



DEPARTMENT OF LABORATORY SERVICES

| | | | |
|--------------------|------------------------------|------------------------|--------------------|
| Patient | Mrs. JYOTIRMAI PANIGRAHI | Lab No/ManualNo | 5379782/ |
| UHIDNo/IPNO | 300445309 | CollectionDate | 09/03/2024 10:02AM |
| Age/Gender | 29 Years/Female | Receiving Date | 09/03/2024 10:19AM |
| Bed No/Ward | OPD | Report Date | 09/03/2024 3:51PM |
| Referred By | Dr. Casualty Medical Officer | Report Status | Final |
| | | Sample Quality | Normal |

| Test Name | Result | Unit | Bio. Ref. Range | Method | Sample |
|-----------|--------|------|-----------------|--------|--------|
|-----------|--------|------|-----------------|--------|--------|

Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

| | | | | | |
|-----------------|-----------------|-------------------------------|--------------|-------------------------------------|-------|
| | | | | | Serum |
| Gamma GT | H 48.80 | U/L | 6.00 - 42.00 | Enzymatic method | Serum |
| Creatinine | 0.55 | mg/dL | 0.50 - 0.90 | Jaffe Kinetic Compensated | |
| Age | 29 | | | | |
| Weight | 57.9 | | | | |
| Gender | 0.85 | | | | |
| eGFR | H 137.95 | mL/minute/1.73 m ² | 72 - 110 | | Serum |
| Uric Acid | 5.1 | mg/dL | 2.4 - 5.7 | Uricase / Peroxidase (Colorimetric) | Serum |
| Fasting Glucose | 93.6 | mg/dL | < 100.0 | Hexokinase | |

Dr. Jitendra Narendrabhai Nayak
Reg.No:G-14786
Consultant Pathologist



JCI (USA)

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As per ADA Guideline

For Fasting Plasma Glucose

Normal : Less than 100 mg/dL

Prediabetes : 100 mg/dL to 125 mg/dL

Diabetes : 126 mg/dL or Higher

For 2 hrs Plasma Glucose after 75 Gms Glucose load

Normal : Less than 140 mg/dL

Prediabetes : 140 to 199 mg/dL

Diabetes : 200 mg/dL or higher

For Random Plasma Glucose

Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

LIVER FUNCTION TEST (LFT) SERUM

Serum

| | | | | |
|----------------------|----------------|-------|--------------|--|
| SGPT(ALT) | H 43.20 | U/L | 0.00 - 33.00 | IFCC without pyridoxal phosphate |
| SGOT(AST) | H 33.30 | U/L | 0.00 - 32.00 | IFCC without pyridoxal phosphate |
| Alkaline Phosphatase | 129.9 | U/L | 35.0 - 140.0 | PNP-Standardize |
| Bilirubin Total | 0.39 | mg/dL | 0.00 - 1.00 | Diazo Method |
| Bilirubin Direct | 0.16 | mg/dL | 0.00 - 0.20 | Diazo Method |
| Bilirubin Indirect | 0.23 | mg/dL | 0.00 - 1.10 | Calculate from Total and Direct Billirubin |
| Protein Total | 7.42 | g/dL | 6.40 - 8.20 | Biuret Method |
| Albumin | 4.80 | g/dL | 3.97 - 4.95 | BCG Endpoint |
| Globulin | 2.62 | g/dL | 2.20 - 3.50 | Calculated |
| A/G Ratio | 1.83 | Ratio | 0.90 - 2.80 | Ratio |

Serum

| | | | | |
|------------|---------------|-------|-------------|---------------------|
| Blood Urea | L 14.3 | mg/dL | 16.6 - 48.5 | Urease,Kinetic,GLDH |
| BUN* | 6.7 | mg/dL | 6.0 - 20.0 | Ureas with UV |

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

Serum

| | | | | |
|-----------------------|------|-------|---------|------------|
| Post prandial Glucose | 91.8 | mg/dL | < 140.0 | Hexokinase |
|-----------------------|------|-------|---------|------------|

