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|------------------|------------------------------------|-------------|---------------------------|----------------------|------------------|
| Reg. No. | R2345921 | Name | Mr. SURYANARAYANA ARYAN K | Reg. Date | 08/09/2024 07:38 |
| Age | 66 Year(s) | Sex | Male | Reported On | 08/09/2024 12:59 |
| Ref. By. | DR.SRINIVAS BABU.K.(THIRUMALA HOS) | | | Report Status | Final |
| Corporate | NON CORPORATE | | | | |

BIOCHEMISTRY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|-----------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------|------------|
| FBS & PPBS | | | |
| FASTING GLUCOSE Glucose Oxidase peroxidase | 358 mg/dl | </= 100 mg/dl : Normal 100 - 125 mg/dl : Prediabetes >/= 126 mg/dl : Diabetes. (By the ADA Recommendation) | Plasma |
| POST PRANDIAL GLUCOSE Glucose Oxidase peroxidase | 462 mg/dl | </=140 mg/dl : Normal 140 - 199 mg/dl : Prediabetes >/= 200 mg/dl : Diabetes (By the ADA Recommendation) | PP Plasma. |

GLYCOSYLATED HEMOGLOBIN- HBA1C WITH MEAN GLUCOSE

| | | | |
|---------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| GLYCOSYLATED HEMOGLOBIN HBA1C HPLC | 10.2 % | Reference Range for the purpose of diagnosis: 4.0 to <5.7% : Normal 5.7% to 6.4% : Prediabetes 6.5% or higher : Diabetes Reference range for monitoring Glycemic control : 4.0 - 6.0 % : Non - Diabetic 6.01 - 7.0 % : Good Control 7.01 - 8.0 % : Fair Control > 8.01 % : Poor Control | EDTA Blood |
|---------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|

MEAN PLASMA GLUCOSE 246 mg/dl

Calculated

Kindly correlate clinically, also with diet and drug history of the patient.

LIVER FUNCTION TEST

| | | | |
|---------------------------------|------------|-----------------|-------|
| TOTAL BILIRUBIN Diazo Method | 0.96 mg/dL | 0.2 - 1.3 mg/dL | Serum |
|---------------------------------|------------|-----------------|-------|



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|-------------------------------------------------------------------------------|-------------------|-------------------------------|--------|
| <u>LIVER FUNCTION TEST</u> | | | |
| BILIRUBIN DIRECT Calculated | 0.43 mg/dL | 0.0 - 0.4 mg/dL | Serum |
| BILIRUBIN INDIRECT Dual Wavelength - Reflectance Spectrophotometry | 0.53 mg/dL | 0.0 - 1.1 mg/dL | Serum |
| SERUM PROTEIN - TOTAL Biuret Method | 6.92 g/dl | 6.30 - 8.20 g/dl | Serum |
| ALBUMIN Bromo - Cresol Green | 4.27 g/dl | 3.50 - 5.00 g/dl | Serum |
| GLOBULIN Calculated | 2.65 g/dl | 2.0 - 4.0 g/dl | Serum |
| ALB : GLB RATIO Calculated | 1.61 | 1.2 - 2.5 | Serum |
| SGOT/AST Multipoint Rate with pyridoxal-5-phosphate | 27 U/L | 17 - 59 U/L | Serum |
| SGPT/ALT Multipoint Rate/UV with pyridoxal-5-phosphate | 55 U/L | < 50 U/L | Serum |
| ALKALINE PHOSPHATASE Multipoint-Rate-p-nitrophenyl Phosphate,AMP buffer | 149 U/L | 38 - 126 U/L | Serum |
| GAMMA GT Multipoint Rate-L-Gamma-glutamyl l-p-nitroanilide | 137 U/L | 15 - 73 U/L | Serum |



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|-----------------------------------------------------|-------------------|-------------------------------|---------|
| RENAL FUNCTION TEST | | | |
| CREATININE Enzymatic - Creatinine Amidohydrolase | 1.13 mg/dl | 0.66 – 1.25 mg/dl | Serum |
| URIC ACID Uricase,Peroxidase | 4.7 mg/dl | 3.50 – 8.50 mg/dl | Serum |
| BLOOD UREA NITROGEN Calculated | 19 mg/dL | 9 – 20 mg/dL | Serum |
| SERUM PROTEIN - TOTAL Biuret Method | 6.92 g/dl | 6.30 - 8.20 g/dl | Serum |
| ALBUMIN Bromo - Cresol Green | 4.27 g/dl | 3.50 - 5.00 g/dl | Serum |
| GLOBULIN Calculated | 2.65 g/dl | 2.0 - 4.0 g/dl | Serum |
| ELECTROLYTE | | | |
| SODIUM Direct ISE - Potentiometric | 133 mmol/L | 135 - 145 mmol/L | Heparin |
| POTASSIUM Direct ISE - Potentiometric | 4.70 mmol/L | 3.5 - 5.3 mmol/L | Heparin |
| CHLORIDE Direct ISE - Potentiometric | 101 mmol/L | 97 - 110 mmol/L | Heparin |
| RENAL FUNCTION TEST | | | |
| CALCIUM TOTAL Arsenazo III Method | 9.57 mg/dl | 8.40 – 10.20 mg/dl | Serum |
| UREA Urease | 40 mg/dl | 19 - 42 mg/dl | Serum |



