

23/12/20

ms. Jyotasaheb Shete
S/F.

Ht - 158 cm
wt - 94 kg
BMI - 36.15 g/m²
obese class II

Kidney DM/HTN. on g.

B.p - 180/90

family H/O. mother suffers from DM/HTN.

ECG - normal

P₂L₂ - W.C.S. - female - 28 yr
male - 17 yr.

Adv
nocho

menopausal age.
H/O father suffers 24 yrs ago

Adv
- salt restricted diet.
- diabetic diet

Adv
- Blood test
- CXR

Consult physician for blood changes

pt fit & she can
perform her
normal duties





| | |
|------------------------------------|-------------------|
| Name - Mrs. Jyostna Shelar | Age - 51 Y/F |
| Ref by Dr.- Siddhivinayak Hospital | Date - 23/12/2023 |

USG ABDOMEN & PELVIS

FINDINGS:

The **liver** dimension is **enlarged in size 16.4 cm**. It appears normal in morphology with **raised** echogenicity. No evidence of intrahepatic ductal dilatation.

The **GB-few (2-3 in no) echogenic calculi** are seen **gall bladder lumen of average size 4-5 mm**.

The **CBD-** common bile duct is normal. The portal vein is normal.

The **pancreas** appears normal in morphology.

The **spleen** is normal in size (10.6 cm) and morphology

Both **kidneys** demonstrate normal morphology. Both kidneys show normal cortical echogenicity.

The right kidney measures 9.2 x 4.1 cm.

The left kidney measures 9.7 x 4.2 cm.

Urinary bladder: normally distended. Wall thickness - normal.

Uterus : Post menopausal status .

Adnexa appear normal

No free fluid is seen.

IMPRESSION:

- **Hepatomegaly with fatty infiltration**
- **Gall bladder calculi**

DR. AMOL BENDRE
MBBS; DMRE
CONSULTANT RADIOLOGIST





| | |
|------------------------------------|-------------------|
| Name - Mrs. Jyostna Shelar | Age - 51 Y/F |
| Ref by Dr.- Siddhivinayak Hospital | Date - 23/12/2023 |

X- Ray chest (PA VIEW)

No obvious active parenchymal lesion seen in both lungs.

Cardiac and aortic shadows appear normal

No evidence of pleural of effusion is seen.

Both domes of diaphragm appear normal.

No obvious bony lesion is seen.

IMPRESSION:

- No significant abnormality seen.

Adv.: Clinical and lab correlation.

DR. MOHAMMAD SOHAIB
MBBS; DMRE
CONSULTANT RADIOLOGIST

Note: The above report represents interpretation of various radiographic / sonographic shadows, and hence has its own limitations. This report has to be co-related clinic-pathologically by the referring / physician and it does NOT represent the sole diagnosis.



23-12-2023 08:43:42 AM

Jyotason Shekar

Diagnosis Information:

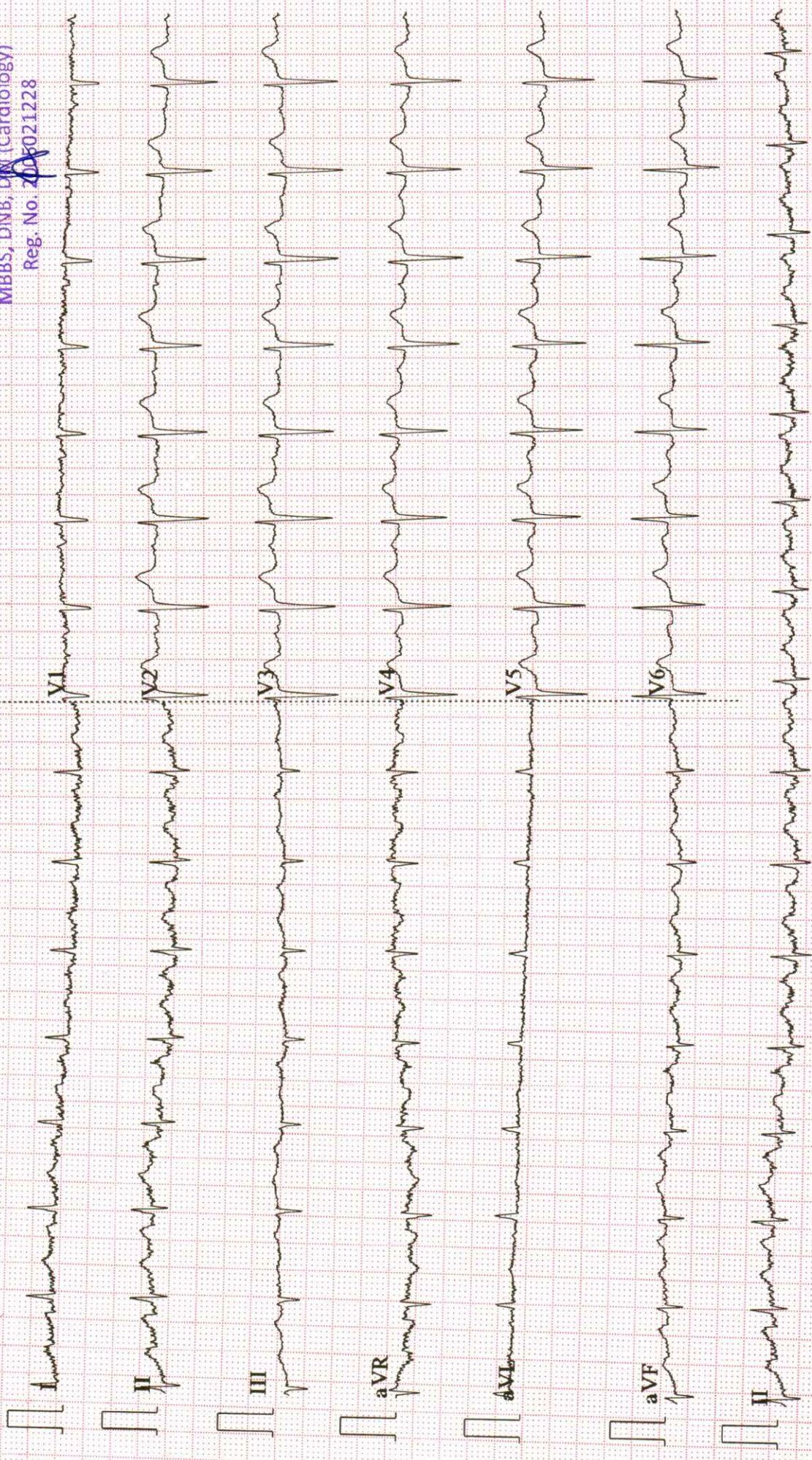
Sinus Rhythm
Normal ECG

HR : 93 bpm
P : 108 ms
PR : 182 ms
QRS : 79 ms
QT/QTcBz : 351/438 ms
P/QRS/T : 61/-3/58 °
RV5/SVI : 0.442/0.463 mV

Female
Years : 51
Req. No. : BP-180/90

Dr. Anant Ramkishanrao Munde
MBBS, DNB, DM (Cardiology)
Reg. No. 208021228

Report Confirmed by:



OPHTHAL CHECK UP SCREENING

NAME OF EMPLOYEE Mr.JYOSTNA SHELAR

AGE 51 DATE - 23.12.2023

Specs : Without Glasses

| | RT Eye | Lt Eye |
|------------------|--------|--------|
| NEAR | N/8 | N/8 |
| DISTANT | 6/6 | 6/6 |
| Color Blind Test | NORMAL | |



SIDDHIVINAYAK HOSPITALS





ECHOCARDIOGRAM

| | |
|---------------------|------------------------|
| NAME | MRS. JYOSTNA SHELAR |
| AGE/SEX | 51 YRS/F |
| REFERRED BY | SIDDHIVINAYAK HOSPITAL |
| DATE OF EXAMINATION | 23/12/2023 |

