08/03/2024.

Prachi Jagannath rao Gulhane
35yrs/ female

No fresh complaints.
No co morbidities.
NO P/H
No S/H.
LMP- 17/02/2024, regular

Ht - 152cm
Wt - 72.1kg
BMI - 31.2kg/m²
(obese class I)

O/H - $G_1P_1A_0L_1D_0$
$G_1$ - female, 7yrs, FTND, healthy

F/H - Mother - healthy
father - HTN.

BP - 100/60 mmHg
P - 72/min
$SpO_2$ - 98%.

Pt is fit and can resume her normal duties

SIDDHIVINAYAK HOSPITAL

# ECHOCARDIOGRAM

| | |
|---|---|
| NAME | MRS. PRACHI GULANE |
| AGE/SEX | 35 YRS/F |
| REFERRED BY | SIDDHIVINAYAK HOSPITAL |
| DATE OF EXAMINATION | 08/03/2024 |

## 2D/M-MODE ECHOCARDIOGRAPHY

**VALVES:**

MITRAL VALVE:
- AML: Normal
- PML: Normal
- Sub-valvular deformity: Absent

AORTIC VALVE: Normal
- No. of cusps: 3

PULMONARY VALVE: Normal

TRICUSPID VALVE: Normal

**CHAMBERS:**

LEFT ATRIUM: Normal
- Left atrial appendage: Normal

LEFT VENTRICLE: Normal
- RWMA: No
- Contraction: Normal

RIGHT ATRIUM: Normal

RIGHT VENTRICLE: Normal
- RWMA: No
- Contraction: Normal

**GREAT VESSELS:**
- AORTA: Normal
- PULMONARY ARTERY: Normal

**SEPTAE:**
- IAS: Intact
- IVS: Intact

**CORONARIES:** Proximal coronaries normal

**VENACAVAE:**
- SVC: Normal
- IVC: Normal and collapsing >20% with respiration

**CORONARY SINUS:** Normal

**PULMONARY VEINS:** Normal

**PERICARDIUM:** Normal

**MEASUREMENTS:**

| AORTA | | LEFT VENTRICLE STUDY | | RIGHT VENTRICLE STUDY | |
|---|---|---|---|---|---|
| PARAMETER | OBSERVED VALUE | PARAMETER | OBSERVED VALUE | PARAMETER | OBSERVED VALUE |
| Aortic annulus | 19 mm | Left atrium | 32 mm | Right atrium | mm |
| Aortic sinus | mm | LVIDd | 40.8 mm | RVd (Base) | mm |
| Sino-tubular junction | mm | LVIDs | 24.6 mm | RVEF | % |
| Ascending aorta | mm | IVSd | 6.8 mm | TAPSE | mm |
| Arch of aorta | mm | LVPWd | 6.9 mm | MPA | mm |
| Desc. thoracic aorta | mm | LVEF | 70 % | RVOT | mm |
| Abdominal aorta | mm | LVOT | mm | IVC | 14 mm |

| | |
|---|---|
| Name – Mrs. Prachi Gulhane | Age – 35 Y/F |
| Ref by Dr.- Siddhivinayak Hospital | Date – 08/03/2024 |

## USG ABDOMEN & PELVIS

**FINDINGS:**

**The liver dimension is enlarged in size (16.9 cm ).** It appears normal in morphology with normal echogenicity. No evidence of intrahepatic ductal dilatation.

The **GB**-gallbladder is distended normally with no stones within.

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

The **pancreas** appears normal in morphology.

The **spleen** is normal in size (9.5 cm) and morphology

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

The right kidney measures 10.1 x 4.3 cm.

The left kidney measures 10.9 x 4.9 cm.

**Urinary bladder**: normally distended. Wall thickness – normal.

**Uterus**: is normal in size

**Endometrium: 6.0** mm, it appears normal in morphology.

Both ovaries are normal in size.

**Adnexa** appear normal

No free fluid is seen.

