

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Sunil N MRN : 2015000001063 Gender/Age : MALE , 31y (21/06/1992)

Collected On : 12/08/2023 08:50 AM Received On : 12/08/2023 11:38 AM Reported On : 12/08/2023 03:17 PM

Barcode : 1B2308120012 Specimen : Whole Blood Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9553188550

NARAYANA HRUDAYALAYA BLOOD CENTRE

| Test | Result | Unit |
|------|--------|------|
|------|--------|------|

BLOOD GROUP & RH TYPING

| | | |
|---|----------|---|
| Blood Group (Column Agglutination Technology) | O | - |
| RH Typing (Column Agglutination Technology) | Positive | - |



Dr. Prathip Kumar B R
MBBS,MD, Immunohaematology & Blood Transfusion
Consultant

CLINICAL PATHOLOGY

| Test | Result | Unit |
|------|--------|------|
|------|--------|------|

| | | |
|--|-------------|---|
| Urine For Sugar (Fasting) (Enzyme Method (GOD POD)) | Not Present | - |
|--|-------------|---|



Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry

BIOCHEMISTRY

| Test | Result | Unit | Biological Reference Interval |
|------|--------|------|-------------------------------|
|------|--------|------|-------------------------------|

Page 1 of 7

Narayana Institute of Cardiac Sciences

(A Unit of Narayana Hrudayalaya Limited) CIN: L85110KA2000PLC027497

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Hospital Address: NH Health City, 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099

Email: info.nics@narayanahealth.org | www.narayanahealth.org



Appointments
1800-309-0309

Emergencies
97384 97384

| | | | |
|---|--------------|-------|---|
| Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992) | | | |
| Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase) | 100 H | mg/dL | 70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020 |
| Post Prandial Blood Sugar (PPBS) (Colorimetric - Glucose Oxidase Peroxidase) | 90 | mg/dL | 70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020 |
| HbA1c | | | |
| HbA1c (HPLC NGSP Certified) | 5.5 | % | Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020 |
| Estimated Average Glucose (Calculated) | 111.15 | - | - |

Interpretation:

- HbA1c above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1c>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- HbA1c measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- Any sample with >15% should be suspected of having a haemoglobin variant.

SERUM CREATININE

| | | | |
|--|------|---------------------------|--|
| Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase) | 0.98 | mg/dL | 0.66-1.25 |
| eGFR (Calculated) | 89.3 | mL/min/1.73m ² | Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age. |
| Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease) | 12 | mg/dL | 9.0-20.0 |
| Serum Uric Acid (Colorimetric - Uricase,Peroxidase) | 7.20 | mg/dL | 3.5-8.5 |

LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)

| | | | |
|--|-----|-------|---|
| Cholesterol Total (Colorimetric - Cholesterol Oxidase) | 166 | mg/dL | Desirable: < 200 Borderline High: 200-239 High: > 240 |
| Triglycerides (Colorimetric - Lip/Glycerol Kinase) | 136 | mg/dL | Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500 |

| | | | |
|--|--------------|-------|---|
| Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992) | | | |
| HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method) | 39 L | mg/dL | 40.0-60.0 |
| Non-HDL Cholesterol (Calculated) | 127.0 | mg/dL | Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220 |
| LDL Cholesterol (Colorimetric) | 117 L | mg/dL | Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190 |
| VLDL Cholesterol (Calculated) | 27.2 | mg/dL | 0.0-40.0 |
| Cholesterol /HDL Ratio (Calculated) | 4.3 | - | 0.0-5.0 |

LIVER FUNCTION TEST(LFT)

| | | | |
|--|------|-------|------------|
| Bilirubin Total (Colorimetric -Diazo Method) | 0.90 | mg/dL | 0.2-1.3 |
| Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry) | 0.00 | mg/dL | 0.0-0.3 |
| Unconjugated Bilirubin (Indirect) (Calculated) | 0.9 | mg/dL | 0.0-1.1 |
| Total Protein (Colorimetric - Biuret Method) | 7.40 | gm/dL | 6.3-8.2 |
| Serum Albumin (Colorimetric - Bromo-Cresol Green) | 4.60 | gm/dL | 3.5-5.0 |
| Serum Globulin (Calculated) | 2.81 | gm/dL | 2.0-3.5 |
| Albumin To Globulin (A/G)Ratio (Calculated) | 1.64 | - | 1.0-2.1 |
| SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) | 34 | U/L | 17.0-59.0 |
| SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) | 29 | U/L | <50.0 |
| Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer) | 67 | U/L | 38.0-126.0 |
| Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method)) | 30 | U/L | 15.0-73.0 |