2D/M-MODE ECHOCARDIOGRAPHY

| | |
|--|--|
| VALVES: MITRAL VALVE: <ul style="list-style-type: none"> • AML: Normal • PML: Normal • Sub-valvular deformity: Absent AORTIC VALVE: Normal <ul style="list-style-type: none"> • No. of cusps: 3 PULMONARY VALVE: Normal TRICUSPID VALVE: Normal | CHAMBERS: LEFT ATRIUM: Normal <ul style="list-style-type: none"> • Left atrial appendage: Normal LEFT VENTRICLE: Normal <ul style="list-style-type: none"> • RWMA: No • Contraction: Normal RIGHT ATRIUM: Normal RIGHT VENTRICLE: Normal <ul style="list-style-type: none"> • RWMA: No • Contraction: Normal |
| GREAT VESSELS: <ul style="list-style-type: none"> • AORTA: Normal • PULMONARY ARTERY: Normal | SEPTAE: <ul style="list-style-type: none"> • IAS: Intact • IVS: Intact |
| CORONARIES: Proximal coronaries normal CORONARY SINUS: Normal | VENACAVAE: <ul style="list-style-type: none"> • SVC: Normal • IVC: Normal and collapsing >20% with respiration |
| PULMONARY VEINS: Normal | PERICARDIUM: Normal |

MEASUREMENTS:

| AORTA | | LEFT VENTRICLE STUDY | | RIGHT VENTRICLE STUDY | |
|-----------------------|----------------|----------------------|----------------|-----------------------|----------------|
| PARAMETER | OBSERVED VALUE | PARAMETER | OBSERVED VALUE | PARAMETER | OBSERVED VALUE |
| Aortic annulus | 20 mm | Left atrium | 32 mm | Right atrium | mm |
| Aortic sinus | mm | LVIDd | 49.2 mm | RVd (Base) | mm |
| Sino-tubular junction | mm | LVIDs | 33.0 mm | RVEF | % |
| Ascending aorta | mm | IVSd | 7.9 mm | TAPSE | mm |
| Arch of aorta | mm | LVPWd | 8.4 mm | MPA | mm |
| Desc. thoracic aorta | mm | LVEF | 61 % | RVOT | mm |
| Abdominal aorta | mm | LVOT | mm | IVC | 14 mm |





Name : Mrs. JYOTASAN SHELAR
Lab ID. : 178325
Age/Sex : 51 Years / Female
Ref By : SIDDHIVINAYAK HOSPITAL CGHS /ESIS

Collected On : 23/12/2023 9:36 am
Received On : 23/12/2023 9:46 am
Reported On : 23/12/2023 5:16 pm
Report Status : FINAL



***LIPID PROFILE**

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--|--------------|-------|--|
| TOTAL CHOLESTEROL (CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE) | 197.0 | mg/dL | Desirable blood cholesterol: - <200 mg/dl. Borderline high blood cholesterol: - 200 - 239 mg/dl. High blood cholesterol: - >239 mg/dl. |
| S.HDL CHOLESTEROL (DIRECT MEASURE - PEG) | 42.6 | mg/dL | Major risk factor for heart : <30 mg/dl. Negative risk factor for heart disease : >=80 mg/dl. |
| S. TRIGLYCERIDE (ENZYMATIC, END POINT) | 178.9 | mg/dL | Desirable level : <161 mg/dl. High : >= 161 - 199 mg/dl. Borderline High : 200 - 499 mg/dl. Very high : >499mg/dl. |
| VLDL CHOLESTEROL (CALCULATED VALUE) | 36 | mg/dL | UPTO 40 |
| S.LDL CHOLESTEROL (CALCULATED VALUE) | 119 | mg/dL | Optimal: <100 mg/dl. Near Optimal: 100 - 129 mg/dl. Borderline High: 130 - 159 mg/dl. High : 160 - 189mg/dl. Very high : >= 190 mg/dl. |
| LDL CHOL/HDL RATIO (CALCULATED VALUE) | 2.79 | | UPTO 3.5 |
| CHOL/HDL CHOL RATIO (CALCULATED VALUE) | 4.62 | | <5.0 |

Above reference ranges are as per ADULT TREATMENT PANEL III recommendation by NCEP (May 2015).

Result relates to sample tested, Kindly correlate with clinical findings.