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BIOCHEMISTRY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|----------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| LIPID PROFILE | | | |
| CHOLESTEROL TOTAL Cholesterol Oxidase | 182 mg/dL | Desirable : <200 mg/dL Borderline High : 200 – 239 mg/dL High : \geq 240 mg/dL Acc. to the classification scheme in the ATP III guidelines recommended by NCEP | Serum |
| TRIGLYCERIDE Lip/Glycerol kinase | 166 mg/dL | Normal : <150 mg/dL Borderline High : 150 – 199 mg/dL High : 200 – 499 mg/dL Very High : \geq 500 mg/dL Acc. to the classification scheme in the ATP III guidelines recommended by NCEP. | Serum |
| CHOLESTEROL HDL Phosphotungstic Acid/MgCl Enzymatic (CHE/CHO/POD) | 48 mg/dL | Low : <40.0 mg/dL High : \geq 60.0 mg/dL Acc. to the classification scheme in the ATP III guidelines recommended by NCEP. | Serum |



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| Test Name | Result | Biological Reference Interval | Sample |
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| LIPID PROFILE | | | |
| CHOLESTEROL LDL Direct measure Method | 98 mg/dL | Optimal: < 100 mg/dL Near to above optimal : 100 - 129 mg/dL Borderline High : 130 – 159 mg/dL High : 160 – 189 mg/dL Very High : >=190 mg/dL Acc. to the classification scheme in the ATP III guidelines recommended by NCEP. | Serum |
| VLDL Calculated | 33 mg/dl | Desirable < 40 mg/dl | Serum |
| NON HDL CHOLESTEROL Calculated | 134 mg/dl | <130 mg/dl | Serum |
| LDL:HDL RATIO Calculated | 2.0 | Desirable 0.5 - 3.0 Borderline 3.0 - 6.0 Higher risk >6.0 | Serum |



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BIOCHEMISTRY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|--------------------------------|--------|----------------------------------------------------------|--------|
| LIPID PROFILE | | | |
| CHOL : HDL RATIO Calculated | 3.8 | Desirable < 4.0 Borderline - 5.0 Higher risk > 6.0 | Serum |

Note : Kindly correlate clinically.

----- End of Report -----

Verified By: GOWTHAM N

| | |
|------------|--------------------|
| Sample | Collected Datetime |
| Serum | 08/09/2024 07:49 |
| EDTA Blood | 08/09/2024 07:49 |
| Plasma | 08/09/2024 07:49 |
| PP Plasma. | 08/09/2024 10:32 |
| Heparin | 08/09/2024 07:49 |



DR. UZMA ANJUM
CONSULTANT BIOCHEMIST
KMC NO. 102104



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| Reg. No. | R2345921 | Name | Mr. SURYANARAYANA ARYAN K | Reg. Date | 08/09/2024 07:38 |
| Age | 66 Year(s) | Sex | Male | Reported On | 08/09/2024 13:47 |
| Ref. By. | DR.SRINIVAS BABU.K.(THIRUMALA HOS) | Report Status | Final | | |
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HAEMATOLOGY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|------------|
| COMPLETE HAEMOGRAM (AUTO ANALYSER) | | | |
| HAEMOGLOBIN Sodium Lauryl sulphate | 15.3 gm/dl | 13.0 - 17.0 gm/dl | EDTA Blood |
| RED BLOOD COUNT Hydrodynamic DC detection | 5.82 mill/cumm | 4.5 - 5.5 mill/cumm | EDTA Blood |
| PCV Hydrodynamic DC detection | 48.0 % | 40 - 50 % | EDTA Blood |
| MCV Calculated | 82.5 fl | 83 - 101 fl | EDTA Blood |
| MCH Calculated | 26.3 pg | 27 - 32 pg | EDTA Blood |
| MCHC Calculated | 31.9 gm/dl | 31.5 - 34.5 gm/dl | EDTA Blood |
| RDW -CV Calculated | 13.2 % | Upto 15.0 % | EDTA Blood |
| ESR (Automated, modified Westergren's method) Automated, modified Westergren's method | 4 mm/hr | 2 - 14 mm/1hr | EDTA Blood |
| PLATELET COUNT Hydrodynamic DC detection (In case of very low count to repeat with fresh sample for reconfirmation) | 1.42 Lac/μL | 1.5 - 4.1 Lac/ μ L | EDTA Blood |
| TOTAL WBC COUNT Flow cytometry | 9350 cells/cumm | 4000 - 10000 cells/cumm | EDTA Blood |
| DIFFERENTIAL COUNT (AUTO ANALYSER / FLOW CYTOMETRY) | | | |
| NEUTROPHILS | 62.4 % | 40 - 75 % | EDTA Blood |