Interpretation Notes

Patient Name : Mr Sunil N MRN : 2015000001063 Gender/Age : MALE , 31y (21/06/1992)

- Indirect Bilirubin result is a calculated parameter (Indirect Bilirubin = Total Bilirubin - Direct Bilirubin). Indirect bilirubin result includes the delta bilirubin fraction also. Delta Bilirubin is the bilirubin which is covalently bound to albumin. Delta Bilirubin is not expected to be present in healthy adults or neonates.

THYROID PROFILE (T3, T4, TSH)

| | | | |
|--|-------|--------|-----------|
| Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence) | 1.44 | ng/mL | 0.97-1.69 |
| Thyroxine (T4) (Enhanced Chemiluminescence) | 9.54 | µg/dl | 5.53-11.0 |
| TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence) | 1.407 | µIU/mL | 0.4-4.049 |

Interpretation Notes

- TSH levels are subjected to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm . The variation is of the order of 50% , hence time of the day has influence on the measured serum TSH concentrations. Alteration in concentration of Thyroid hormone binding protein can profoundly affect Total T3 and/or Total T4 levels especially in pregnancy and in patients on steroid therapy. Unbound fraction (Free,T4 /Free,T3) of thyroid hormone is biologically active form and correlate more closely with clinical status of the patient than total T4/T3 concentration.



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry



Mrs. Latha B S
MSc, Mphil, Biochemistry
Incharge, Consultant Biochemistry

HEMATOLOGY

| Test | Result | Unit | Biological Reference Interval |
|--|--------|------------|-------------------------------|
| COMPLETE BLOOD COUNT (CBC) | | | |
| Haemoglobin (Hb%) (Photometric Measurement) | 15.6 | g/dL | 13.0-17.0 |
| Red Blood Cell Count (Electrical Impedance) | 5.12 | million/µl | 4.5-5.5 |
| PCV (Packed Cell Volume) / Hematocrit (Calculated) | 45.0 | % | 40.0-50.0 |
| MCV (Mean Corpuscular Volume) (Derived) | | fL | 83.0-101.0 |

Page 4 of 7

Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992)

| | | | |
|--|---------------|---|-------------|
| | 88.0 | | |
| MCH (Mean Corpuscular Haemoglobin) (Calculated) | 30.6 | pg | 27.0-32.0 |
| MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated) | 34.7 H | % | 31.5-34.5 |
| Red Cell Distribution Width (RDW) (Derived) | 13.6 | % | 11.6-14.0 |
| Platelet Count (Electrical Impedance Plus Microscopy) | 263 | $10^3/\mu\text{L}$ | 150.0-450.0 |
| Mean Platelet Volume (MPV) | 8.8 | fL | 7.0-11.7 |
| Total Leucocyte Count(WBC) (Electrical Impedance) | 8.0 | $10^3/\mu\text{L}$ | 4.0-10.0 |
| DIFFERENTIAL COUNT (DC) | | | |
| Neutrophils (VCS Technology Plus Microscopy) | 58.7 | % | 40.0-75.0 |
| Lymphocytes (VCS Technology Plus Microscopy) | 27.1 | % | 20.0-40.0 |
| Monocytes (VCS Technology Plus Microscopy) | 9.7 | % | 2.0-10.0 |
| Eosinophils (VCS Technology Plus Microscopy) | 3.4 | % | 1.0-6.0 |
| Basophils (VCS Technology Plus Microscopy) | 1.1 | % | 0.0-2.0 |
| Absolute Neutrophil Count (Calculated) | 4.7 | $\times 10^3 \text{ cells}/\mu\text{l}$ | 2.0-7.0 |
| Absolute Lymphocyte Count (Calculated) | 2.17 | $\times 10^3 \text{ cells}/\mu\text{l}$ | 1.0-3.0 |
| Absolute Monocyte Count (Calculated) | 0.78 | $\times 10^3 \text{ cells}/\mu\text{l}$ | 0.2-1.0 |
| Absolute Eosinophil Count (Calculated) | 0.28 | $\times 10^3 \text{ cells}/\mu\text{l}$ | 0.02-0.5 |
| Absolute Basophil Count (Calculated) | 0.09 | - | - |

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

Interpretation Notes

- Haemoglobin , RBC Count and PCV: If below reference range, indicates Anemia. Further evaluation is suggested .

Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992)

RBC Indices aid in typing of anemia.
WBC Count: If below reference range, susceptibility to infection.
If above reference range- Infection*
If very high in lakhs-Leukemia
Neutrophils -If above reference range-acute infection, mostly bacterial
Lymphocytes -If above reference range-chronic infection/ viral infection
Monocytes -If above reference range- TB,Typhoid,UTI
Eosinophils -If above reference range -Allergy,cough,Common cold,Asthma & worms
Basophils - If above reference range, Leukemia, allergy
Platelets: If below reference range- bleeding disorder, Dengue, drug- induced, malignancies
* In bacterial infection with fever total WBC count increases.
Eg Tonsillitis,Sinusitis,Bronchitis,Pneumonia,Appendicitis,UTI -12000-25000 cells/cumm.
In typhoid and viral fever WBC may be normal.

DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert.



Dr. Deepak M B
MD, PDF, Hematopathology
Consultant

HEMATOLOGY

| Test | Result | Unit | Biological Reference Interval |
|--|--------|--------|-------------------------------|
| Erythrocyte Sedimentation Rate (ESR) (Westergren Method) | 10 | mm/1hr | 0.0-10.0 |

Interpretation Notes

- ESR high - Infections, chronic disorders,, plasma cell dyscrasias.

DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert

--End of Report-



Dr. Hema S
MD, DNB, Pathology
Associate Consultant

Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992)

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.
(Fasting Blood Sugar (FBS), -> Auto Authorized)
(Lipid Profile, -> Auto Authorized)
(CR, -> Auto Authorized)
(LFT, -> Auto Authorized)
(, -> Auto Authorized)
(Uric Acid, -> Auto Authorized)
(Blood Urea Nitrogen (Bun), -> Auto Authorized)
(Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Sunil N MRN : 2015000001063 Gender/Age : MALE , 31y (21/06/1992)

Collected On : 12/08/2023 08:50 AM Received On : 12/08/2023 11:41 AM Reported On : 12/08/2023 12:10 PM

Barcode : 032308120134 Specimen : Urine Consultant : Dr. Priya S(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9553188550

CLINICAL PATHOLOGY

| Test | Result | Unit | Biological Reference Interval |
|---|-------------|------|-------------------------------|
| URINE ROUTINE & MICROSCOPY | | | |
| PHYSICAL EXAMINATION | | | |
| Colour | STRAW | - | - |
| Appearance | Clear | - | - |
| CHEMICAL EXAMINATION | | | |
| pH(Reaction) (pH Indicator Method) | 5.5 | - | 4.5-7.5 |
| Sp. Gravity (Refractive Index) | 1.023 | - | 1.002 - 1.030 |
| Protein (Automated Protein Error Or Ph Indicator) | Not Present | - | Not Present |
| Ketone Bodies (Nitroprusside Method) | Not Present | - | Not Present |
| Bile Salts (Azo Coupling Method) | Not Present | - | Not Present |
| Bile Pigment (Bilirubin) (Azo Coupling Method) | Not Present | - | Not Present |
| Urobilinogen (Azo Coupling Method) | Normal | - | Normal |
| Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity) | Not Present | - | Not Present |
| Blood Urine (Peroxidase Reaction) | Not Present | - | Not Present |
| Nitrite (Gries Method) | Not Present | - | Not Present |
| MICROSCOPIC EXAMINATION | | | |
| Pus Cells | 0.3 | /hpf | 0-5 |
| RBC | 0.1 | /hpf | 0-4 |



| | | | |
|---|-------------|------|-------------|
| Patient Name : Mr Sunil N MRN : 20150000001063 Gender/Age : MALE , 31y (21/06/1992) | | | |
| Epithelial Cells | 0.3 | /hpf | 0-6 |
| Crystals | 0.0 | /hpf | 0-2 |
| Casts | 0.00 | /hpf | 0-1 |
| Bacteria | 1.8 | /hpf | 0-200 |
| Yeast Cells | 0.0 | /hpf | 0-1 |
| Mucus | Not Present | - | Not Present |

Interpretation Notes

- Since the analytical methodology of Urine Microscopy is Flow cytometry based and FDA approved the results of automated urine microscopy which includes RBCs, WBCs Epithelial cells etc are being reported in decimal fraction. Rounding off the value to nearest whole number is suggested.

