



JCI (USA)

OUR ACCREDITATIONS

DEPARTMENT OF LABORATORY SERVICES

| | | | |
|--------------------|------------------------------|------------------------|-------------------|
| Patient | Mr. SANJEEVA KUMAR TYAGI | Lab No/ManualNo | 5411504/ |
| UHIDNo/IPNO | 300449876 | CollectionDate | 13/04/2024 8:57AM |
| Age/Gender | 51 Years/Male | Receiving Date | 13/04/2024 9:07AM |
| Bed No/Ward | OPD | Report Date | 13/04/2024 1:35PM |
| 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 Above 40 Male

| | | | | | |
|---|----------------|-------|---------------|-------------------------------------|-------|
| | | | | | Serum |
| Gamma GT | 18.10 | U/L | 10.00 - 71.00 | Enzymatic method | Serum |
| Creatinine | 0.97 | mg/dL | 0.70 - 1.20 | Jaffe Kinetic Compensated | Serum |
| Uric Acid | 5.5 | mg/dL | 3.4 - 7.0 | Uricase / Peroxidase (Colorimetric) | Serum |
| Fasting Glucose | H 102.0 | mg/dL | < 100.0 | Hexokinase | Serum |
| <p>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</p> | | | | | |
| | | | | | Serum |

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



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Post prandial Glucose 93.4 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

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) | 25.20 | U/L | 0.00 - 41.00 | IFCC without pyridoxal phosphate |
| SGOT(AST) | 25.90 | U/L | 0.00 - 40.00 | IFCC without pyridoxal phosphate |
| Alkaline Phosphatase | 63.2 | U/L | 40.0 - 129.0 | PNP-Standardize |
| Bilirubin Total | 0.64 | mg/dL | 0.00 - 1.10 | Diazo Method |
| Bilirubin Direct | 0.20 | 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 | 7.30 | g/dL | 6.40 - 8.20 | Biuret Method |
| Albumin | 4.48 | g/dL | 3.97 - 4.95 | BCG Endpoint |
| Globulin | 2.82 | g/dL | 2.20 - 3.50 | Calculated |
| A/G Ratio | 1.59 | Ratio | 0.90 - 2.80 | Ratio |

EDTA Blood

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| | | | | | |
|-----------------------------|-------|--------|--|---------------------|-------|
| HbA1c (Glyco Hb) | 5.10 | % | 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 | 105.0 | mg/dL | 80.0 - 140.0 | | Serum |
| Prostate Specific Antigen | 2.140 | ng/mL | 0.000 - 4.000 | ECLIA | Serum |
| Blood Urea | 21.3 | mg/dL | 16.6 - 48.5 | Urease,Kinetic,GLDH | |
| BUN* | 9.9 | mg/dL | 6.0 - 20.0 | Ureas with UV | Serum |
| TOTAL T3* | 1.340 | ng/mL | 0.850 - 2.020 | ECLIA. | |
| TOTAL T4* | 7.060 | ug/dL | 5.130 - 14.060 | ECLIA. | |
| THYROID STIMULATING HORMONE | 1.790 | uIU/mL | 0.270 - 4.200 | ECLIA. | |

(*) Not in NABL Scope

End Of Report



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Biochemistry

ArcoFemi Healthcare Ltd Above 40 Male

LIPID PROFILE (WITH DIRECT LDL)

Serum

| | | | | | |
|--------------------------|---------|-------|---|----------------------------|--|
| Sample Type | Fasting | | | | |
| Cholesterol Total | 219.70 | 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 | 128.10 | 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 | 61.10 | mg/dL | Less than 40 mg/dL Low 60 mg/dL or Above Excellent | Homogenous Enzymatic | |
| LDL Cholesterol (Direct) | 148.80 | 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 | 25.62 | mg/dL | < 30 | Calculated | |
| LDL/HDL RATIO | 2.44 | | < 3.50 | Calculated | |

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| Bed No/Ward | OPD | Report Date | 13/04/2024 12:19PM |
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|-----------|--------|------|-----------------|--------|--------|

Clinical Pathology

ArcoFemi Healthcare Ltd Above 40 Male

URINE ROUTINE EXAMINATION

Urine

Physical Examination:

| | | | | |
|-------------|-------------|--|---------------|---|
| Quantity | 20 ml | | | Visual method |
| Colour | Pale Yellow | | | Visual method |
| Appearance: | Clear | | | Visual method |
| Reaction | 6.0 | | 4.5 - 8.0 | Reflectance photometer |
| Sp. Gravity | 1.015 | | 1.015 - 1.030 | Reflectance photometer/Enzymatic reaction |

Chemical Examination:

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

Microscopic Examination

| | | | | |
|-----------------|------------|--|---------|------------|
| Pus Cell | occational | | /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 | | | |

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Haematology

ArcoFemi Healthcare Ltd Above 40 Male

CBC WITH ESR

EDTA Blood

| | | | | | |
|--------------------------------------|---|----------|--------------------|--|--|
| Haemoglobin | 17.1 | g/dL | 13.5 - 18.0 | SLS Method | |
| Hematocrit/PCV | 48.9 | % | 42.0 - 52.0 | H.focusing Method | |
| RBC COUNT | 5.55 | mill/Cmm | 4.70 - 6.00 | H.focusing impedance | |
| MCV | 88.1 | fl | 83.0 - 101.0 | Calculated | |
| MCH | 30.8 | pg | 27.0 - 31.0 | Calculated | |
| MCHC | 35.0 | g/dL | 32.0 - 36.0 | Calculated | |
| RDW-CV | 11.7 | % | 11.5 - 14.0 | Calculated | |
| Platelet count | 220000 | /cumm | 150000 - 410000 | H.focusing impedance | |
| Mean Platelet Volume(MPV)* | 8.9 | fl | 8 - 12 | Calculated | |
| Total Leucocyte Count (TLC) | 6220.00 | /cumm | 4000.00 - 10500.00 | Flow Cytometry | |
| Differential Leucocyte Count | | | | Flowcytometry/Microscopic | |
| Neutrophils | 63 | % | 40 - 70 | | |
| Lymphocytes | 28 | % | 22 - 45 | | |
| Eosinophils | 04 | % | 1 - 4 | | |
| Monocytes | 05 | % | 1 - 6 | | |
| Basophils | 00 | % | 0 - 1 | | |
| Immature Granulocytes | 00 | % | 0 - 2 | | |
| Absolute Leucocyte Count | | | | | |
| Absolute Neutrophil Count* | 3918.6 | /cumm | 1800 - 7700 | | |
| Absolute Lymphocyte count* | 1741.6 | /cumm | 1000 - 4800 | | |
| Absolute Eosinophil Count (AEC) | 248.8 | /cumm | 0.0 - 450.0 | | |
| Absolute Monocyte Count* | 311 | /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) | 12 | mm/hr | 0 - 30 | Photometric capillary stopped flow kinetic | |

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Immuno-Haematology

ArcoFemi Healthcare Ltd Above 40 Male

BLOOD GROUPING

EDTA Blood

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

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