As per ADA Guideline

For Fasting Plasma Glucose

Normal : Less than 100 mg/dL

Prediabetes : 100 mg/dL to 125 mg/dL

Diabetes : 126 mg/dL or Higher

For 2 hrs Plasma Glucose after 75 Gms Glucose load

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For Random Plasma Glucose

Diabetes is diagnosed at blood glucose greater than or equal to 200 mg/dL

EDTA Blood

| | | | | |
|------------------|------|---|--|---------------------|
| HbA1c (Glyco Hb) | 5.64 | % | 4.8 % - 5.9 % Normal 5.9 % - 7.0 % Good diabetic Control 7.0 % - 10.00 % Fair Diabetic Control >10.0 % Poor diabetic Control | Immunoturbidimetric |
|------------------|------|---|--|---------------------|

| | | | |
|---------------------|-------|-------|--------------|
| Mean Plasma Glucose | 123.4 | mg/dL | 80.0 - 140.0 |
|---------------------|-------|-------|--------------|

Serum

| | | | | |
|-----------|-------|-------|---------------|--------|
| TOTAL T3* | 1.470 | ng/mL | 0.850 - 2.020 | ECLIA. |
|-----------|-------|-------|---------------|--------|

| | | | | |
|-----------|-------|-------|----------------|--------|
| TOTAL T4* | 7.980 | ug/dL | 5.130 - 14.060 | ECLIA. |
|-----------|-------|-------|----------------|--------|

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THYROID STIMULATING HORMONE **H 6.040** uIU/mL 0.270 - 4.200 ECLIA.

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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Female

LIPID PROFILE (WITH DIRECT LDL)

Serum

| | | | | | |
|-------------------------------|---------|-------|---|----------------------------|--|
| Sample Type | Fasting | | | | |
| Cholesterol Total | 151.50 | mg/dL | Less than 160 mg/dL Excellent Less than 200 mg/dL Desirable 200-239 mg/dL Borderline High 240 mg/dl & over high | Enzymatic (CHE/CHO/POD) | |
| Triglycerides | 111.30 | mg/dL | Less than 150 mg/dL Normal 150-199 mg/dL Borderline High 200-499 mg/dL High 500 mg/dL or greater very High | GPO-PAP | |
| HDL Cholesterol | 38.20 | mg/dL | Less than 40 mg/dL Low 60 mg/dL or Above Excellent | Homogenous Enzymatic | |
| LDL Cholesterol (Direct) | 97.50 | mg/dL | Less than 80 mg/dL Excellent Less than 100 mg/dL Optimal 100-129 mg/dL Near or above optimal 130-159 mg/dL Borderline High 160-189 mg/dL High 190 mg/dL & above Very High | Homogenous Enzymatic | |
| VLDL Cholesterol | 22.26 | mg/dL | < 30 | Calculated | |
| LDL/HDL RATIO | 2.55 | | < 3.50 | Calculated | |
| Cholesterol Total / HDL Ratio | 3.97 | | < 4.50 | | |

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| Age/Gender | 29 Years/Female | Receiving Date | 09/03/2024 11:30AM |
| Bed No/Ward | OPD | Report Date | 09/03/2024 1:24PM |
| Referred By | Dr. Casualty Medical Officer | Report Status | Final |
| | | Sample Quality | |

| Test Name | Result | Unit | Bio. Ref. Range | Method | Sample |
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|-----------|--------|------|-----------------|--------|--------|

Clinical Pathology

ArcoFemi Healthcare Ltd Below 40 Female

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

| | | | | |
|-------------|---------------|--|---------------|---|
| Quantity | 20 ml | | | Visual method |
| Colour | Pale Yellow | | | Visual method |
| Appearance: | Slightly Hazy | | | Visual method |
| Reaction | 7.0 | | 4.5 - 8.0 | Reflectance photometer |
| Sp. Gravity | 1.005 | | 1.015 - 1.030 | Reflectance photometer/Enzymatic reaction |

Chemical Examination:

| | | | | |
|-----------|--------|--|--|-------------------------------|
| U.Albumin | Nil | | | Reflectance photometer/Manual |
| U.Glucose | Absent | | | |
| U.Acetone | Absent | | | |
| BS/BP | Absent | | | |

