



JCI (USA) OUR ACCREDITATIONS

DEPARTMENT OF LABORATORY SERVICES

| | | | |
|--------------------|------------------------------|------------------------|--------------------|
| Patient | Mr. TULU SAHU | Lab No/ManualNo | 5354748/ |
| UHIDNo/IPNO | 300441764 | CollectionDate | 10/02/2024 8:29AM |
| Age/Gender | 32 Years/Male | Receiving Date | 10/02/2024 8:29AM |
| Bed No/Ward | OPD | Report Date | 10/02/2024 12:39PM |
| 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 Male | | | | | |
| | | | | | Serum |
| Gamma GT | 13.10 | U/L | 10.00 - 71.00 | Enzymatic method | Serum |
| Creatinine | 1.11 | mg/dL | 0.70 - 1.20 | Jaffe Kinetic Compensated | |
| Age | 32 | | | | |
| Weight | 84.7 | | | | |
| Gender | 1.00 | | | | |
| eGFR | 114.46 | mL/minute/1.73 m2 | 39 - 137 | | Serum |
| Uric Acid | 5.6 | mg/dL | 3.4 - 7.0 | Uricase / Peroxidase (Colorimetric) | Serum |
| Fasting Glucose | 88.4 | mg/dL | < 100.0 | Hexokinase | |



Dr. Viyati Chetanbhai Vithlani
MBBS+MD Pathology
Pathologist



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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) | 14.90 | U/L | 0.00 - 41.00 | IFCC without pyridoxal phosphate |
| SGOT(AST) | 17.40 | U/L | 0.00 - 40.00 | IFCC without pyridoxal phosphate |
| Alkaline Phosphatase | H 144.3 | U/L | 40.0 - 129.0 | PNP-Standardize |
| Bilirubin Total | 0.68 | mg/dL | 0.00 - 1.10 | Diazo Method |
| Bilirubin Direct | H 0.24 | mg/dL | 0.00 - 0.20 | Diazo Method |
| Bilirubin Indirect | 0.44 | mg/dL | 0.00 - 1.10 | Calculate from Total and Direct Billirubin |
| Protein Total | 6.94 | g/dL | 6.40 - 8.20 | Biuret Method |
| Albumin | 4.43 | g/dL | 3.97 - 4.95 | BCG Endpoint |
| Globulin | 2.51 | g/dL | 2.20 - 3.50 | Calculated |
| A/G Ratio | 1.76 | Ratio | 0.90 - 2.80 | Ratio |

Serum

| | | | | |
|------------|------|-------|-------------|---------------------|
| Blood Urea | 18.9 | mg/dL | 16.6 - 48.5 | Urease,Kinetic,GLDH |
| BUN* | 8.8 | mg/dL | 6.0 - 20.0 | Ureas with UV |



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(*) Not in NABL Scope

End Of Report



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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

Serum

| | | | | | |
|-----------------------------|---------------------------|-------|---------|------------|--|
| Post prandial Glucose | 75.2 | mg/dL | < 140.0 | Hexokinase | |
| Post prandial Urine Glucose | S.N.G. = Sample Not Given | | | | |

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

End Of Report

Dr. Kazumi Gondalia
 M.D (Path)
 Reg.No.: G-21729



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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

EDTA Blood

| | | | | | |
|---------------------|----------------|-------|--|---------------------|-------|
| HbA1c (Glyco Hb) | 6.11 | % | 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 | H 140.1 | mg/dL | 80.0 - 140.0 | | Serum |

| | | | | | |
|-----------------------------|-------|--------|----------------|--------|--|
| TOTAL T3* | 1.280 | ng/mL | 0.850 - 2.020 | ECLIA. | |
| TOTAL T4* | 8.750 | ug/dL | 5.130 - 14.060 | ECLIA. | |
| THYROID STIMULATING HORMONE | 2.200 | uIU/mL | 0.270 - 4.200 | ECLIA. | |

(* Not in NABL Scope)