**IMPRESSION:**

- **Hepatomegaly**

DR. AMOL BENDRE
MBBS; DMRE
CONSULTANT RADIOLOGIST

1052

ale Years
. No. :

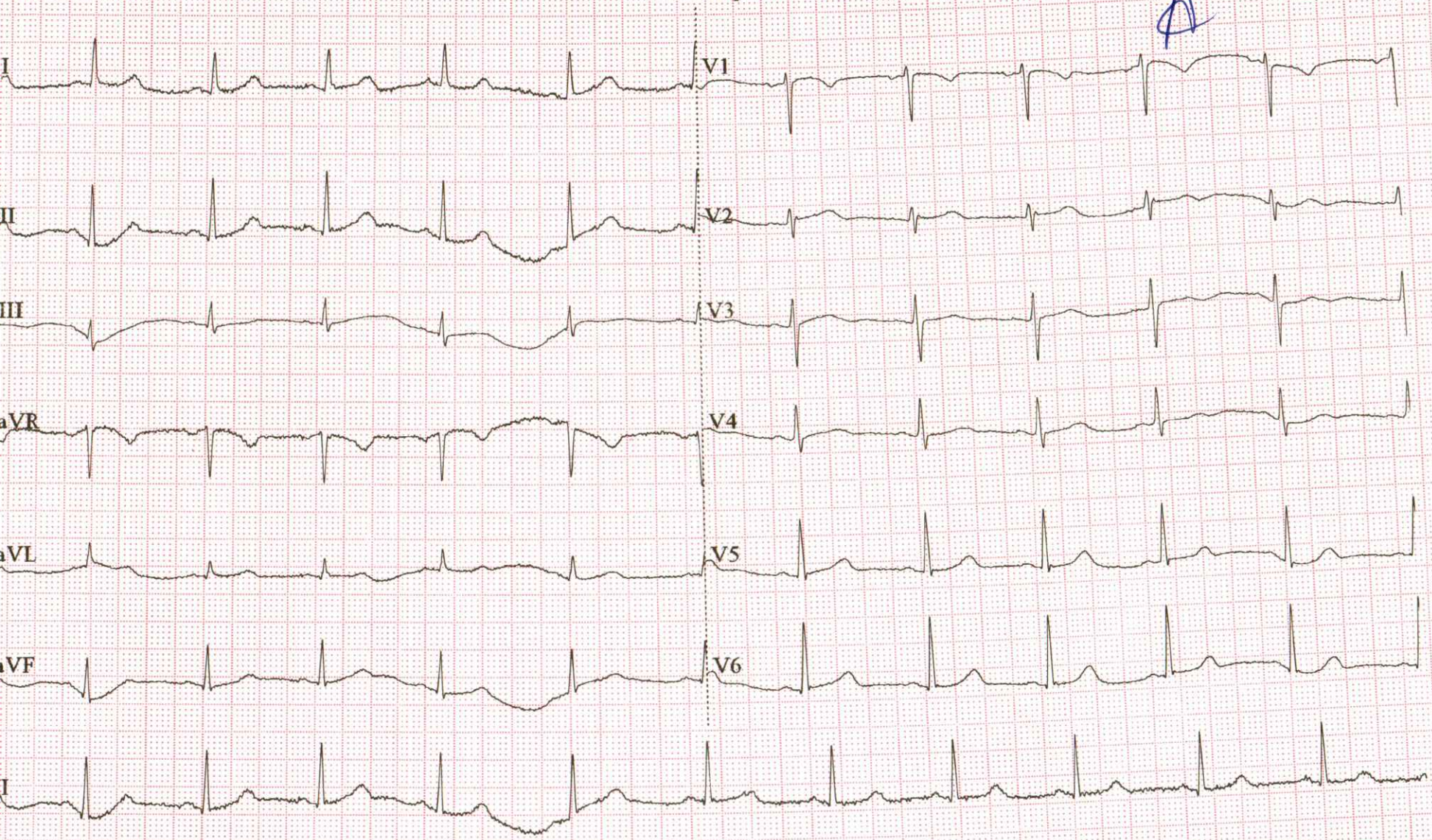
08-03-2024 08:24:12 AM

| | | |
|---|---|---|
| HR | : 69 | bpm |
| P | : 80 | ms |
| PR | : 128 | ms |
| QRS | : 85 | ms |
| QT/QTcBz | : 412/444 | ms |
| P/QRS/T | : 50/43/22 | ° |
| RV5/SV1 | : 1.040/0.874 | mV |

Diagnosis Information:
Sinus Rhythm
***Normal ECG***

Mrs Prachi Gulhane
SpO2 96+-
P - 72bpm
BP - 100|60
Wt 72kg
Ht 152cm

Report Confirmed by:




0.15~45Hz AC50 25mm/s 10mm/mV 2*5.0s+1r V2.21 SEMIP V1.92 Siddhivinayak Hospital

| | |
|---|---|
| **Name – Mrs. PRACHI GHULANE** | **Age - 35 Y/F** |
| **Ref by Dr.- Siddhivinayak Hospital** | **Date – 08 /03/2024** |

## 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. AMOL BENDRE**
**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.**

MC-6135

Dr. Smita Ranveer`s

# Radiance

CLINICAL DIAGNOSTIC CENTRE

COMPLETE PATHOLOGICAL SOLUTION

| | | | |
|---|---|---|---|
| **Name** | : Mrs. PRACHI GULHANE (A) | **Collected On** | : 8/3/2024 8:52 am |
| **Lab ID.** | : 186068 | **Received On** | : 8/3/2024 9:02 am |
| **Age/Sex** | : 35 Years / Female | **Reported On** | : 8/3/2024 6:29 pm |
| **Ref By** | : SIDDHIVINAYAK HOSPITAL CGHS /ESIS | **Report Status** | : FINAL |

*186068*

## *LIPID PROFILE

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **TOTAL CHOLESTEROL (CHOLESTEROL OXIDASE,ESTERASE,PEROXIDASE)** | 167.0 | mg/dL | Desirable blood cholesterol: - <200 mg/dl.<br>Borderline high blood cholesterol: - 200 - 239 mg/dl.<br>High blood cholesterol: - >239 mg/dl. |
| **S.HDL CHOLESTEROL (DIRECT MEASURE - PEG)** | **38.7** | mg/dL | Major risk factor for heart :<30 mg/dl.<br>Negative risk factor for heart disease :>=80 mg/dl. |
| **S. TRIGLYCERIDE (ENZYMATIC, END POINT)** | **178.0** | mg/dL | Desirable level : <161 mg/dl.<br>High :>= 161 - 199 mg/dl.<br>Borderline High :200 - 499 mg/dl.<br>Very high :>499mg/dl. |
| **VLDL CHOLESTEROL (CALCULATED VALUE)** | 36 | mg/dL | UPTO 40 |
| **S.LDL CHOLESTEROL (CALCULATED VALUE)** | 93 | mg/dL | Optimal:<100 mg/dl.<br>Near Optimal: 100 - 129 mg/dl.<br>Borderline High: 130 - 159 mg/dl.<br>High : 160 - 189mg/dl.<br>Very high :>= 190 mg/dl. |
| **LDL CHOL/HDL RATIO (CALCULATED VALUE)** | 2.40 | | UPTO 3.5 |
| **CHOL/HDL CHOL RATIO (CALCULATED VALUE)** | 4.32 | | <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**



24 HOURS 7

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*186068*

## COMPLETE BLOOD COUNT

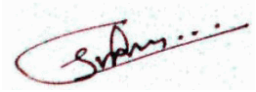
| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **HEMOGLOBIN** | 12.8 | gm/dl | 12.0 - 15.0 |
| HEMATOCRIT (PCV) | 38.4 | % | 36 - 46 |
| RBC COUNT | 4.81 | x10^6/uL | 4.5 - 5.5 |
| MCV | 80 | fl | 80 - 96 |
| MCH | **26.6** | pg | 27 - 33 |
| MCHC | 33 | g/dl | 33 - 36 |
| RDW-CV | 13.3 | % | 11.5 - 14.5 |
| **TOTAL LEUCOCYTE COUNT** | 8090 | /cumm | 4000 - 11000 |
| **DIFFERENTIAL COUNT** | | | |
| NEUTROPHILS | 50 | % | 40 - 80 |
| LYMPHOCYTES | 35 | % | 20 - 40 |
| EOSINOPHILS | **09** | % | 0 - 6 |
| MONOCYTES | 06 | % | 2 - 10 |
| BASOPHILS | 00 | % | 0 - 1 |
| **PLATELET COUNT** | 384000 | / cumm | 150000 - 450000 |
| MPV | 9.6 | fl | 6.5 - 11.5 |
| PDW | 15.8 | % | 9.0 - 17.0 |
| PCT | 0.370 | % | 0.200 - 0.500 |
| RBC MORPHOLOGY | Normocytic Normochromic | | |
| WBC MORPHOLOGY | Mild Eosinophilia | | |
| 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.