----- END OF REPORT -----

Checked By
SHAISTA Q

DR. SMITA RANVEER.
M.B.B.S.M.D. Pathology(Mum)
Consultant Histocytopathologist





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URINE ROUTINE EXAMINATION

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--|-------------|-------|-----------------|
| URINE ROUTINE EXAMINATION | | | |
| PHYSICAL EXAMINATION | | | |
| VOLUME | 20ml | | |
| COLOUR | Pale yellow | Text | Pale Yellow |
| APPEARANCE | Clear | | Clear |
| CHEMICAL EXAMINATION | | | |
| REACTION (methyl red and Bromothymol blue indicator) | Acidic | | Acidic |
| SP. GRAVITY (Bromothymol blue indicator) | 1.005 | | 1.005 - 1.022 |
| PROTEIN (Protein error of PH indicator) | Absent | | Absent |
| BLOOD (Peroxidase Method) | Absent | | Absent |
| SUGAR (GOD/POD) | Absent | | Absent |
| KETONES (Acetoacetic acid) | Absent | | Absent |
| BILE SALT & PIGMENT (Diazonium Salt) | Absent | | Absent |
| UROBILINOGEN (Red azodye) | Absent | | Normal |
| LEUKOCYTES (pyrrole amino acid ester diazonium salt) | Absent | Text | Absent |
| NITRITE (Diazonium compound With tetrahydrobenzo quinolin 3-phenol) | Absent | | Negative |
| MICROSCOPIC EXAMINATION | | | |
| RED BLOOD CELLS | Absent | Text | Absent |
| PUS CELLS | 1-3 | / HPF | 0 - 5 |
| EPITHELIAL | 0-2 | / HPF | 0 - 5 |
| CASTS | Absent | | |

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URINE ROUTINE EXAMINATION

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--------------------|---------|------|-----------------|
| CRYSTALS | Absent | | |
| BACTERIA | Absent | | Absent |
| YEAST CELLS | Absent | | Absent |
| ANY OTHER FINDINGS | Absent | | Absent |

REMARK Result relates to sample tested. Kindly correlate with clinical findings.

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IMMUNO ASSAY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--|----------------|----------------------------------|-----------------|
| <u>TFT (THYROID FUNCTION TEST)</u> | | | |
| SPACE | | Space | - |
| SPECIMEN | Serum | | |
| T3 | 118.6 | ng/dl | 84.63 - 201.8 |
| T4 | 8.03 | µg/dl | 5.13 - 14.06 |
| TSH | 8.50 | µIU/ml | 0.270 - 4.20 |
| T3 (Triiodo Thyronine hormone) | T4 (Thyroxine) | TSH(Thyroid stimulating hormone) | |
| AGE | RANGE | AGE | RANGES |
| 1-30 days | 100-740 | 1-14 Days | 11.8-22.6 |
| 1-11 months | 105-245 | 1-2 weeks | 9.9-16.6 |
| 1-5 yrs | 105-269 | 1-4 months | 7.2-14.4 |
| 6-10 yrs | 94-241 | 4 -12 months | 7.8-16.5 |
| 11-15 yrs | 82-213 | 1-5 yrs | 7.3-15.0 |
| 0.1-2.5 | | | |
| 15-20 yrs | 80-210 | 5-10 yrs | 6.4-13.3 |
| 0.20-3.0 | | | |
| | | 11-15 yrs | 5.6-11.7 |
| 0.30-3.0 | | | |

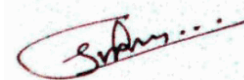
INTERPRETATION :

TSH stimulates the production and secretion of the metabolically active thyroid hormones, thyroxine (T4) and triiodothyronine (T3), by interacting with a specific receptor on the thyroid cell surface. The synthesis and secretion of TSH is stimulated by Thyrotropin releasing hormone (TRH), in response to low levels of circulating thyroid hormones. Elevated levels of T3 and T4 suppress the production of TSH via a classic negative feedback mechanism. Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction (hyperthyroidism) of T4 and/or T3.

Result relates to sample tested, Kindly correlate with clinical findings.

