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 100.7 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 23.6 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**BIOCHEMISTRY (IRON PROFILE)**

Tests were carried out by Accu-Bind (France), Biolabo (France)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013592** | P. ID | **:** | **Green-6698** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mrs. Masuda Begum | | | | Age | **:** | 60 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Md. Ashraf Uddin MBBS, BCS, CCD, PGT, MD (F-1)** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Serum Ferritin, Iron, TIBC | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | |
| **Serum Ferritin** | >1500 | ng/ml | Male | : | 27 – 375 |
|  |  |  | Female | : | 12 – 135 |
| **Serum Iron** | 192.40 | μg/dl | New born | : | 100 – 250 |
|  |  |  | Infant | : | 40 – 100 |
|  |  |  | Children | : | 50 – 120 |
|  |  |  | Male | : | 65 – 175 |
|  |  |  | Female | : | 50-170 |
| **TIBC** | 299.50 | μg/dL |  |  | 250 – 400 |
| **UIBC** | 107.10 | μg/dL |  |  | 162 – 368 |
| **% Transferrin Saturation** | 64.24 | % |  |  | 15 – 50 |

**ELECTROLYTES**

Tests were carried out by Cornley (Japan)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013593** | P. ID | **:** | **Metro-15942** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mim | | | | Age | **:** | 17 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Dr. Halima Khatun Tuhin** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Electrolyte | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **ELECTROLYTES** |  |  |  |
| Sodium (Na) | 145.5 | mmol/L | 135.0 – 145 mmol/L |
| Potassium (K) | 4.2 | mmol/L | 3.50 – 5.50 mmol/L |
| Chloride (Cl) | 103.0 | mmol/L | 96.0 – 106.0 mmol/L |
| Bicarbonate (HCO3) | 25.2 | mmol/L | 22.0 – 28.0mmol/L |
|  |  |  |  |

**TUMOR MARKER**

Tests were carried out by using Accu Bind ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013595** | P. ID | **:** | **UGH-25030054** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Shahjahan | | | | Age | **:** | 80 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | CA - 19.9, AFP, CEA | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | |
| **CA – 19.9** | 7.48 | U/ml | ≤ 35 | |
|  |  |  |  | |
| **CEA** | 1.95 | ng/ml | Non – Smokers | < 5 ng/ml |
|  |  |  | Smokers | < 10 ng/ml |
|  |  |  |  | |

**BIOCHEMISTRY**

Tests were carried out by using Accu- Bind (USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013596** | P. ID | **:** | **UGH-25030027** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Nahidul | | | | Age | **:** | 3 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Serum Vitamin D (Total) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Serum Vitamin D (Total)** | 24.57 | ng/ml | Very severe Vit-D deficiency | : | <5 | |
|  |  |  | Severe Vit-D deficiency | : | 5 – 10 |
|  |  |  | Vit-D deficiency | : | 10 – 20 |
|  |  |  | Suboptimal Vit-D provision | : | 20 – 30 |
|  |  |  | Optimal Vit-D level | : | 30 – 50 |
|  |  |  | Upper normal | : | 50 – 70 |
|  |  |  | Overdose, but not toxic | : | 70 – 150 |
|  |  |  | Vitamin D intoxication | : | > 150 |
|  |  |  |  | | | | |

**IMMUNOLOGY**

**Tests were carried out by using Biotech ELISA (Germany)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013597** | P. ID | **:** | **UGH-25030041** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Moushumi | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – CCP Antibody | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Serum Anti-CCP Antibody** | 10.00 | U/mL | < 17 Negative |
|  |  |  | > 17 Positive |
|  |  |  |  |

**HEMATOLOGY REPORT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013598/IBN-D1183714** | P. ID | **:** | **UGH-25030019** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | B/O Afroja | | | | Age | **:** | 1 D | | | D. Date | **:** | 03/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Reticulocyte Count | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Reticulocyte Count** | **5.20** | % | 0.2 – 2.0 % |
|  |  |  |  |