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

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

**Checked By**
SHAISTA Q



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MC-6135

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*186068*

## URINE ROUTINE EXAMINATION

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **URINE ROUTINE EXAMINATION** | | | |
| **PHYSICAL EXAMINATION** | | | |
| VOLUME | 05ml | | |
| COLOUR | Pale Yellow | | Pale Yellow |
| APPEARANCE | Slightly hazy | | Clear |
| **CHEMICAL EXAMINATION** | | | |
| REACTION | Acidic | | Acidic |
| (methyl red and Bromothymol blue indicator) | | | |
| SP. GRAVITY | 1.010 | | 1.005 - 1.022 |
| (Bromothymol blue indicator) | | | |
| PROTEIN | Present(Trace) | | Absent |
| (Protein error of PH indicator) | | | |
| BLOOD | Absent | | Absent |
| (Peroxidase Method) | | | |
| SUGAR | Absent | | Absent |
| (GOD/POD) | | | |
| KETONES | Absent | | Absent |
| (Acetoacetic acid) | | | |
| BILE SALT & PIGMENT | Absent | | Absent |
| (Diazonium Salt) | | | |
| UROBILINOGEN | Normal | | Normal |
| (Red azodye) | | | |
| LEUKOCYTES | Present(Trace) | | Absent |
| (pyrrole amino acid ester diazonium salt) | | | |
| NITRITE | Absent | | Negative |
| (Diazonium compound With tetrahydrobenzo quinolin 3-phenol) | | | |
| **MICROSCOPIC EXAMINATION** | | | |
| RED BLOOD CELLS | Absent | / HPF | Absent |
| PUS CELLS | 10-12 | / HPF | 0 - 5 |
| EPITHELIAL | 18-20 | / HPF | 0 - 5 |
| CASTS | Absent | | |

**Checked By**
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*186068*

## URINE ROUTINE EXAMINATION

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| CRYSTALS | Absent | | |
| BACTERIA | Present(Few) | | Absent |
| YEAST CELLS | Absent | | Absent |
| ANY OTHER FINDINGS | Absent | | Absent |
| REMARK | Result relates to sample tested. Kindly correlate with clinical findings. | | |

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

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

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*186068*

## IMMUNO ASSAY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **TFT (THYROID FUNCTION TEST )** | | | |
| SPECIMEN | Serum | | |
| T3 | 98.79 | ng/dl | 84.63 - 201.8 |
| T4 | 7.35 | µg/dl | 5.13 - 14.06 |
| TSH | 3.83 | µIU/ml | 0.270 - 4.20 |

DONE ON FULLY AUTOMATED ANALYSER COBAS e411.

INTERPRETATION

T3 (Triiodo Thyronine)

| AGE | RANGE |
|---|---|
| 1-30 days | 100-740 |
| 1-11 months | 105-245 |
| 1-5 years | 105-269 |
| 6-10 years | 94-241 |
| 11-15 years | 82-213 |
| 15-20 years | 80-210 |

T4 (Thyroxine)

| AGE | RANGES |
|---|---|
| 1-14 Days | 11.8-22.6 |
| 1-2 weeks | 9.9-16.6 |
| 1-4 months | 7.2-14.4 |
| 4-12months | 7.8-16.5 |
| 1-5 years | 7.3-15.0 |
| 5-10 years | 6.4-13.3 |
| 11-15 years | 5.6-11.7 |

TSH(Thyroid stimulating hormone)

| AGE | RANGES |
|---|---|
| 0-14 Days | 1.0-39 |
| 2 weeks -5 months | 1.7-9.1 |
| 6 months-20 years | 0.7-6.4 |
| Pregnancy | |
| 1st Trimester | 0.1-2.5 |
| 2nd Trimester | 0.20-3.0 |
| 3rd Trimester | 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.

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*186068*

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

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*186068*

## HAEMATOLOGY

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

Method: Slide Agglutination and Tube Method (Forward grouping & Reverse grouping)