End Of Report

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



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Biochemistry

ArcoFemi Healthcare Ltd Below 40 Male

LIPID PROFILE (WITH DIRECT LDL)

Serum

| | | | | | |
|-------------------------------|---------|-------|---|----------------------------|--|
| Sample Type | Fasting | | | | |
| Cholesterol Total | 130.80 | 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 | 104.50 | 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 | 31.70 | mg/dL | Less than 40 mg/dL Low 60 mg/dL or Above Excellent | Homogenous Enzymatic | |
| LDL Cholesterol (Direct) | 89.90 | 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 | 20.9 | mg/dL | < 30 | Calculated | |
| LDL/HDL RATIO | 2.84 | | < 3.50 | Calculated | |
| Cholesterol Total / HDL Ratio | 4.13 | | < 4.50 | | |



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Clinical Pathology

ArcoFemi Healthcare Ltd Below 40 Male

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

| | | | | | |
|-------------|-------------|--|---------------|---|--|
| Quantity | 20 ml | | | Visual method | |
| Colour | Pale Yellow | | | Visual method | |
| Appearance: | Clear | | | Visual method | |
| Reaction | 6 | | | Reflectance photometer | |
| Sp. Gravity | 1.005 | | 1.015 - 1.030 | Reflectance photometer/Enzymatic reaction | |

Chemical Examination:

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

Microscopic Examination

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

End Of Report

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Haematology

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CBC WITH ESR

EDTA Blood

| | | | | | |
|--------------------------------------|---|----------|--------------------|--|--|
| Haemoglobin | 15.9 | g/dL | 13.5 - 18.0 | SLS Method | |
| Hematocrit/PCV | 47.0 | % | 42.0 - 52.0 | H.focusing Method | |
| RBC COUNT | 5.68 | mill/Cmm | 4.70 - 6.00 | H.focusing impedance | |
| MCV | L 82.7 | fl | 83.0 - 101.0 | Calculated | |
| MCH | 28.0 | pg | 27.0 - 31.0 | Calculated | |
| MCHC | 33.8 | g/dL | 32.0 - 36.0 | Calculated | |
| RDW-CV | 12.5 | % | 11.5 - 14.0 | Calculated | |
| Platelet count | 332000 | /cumm | 150000 - 410000 | H.focusing impedance | |
| Mean Platelet Volume(MPV)* | 9.3 | fl | 8 - 12 | Calculated | |
| Total Leucocyte Count (TLC) | 6930.00 | /cumm | 4000.00 - 10500.00 | Flow Cytometry | |
| Differential Leucocyte Count | | | | Flowcytometry/Microscopic | |
| Neutrophils | 65 | % | 40.0 - 70.0 | | |
| Lymphocytes | 25 | % | 22 - 45 | | |
| Eosinophils | H 06 | % | 1.0 - 4.0 | | |
| Monocytes | 04 | % | 1.0 - 6.0 | | |
| Basophils | 00 | % | 0.0 - 1.0 | | |
| Immature Granulocytes | 00 | % | 0 - 2 | | |
| Absolute Leucocyte Count | | | | | |
| Absolute Neutrophil Count* | 4504.5 | /cumm | 1800 - 7700 | | |
| Absolute Lymphocyte count* | 1732.5 | /cumm | 1000 - 4800 | | |
| Absolute Eosinophil Count (AEC) | 415.8 | /cumm | 0.0 - 450.0 | | |
| Absolute Monocyte Count* | 277.2 | /cumm | 0 - 800 | | |
| Peripheral Smear Study | RBCs are Normochromic & Normocytic. Platelets are adequate in number. Malarial Parasites are not seen. No Premature cells are seen. | | | | |
| Erythrocyte Sedimentation Rate (ESR) | 15 | mm/hr | 0 - 30 | Photometric capillary stopped flow kinetic | |

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MC - 3049



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Immuno-Haematology

ArcoFemi Healthcare Ltd Below 40 Male

BLOOD GROUPING

EDTA Blood

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

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