Microscopic Examination

| | | | | |
|-----------------|------------|--|---------|------------|
| Pus Cell | 8-10 | | /H.P.F. | Microscopy |
| Red Blood Cell | Occasional | | /H.P.F. | |
| Epithelial cell | 1-2 | | /H.P.F. | |
| Cast | Absent | | | |
| Crystals | Absent | | | |
| Amorphous | Absent | | | |
| Monilia | Absent | | | |

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| Age/Gender | 29 Years/Female | Receiving Date | 09/03/2024 10:19AM |
| Bed No/Ward | OPD | Report Date | 09/03/2024 1:18PM |
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Haematology

ArcoFemi Healthcare Ltd Below 40 Female

CBC WITH ESR

EDTA Blood

| | | | | | |
|--------------------------------------|---|----------|--------------------|--|--|
| Haemoglobin | 13.0 | g/dL | 12.5 - 16.0 | SLS Method | |
| Hematocrit/PCV | 41.1 | % | 37.0 - 47.0 | H.focusing Method | |
| RBC COUNT | H 5.45 | mill/Cmm | 4.20 - 5.40 | H.focusing impedance | |
| MCV | L 75.4 | fl | 83.0 - 101.0 | Calculated | |
| MCH | L 23.9 | pg | 27.0 - 31.0 | Calculated | |
| MCHC | L 31.6 | g/dL | 32.0 - 36.0 | Calculated | |
| RDW-CV | 13.8 | % | 11.5 - 14.0 | Calculated | |
| Platelet count | 153000 | /cumm | 150000 - 410000 | H.focusing impedance | |
| Mean Platelet Volume(MPV)* | ---- | fl | 8 - 12 | Calculated | |
| Total Leucocyte Count (TLC) | 8150.00 | /cumm | 4000.00 - 10500.00 | Flow Cytometry | |
| Differential Leucocyte Count | | | | Flowcytometry/Microscopic | |
| Neutrophils | 52 | % | 40.0 - 70.0 | | |
| Lymphocytes | 39 | % | 22 - 45 | | |
| Eosinophils | 04 | % | 1.0 - 4.0 | | |
| Monocytes | 05 | % | 1.0 - 6.0 | | |
| Basophils | 00 | % | 0.0 - 1.0 | | |
| Absolute Leucocyte Count | | | | | |
| Absolute Neutrophil Count* | 4238 | /cumm | 1800 - 7700 | | |
| Absolute Lymphocyte count* | 3178.5 | /cumm | 1000 - 4800 | | |
| Absolute Eosinophil Count (AEC) | 326.0 | /cumm | 0.0 - 450.0 | | |
| Absolute Monocyte Count* | 407.5 | /cumm | 0 - 800 | | |
| Peripheral Smear Study | RBCs shows Microcytosis(+),Hypochromia(+),Elliptocytosis(+),Platelets are adequate in number. Malarial Parasites are not seen.No Premature cells are seen. | | | | |
| Erythrocyte Sedimentation Rate (ESR) | H 40 | mm/hr | 0 - 12 | Photometric capillary stopped flow kinetic | |

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| | | Sample Quality | |

CytoPathology

ArcoFemi Healthcare Ltd Below 40 Female

Cytopathology Pathology Report

Specimen

Cervical PAP smear.

Clinical Diagnosis

LMP : 16/02/2024, P1G1

Gross Description

Two fixed unstained slides received, PAP stain done.

Microscopic Description

Smears are satisfactory for evaluation.
Many superficial, intermediate cells and few parabasal cells seen.
Mild inflammation with predominance of neutrophils seen.
Moderate lactobacilli are seen. No parasites/ fungi.
No evidence of intraepithelial lesion or malignancy.

Diagnosis

Cervical smear - **Mild inflammation and no evidence of intraepithelial lesion or malignancy.**

Note- The pap test is a screening procedure to aid in the detection of cervical cancer and its precursors. Because false negative results may occur, regular PAP tests are recommended.

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Immuno-Haematology

ArcoFemi Healthcare Ltd Below 40 Female

BLOOD GROUPING

EDTA Blood

| | | | | | |
|-----------|----------|--|--|---------------------------|--|
| ABO Group | "AB" | | | Tube Agglutination Method | |
| Rh Type | Positive | | | | |

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