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

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

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*186068*

## *RENAL FUNCTION TEST

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **BLOOD UREA** (Urease UV GLDH Kinetic) | 18.5 | mg/dL | 13 - 40 |
| **BLOOD UREA NITROGEN** (Calculated) | 8.64 | mg/dL | 5 - 20 |
| **S. CREATININE** (Enzymatic) | 0.62 | mg/dL | 0.6 - 1.4 |
| **S. URIC ACID** (Uricase) | 5.1 | mg/dL | 2.6 - 6.0 |
| **S. SODIUM** (ISE Direct Method) | 136.5 | mEq/L | 137 - 145 |
| **S. POTASSIUM** (ISE Direct Method) | 3.80 | mEq/L | 3.5 - 5.1 |
| **S. CHLORIDE** (ISE Direct Method) | 98.2 | mEq/L | 98 - 110 |
| **S. PHOSPHORUS** (Ammonium Molybdate) | 3.1 | mg/dL | 2.5 - 4.5 |
| **S. CALCIUM** (Arsenazo III) | 9.2 | mg/dL | 8.6 - 10.2 |
| **PROTEIN** (Biuret) | 6.96 | g/dl | 6.4 - 8.3 |
| **S. ALBUMIN** (BGC) | 3.81 | g/dl | 3.2 - 4.6 |
| **S.GLOBULIN** (Calculated) | 3.15 | g/dl | 1.9 - 3.5 |
| **A/G RATIO** calculated | 1.21 | | 0 - 2 |

NOTE BIOCHEMISTRY TEST DONE ON FULLY AUTOMATED ( EM 200) ANALYZER.

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

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

**Checked By**
SHAISTA Q

**DR. SMITA RANVEER.**
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**Consultant Histocytopathologist**



24 HOURS
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| **Lab ID.** | : **186068** | **Received On** | : **8/3/2024 9:02 am** |
| **Age/Sex** | : **35 Years / Female** | **Reported On** | : **8/3/2024 6:29 pm** |
| **Ref By** | : **SIDDHIVINAYAK HOSPITAL CGHS /ESIS** | **Report Status** | : **FINAL** |

*186068*

## Peripheral smear examination

| TEST NAME | RESULTS |
|---|---|
| SPECIMEN RECEIVED | Whole Blood EDTA |
| RBC | Normocytic Normochromic |
| WBC | Total leucocyte count is normal on smear,Eosinophils are increased.<br><br>Neutrophils:51 %<br>Lymphocytes:35 %<br>Monocytes:05 %<br>Eosinophils:09 %<br>Basophils:00 % |
| PLATELET | Adequate on smear. |
| HEMOPARASITE | No parasite seen. |
| IMPRESSION | Eosinophilia |

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

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

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*186068*

## LIVER FUNCTION TEST

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **TOTAL BILLIRUBIN** (Method-Diazo) | 0.45 | mg/dL | 0.2 - 1.2 |
| **DIRECT BILLIRUBIN** (Method-Diazo) | 0.22 | mg/dL | 0.0 - 0.4 |
| **INDIRECT BILLIRUBIN** Calculated | 0.23 | mg/dL | 0 - 0.8 |
| **SGOT(AST)** (UV without PSP) | 15.7 | U/L | 0 - 37 |
| **SGPT(ALT)** UV Kinetic Without PLP (P-L-P) | 18.3 | U/L | UP to 40 |
| **ALKALINE PHOSPHATASE** (Method-ALP-AMP) | 63.0 | U/L | 42 - 98 |
| **S. PROTIEN** (Method-Biuret) | 6.96 | g/dl | 6.4 - 8.3 |
| **S. ALBUMIN** (Method-BCG) | 3.81 | g/dl | 3.5 - 5.2 |
| **S. GLOBULIN** Calculated | 3.15 | g/dl | 1.90 - 3.50 |
| **A/G RATIO** Calculated | 1.21 | | 0 - 2 |

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

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

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*186068*

## HAEMATOLOGY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **ESR** | | | |
| **ESR** | 15 | mm/1hr. | 0 - 20 |

METHOD - WESTERGREN

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

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

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## BIOCHEMISTRY

| TEST NAME | RESULTS | UNIT | REFERENCE RANGE |
|---|---|---|---|
| **GLYCOCELATED HEMOGLOBIN (HBA1C)** | | | |
| HBA1C (GLYCOSALATED HAEMOGLOBIN) | 5.8 | % | Hb A1c<br>> 8 Action suggested<br>< 7 Goal<br>< 6 Non - diabetic level |
| AVERAGE BLOOD GLUCOSE (A. B. G. ) | 119.8 | 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.

| | | | |
|---|---|---|---|
| **BLOOD GLUCOSE FASTING & PP** | | | |
| BLOOD GLUCOSE FASTING | 98.8 | mg/dL | 70 - 110 |
| BLOOD GLUCOSE PP | 136.8 | 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.

| | | | |
|---|---|---|---|
| GAMMA GT | 24.8 | U/L | 5 - 55 |

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

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

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