MC-6644

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HAEMATOLOGY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|------------------------------------------------------------|---------------|-------------------------------|------------|
| DIFFERENTIAL COUNT (AUTO ANALYSER / FLOW CYTOMETRY) | | | |
| LYMPHOCYTES | 21.4 % | 25 - 40 % | EDTA Blood |
| EOSINOPHILS | 9.0 % | <7% | EDTA Blood |
| MONOCYTES | 6.8 % | 02 - 10 % | EDTA Blood |
| BASOPHILS | 0.4 % | 00 - 01 % | EDTA Blood |

----- End of Report -----

Verified By: GOWTHAM N

Sample

Collected Datetime

EDTA Blood

08/09/2024 07:49



Shruthi H P

Dr. SHRUTHI H P
CONSULTANT PATHOLOGIST
KMC No. 80715



| | | | | | |
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| Age | 66 Year(s) | Sex | Male | Reported On | 08/09/2024 14:07 |
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CLINICAL PATHOLOGY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|-----------------------------------------------------------|---------------|-------------------------------|--------|
| PHYSICAL EXAMINATION OF URINE (Method - MANUAL) | | | |
| QUANTITY | 40 ml | | Urine |
| COLOUR | Pale Yellow | | |
| APPEARANCE | Clear | | |
| SPECIFIC GRAVITY | 1.025 | 1.003 - 1.030 | Urine |
| Poly Bromothymol Blue indicator | | | |
| CHEMICAL EXAMINATION OF URINE (AUTOMATED ANALYSER) | | | |
| pH | 5.5 | 4.7 - 7.5 | |
| pH Indicator | | | |
| ALBUMIN | Trace | Nil | Urine |
| Bromophenol blue indicator | | | |
| SUGAR | Present (+++) | Nil | Urine |
| GOD -POD | | | |
| KETONES | Negative | Absent | Urine |
| Sodium nitroprusside | | | |
| BILIRUBIN | Negative | Absent | Urine |
| Dichloroaniline | | | |
| NITRITE | Negative | Absent | Urine |
| Diazo | | | |
| UROBILINOGEN | Normal | < 1.0 Eu/dl | Urine |
| Diazo | | | |
| LEUCOCYTES ESTERASE | Negative | Absent | |
| Leucocyte Esterase activity | | | |



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CLINICAL PATHOLOGY TEST REPORT

| Test Name | Result | Biological Reference Interval | Sample |
|--------------------------------------------------------------|--------------|-------------------------------|--------|
| <u>MICROSCOPICAL EXAMINATION OF URINE (AUTOMATED/MANUAL)</u> | | | |
| RBC | 01 - 02 /Hpf | 1 - 2/Hpf | Urine |
| EPITHELIAL CELLS | 01 - 02 /Hpf | 3 - 5/Hpf | Urine |
| Pus cells | 01 - 02 /Hpf | 2 - 3/Hpf | |
| CASTS | Not present | Nil to Occ Hyaline cast/Lpf | |
| CRYSTALS | Not present | | |
| OTHERS | Absent | | |

Verified By: NOORUDDIN

Sample Collected Datetime
Urine 08/09/2024 07:49

----- End of Report -----



Dr. SHRUTHI H P
CONSULTANT PATHOLOGIST
KMC No. 80715



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HAEMATOLOGY TEST REPORT

PERIPHERAL SMEAR (Leishman's staining and Manual microscopy)

RBC's:

Are normocytic normochromic with many microcytes.

WBC's:

Are high normal in number with increase in absolute eosinophils count.

PLATELETS:

Are mild reduced in count.

No hemoparasites / atypical cells seen.

IMPRESSION:

NORMOCYTIC NORMOCHROMIC BLOOD PICTURE WITH EOSINOPHILIA. MILD THROMBOCYTOPENIA.

Verified By: GOWTHAM N

----- End of Report -----

Sample

Collected Datetime

EDTA Blood

08/09/2024 07:49



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