**SEROLOGICAL TEST**

Tests were carried out by using Bio-cell(USA)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013598** | P. ID | **:** | **UGH-25030019** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | B/O Afroja | | | | Age | **:** | 1 D | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Coombs Test | | | | Specimen | | | **:** | Blood | | | |

|  |  |
| --- | --- |
| **INVESTIGATION** | **RESULT** |
| **Coombs Test** | |
| Direct | Negative |
| Indirect | Negative |
|  |  |

**BIOCHEMISTRY (DRUGE PROFILE)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013599** | P. ID | **:** | **UGH-25030030** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Arif | | | | Age | **:** | 30 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | M | | | | | |
| Investigation | **:** | Dope Test | | | | Specimen | | | **:** | Urine | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | | **RESULT** | |
| **Amphetamine** | | Negative | |
| **Benzodiazepine (BZO)** | | Negative | |
| **Opiates** | | Negative | |
| **Cannabinoids (THC)** | | Negative | |
| Cannabinoid is the phytocannabinoid[tetrahydrocannabinol](https://en.wikipedia.org/wiki/Tetrahydrocannabinol) (THC) | | | |
|  |  |  |  |

**IMMUNOLOGY**

Tests were carried out by Biotech Germany

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013600** | P. ID | **:** | **UGH-25030052** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Mis. Anika | | | | Age | **:** | 22 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Uttara General Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Anti – H. Pylori IgM, IgG | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | |
| **Anti H – Pylori IgM** | 0.73 | U/ml | < 8 | Negative |
|  |  |  | 8 – 12 | Equivocal |
|  |  |  | > 12 | Positive |
| **Anti H – Pylori IgG** | 5.31 | U/ml | < 8 | Negative |
|  |  |  | 8 – 12 | Equivocal |
|  |  |  | > 12 | Positive |
|  |  |  |  | |

**IMMUNOLOGY**

Tests were carried out by Accu- Bind (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **Shin-205166** | P. ID | **:** | **013601** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | B/O Surma | | | | Age | **:** | 1 D | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Shin Shin Japan Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Procalcitonin | | | | Specimen | | | **:** | Blood | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** |
| **Procalcitonin** | 0.08 | ng/ml | Health individuals : < 0.10 |
|  |  |  |  |

**BIOCHEMISTRY**

Tests were carried out by Spinereact (Spain)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **Shin-205064** | P. ID | **:** | **013602** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Roksanara | | | | Age | **:** | 58 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Shin Shin Japan Hospital** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | Total Protein | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **INVESTIGATION** | **RESULT** | **UNIT** | **REFERENCE RANGE** | | | | |
| **Protein (Total)** | 8.10 | g/dl | New born | : | 4.6 – 7.0 | | g/dl |
|  |  |  | Children / Adult | : | 6.6 – 8.7 | g/dl | |
|  |  |  |  | | | | |

**IMMUNOLOGY TEST(HEPATITIS)**

Tests were carried out by using DSI ELISA (Germany)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| L.Id no. | **:** | **013607** | P. ID | **:** | **Mirpur-28** | | | | | | C. Date | **:** | 02/03/25 |
| Patient’s Name | **:** | Abeda | | | | Age | **:** | 35 Y | | | D. Date | **:** | 02/03/25 |
| Ref. By | **:** | **Healthy Life Clinic & Diagnostic LTD.** | | | | Sex | **:** | F | | | | | |
| Investigation | **:** | HBsAg(ELISA) | | | | Specimen | | | **:** | Serum | | | |

|  |  |  |
| --- | --- | --- |
| **INVESTIGATION** |  | **RESULT** |
| Cut off Value | **:** | 0.110 |
| Patient serum (OD) | **:** | **3.18** |
| Interpretation | **:** | **Positive** |
|  |  | (If patient OD is less then cut off Value, then the test is negative) |
|  |  | (If patient OD is greater then cut off Value, then the test is positive) |
|  |  |  |