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HAEMATOLOGY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--------------------|--------------------------|------|-----------------|
| BLOOD GROUP | | | |
| SPECIMEN | WHOLE BLOOD EDTA & SERUM | | |
| * ABO GROUP | 'A' | | |
| RH FACTOR | POSITIVE | | |

Method: Slide Agglutination and Tube Method (Forward grouping & Reverse grouping)
Result relates to sample tested, Kindly correlate with clinical findings.
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* 1 7 8 3 2 5 *

Peripheral smear examination

| TEST NAME | RESULTS |
|-------------------|---|
| SPECIMEN RECEIVED | Whole Blood EDTA |
| RBC | Normocytic Normochromic |
| WBC | Total leucocyte count is normal on smear. Neutrophils:55 % Lymphocytes:37 % Monocytes:06 % Eosinophils:02 % Basophils:00 % |
| PLATELET | Adequate on smear. |
| HEMOPARASITE | No parasite seen. |

Result relates to sample tested, Kindly correlate with clinical findings.
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LIVER FUNCTION TEST

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|--|---------|-------|-----------------|
| TOTAL BILLIRUBIN (Method-Diazo) | 0.42 | mg/dL | 0.0 - 2.0 |
| DIRECT BILLIRUBIN (Method-Diazo) | 0.15 | mg/dL | 0.0 - 0.4 |
| INDIRECT BILLIRUBIN Calculated | 0.27 | mg/dL | 0 - 0.8 |
| SGOT(AST) (UV without PSP) | 10.0 | U/L | 0 - 37 |
| SGPT(ALT) UV Kinetic Without PLP (P-L-P) | 9.1 | U/L | UP to 40 |
| ALKALINE PHOSPHATASE (Method-ALP-AMP) | 67.0 | U/L | 42 - 98 |
| S. PROTIEN (Method-Biuret) | 6.56 | g/dl | 6.4 - 8.3 |
| S. ALBUMIN (Method-BCG) | 3.84 | g/dl | 3.5 - 5.2 |
| S. GLOBULIN Calculated | 2.72 | g/dl | 1.90 - 3.50 |
| A/G RATIO Calculated | 1.41 | | 0 - 2 |

Result relates to sample tested, Kindly correlate with clinical findings.

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HAEMATOLOGY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|----------------------------------|-------------------------|----------------------|-----------------|
| HEMOGLOBIN | 12.1 | gm/dl | 12.0 - 15.0 |
| HEMATOCRIT (PCV) | 36.3 | % | 36 - 46 |
| RBC COUNT | 4.00 | x10 ⁶ /uL | 4.5 - 5.5 |
| MCV | 91 | fl | 80 - 96 |
| MCH | 30.3 | pg | 27 - 33 |
| MCHC | 33 | g/dl | 33 - 36 |
| RDW-CV | 13.1 | % | 11.5 - 14.5 |
| TOTAL LEUCOCYTE COUNT | 8170 | /cumm | 4000 - 11000 |
| <u>DIFFERENTIAL COUNT</u> | | | |
| NEUTROPHILS | 53 | % | 40 - 80 |
| LYMPHOCYTES | 39 | % | 20 - 40 |
| EOSINOPHILS | 02 | % | 0 - 6 |
| MONOCYTES | 06 | % | 2 - 10 |
| BASOPHILS | 00 | % | 0 - 1 |
| PLATELET COUNT | 263000 | /cumm | 150000 - 450000 |
| MPV | 11.9 | fl | 6.5 - 11.5 |
| PDW | 15.6 | % | 9.0 - 17.0 |
| PCT | 0.310 | % | 0.200 - 0.500 |
| RBC MORPHOLOGY | Normocytic Normochromic | | |
| WBC MORPHOLOGY | Normal | | |
| PLATELETS ON SMEAR | Adequate | | |

Method : EDTA Whole Blood- Tests done on Automated Six Part Cell Counter.RBC and Platelet count by Electric Impedance ,WBC by SF Cube method and Differential by flow cytometry . Hemoglobin by Cyanide free reagent for hemoglobin test (Colorimetric Method).Rest are calculated parameters.

ESR

ESR 40 mm/1hr. 0 - 20

METHOD - WESTERGREN

Result relates to sample tested, Kindly correlate with clinical findings.

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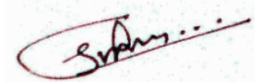
BIOCHEMISTRY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|--------------|-------|--|
| <u>GLYCOCELATED HEMOGLOBIN (HBA1C)</u> | | | |
| HBA1C (GLYCOSALATED HAEMOGLOBIN) | 5.5 | % | Hb A1c > 8 Action suggested < 7 Goal < 6 Non - diabetic level |
| AVERAGE BLOOD GLUCOSE (A. B. G.) | 111.2 | mg/dL | 65.1 - 136.3 |
| METHOD Particle Enhanced Immunoturbidimetry | | | |
| HbA1c : Glycosylated hemoglobin concentration is dependent on the average blood glucose concentration which is formed progressively and irreversibly over a period of time and is stable till the life of the RBC/erythrocytes.Average Blood Glucose (A.B.G) is calculated value from HbA1c : Glycosylated hemoglobin concentration in whole Blood.It indicates average blood sugar level over past three months. | | | |
| <u>BLOOD GLUCOSE FASTING & PP</u> | | | |
| BLOOD GLUCOSE FASTING | 86.7 | mg/dL | 70 - 110 |
| BLOOD GLUCOSE PP | 174.9 | mg/dL | 70 - 140 |

Method (GOD-POD). DONE ON FULLY AUTOMATED ANALYSER (EM200).

1. Fasting is required (Except for water) for 8-10 hours before collection for fasting speciman. Last dinner should consist of bland diet.
2. Don't take insulin or oral hypoglycemic agent until after fasting blood sample has been drawn

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BIOCHEMISTRY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|-----------|---------|------|-----------------|
|-----------|---------|------|-----------------|

INTERPRETATION

- Normal glucose tolerance : 70-110 mg/dl
- Impaired Fasting glucose (IFG) : 110-125 mg/dl
- Diabetes mellitus : ≥ 126 mg/dl

POSTPRANDIAL/POST GLUCOSE (75 grams)

- Normal glucose tolerance : 70-139 mg/dl
- Impaired glucose tolerance : 140-199 mg/dl
- Diabetes mellitus : ≥ 200 mg/dl

CRITERIA FOR DIAGNOSIS OF DIABETES MELLITUS

- Fasting plasma glucose ≥ 126 mg/dl
- Classical symptoms + Random plasma glucose ≥ 200 mg/dl
- Plasma glucose ≥ 200 mg/dl (2 hrs after 75 grams of glucose)
- Glycosylated haemoglobin $> 6.5\%$

***Any positive criteria should be tested on subsequent day with same or other criteria.

| | | | |
|---|------------|-------|-----------|
| BLOOD UREA (Urease UV GLDH Kinetic) | 40.4 | mg/dL | 21 - 43 |
| BLOOD UREA NITROGEN (Calculated) | 18.88 | mg/dL | 5 - 20 |
| S. CREATININE (Enzymatic) | 1.20 | mg/dL | 0.6 - 1.4 |
| S. URIC ACID (Uricase) | 6.7 | mg/dL | 2.6 - 6.0 |
| S. SODIUM (ISE Direct Method) | 140.7 | mEq/L | 137 - 145 |
| S. POTASSIUM (ISE Direct Method) | 4.66 | mEq/L | 3.5 - 5.1 |
| S. CHLORIDE (ISE Direct Method) | 102.6 | mEq/L | 98 - 110 |
| S. PHOSPHORUS | 4.41 | mg/dL | 2.5 - 4.5 |

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BIOCHEMISTRY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|----------------------|---|-------|-----------------|
| (Ammonium Molybdate) | | | |
| S. CALCIUM | 9.6 | mg/dL | 8.6 - 10.2 |
| (Arsenazo III) | | | |
| PROTEIN | 6.56 | g/dl | 6.4 - 8.3 |
| (Biuret) | | | |
| S. ALBUMIN | 3.84 | g/dl | 3.2 - 4.6 |
| (BGC) | | | |
| S.GLOBULIN | 2.72 | g/dl | 1.9 - 3.5 |
| (Calculated) | | | |
| A/G RATIO | 1.41 | | 0 - 2 |
| calculated | | | |
| NOTE | BIOCHEMISTRY TEST DONE ON FULLY AUTOMATED (EM 200) ANALYZER. | | |
| GAMMA GT | 16.1 | U/L | 5 - 55 |

Result relates to sample tested, Kindly correlate with clinical findings.

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