--End of Report--



Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry

Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



ADULT TRANS-THORACIC ECHO REPORT

NAME : MR.SUNIL N

AGE/SEX : 31YRS/MALE

MRN NO : 20110000013033

DATE : 12.08.2023

FINAL DIAGNOSIS:

- NORMAL CHAMBER DIMENSION
- NO RWMA
- NORMAL VALVES
- NORMAL PA PRESSURE
- NORMAL RV /LV FUNCTION
- LVEF-60 %

MEASUREMENTS

| | | | |
|------------|------------------|-----------------|------------|
| AO : 29 MM | LVID (d) : 44 MM | IVS (d) : 10 MM | RA : 32 MM |
| LA : 32 MM | LVID(s) : 26 MM | PW (d) : 10 MM | RV : 28 MM |
| EF: 60 % | | | |

VALVES

MITRAL VALVE : NORMAL
AORTIC VALVE : NORMAL
TRICUSPID VALVE : NORMAL
PULMONARY VALVE : NORMAL

CHAMBERS

LEFT ATRIUM : NORMAL
RIGHT ATRIUM : NORMAL
LEFT VENTRICLE : NORMAL, NORMAL LV FUNCTION
RIGHT VENTRICLE : NORMAL, TAPSE-18 MM, NORMAL RV FUNCTION
RVOT/LVOT : NORMAL



Narayana Multispecialty Clinic

17/1, 30th Cross, 8th 'B' Main Road, 4th Block, Jayanagar, Bangalore - 560 011

Clinic No. : 8884000991, 9513919615, Pharmacy No. : 9513919615

E-mail: info.jayanagar@narayanahealth.org, web : www.narayanahealth.org

SEPTAE

IVS : INTACT

IAS : INTACT

GREAT ARTERIES

AORTA : AORTIC ANNULUS-24 MM, LEFT ARCH

PULMONARY ARTERY : NORMAL

DOPPLER DATA

MITRAL VALVE : E/A -1.0/0.6 M/S, MR-TRIVIAL

AORTIC VALVE : PG- 4 MMHG

TRICUSPID VALVE : TR-MILD, PASP- 27 MMHG

PULMONARY VALVE : PG- 3 MMHG

WALL MOTION ABNORMALITIES: NO RWMA

PERICARDIUM : NORMAL

VEGETATION/THROMBUS: ABSENT

OTHER FINDINGS

IVC- 14 MM NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM
SINUS RHYTHM/ HR-73 BPM


VISHALAKSHI H R
CARDIAC SONOGRAPHER

| | | | |
|---------------------|----------------|----------------------------|------------------|
| Patient Name | MR.SUNIL N | Requested By | EHP |
| MRN | 20150000001063 | Procedure Date Time | 12-08-2023 11:13 |
| Age/Sex | 31Y 1M/Male | Hospital | NH-JAYANAGAR |

CHEST RADIOGRAPH (PA VIEW)

CLINICAL DETAILS: For health checkup.

FINDINGS:

- The lung fields and bronchovascular markings appear normal.
- The cardiac size is within normal limits.
- Mediastinum and great vessels are within normal limits.
- Trachea is normal and is central. The hilar shadows are unremarkable.
- The costo-phrenic angles are clear. No evidence of pleural effusion or pneumothorax.
- The visualized bones and soft tissue structures appear normal.
- Both the diaphragmatic domes appear normal.

IMPRESSION:

- **No significant abnormality detected.**



Dr Sunil Kumar K, MD
Fellowship in abdominal and MSK Radiology
Consultant in Body imaging

* This is a digitally signed valid document. Reported Date/Time: 12-08-2023 13:46

This report has been generated from **NH Teleradiology 24/7**, a service of Narayana Health
-- End of Report --
Page 1 of 1



MILESTONES

VISUAL DEVELOPMENT CENTER

105, 4th main, Jayanagar 4th block, Near Maiyas Restaurant, Bengaluru- 560 011.

WWW.MILESTONESINSTITUTIONS.ORG | Ph: 080 2664 4448

Evaluation

12/08/2023

Name : Mr. Sunil. N.
 Age : 30/m
 Gender :
 MRD No : 20150000001063
 Chief Complaint :

Ocular History : Regular check-up.

General History

VISION (A) Distance: OD 6/6 OS 6/6
 Pinhole:
 Near:

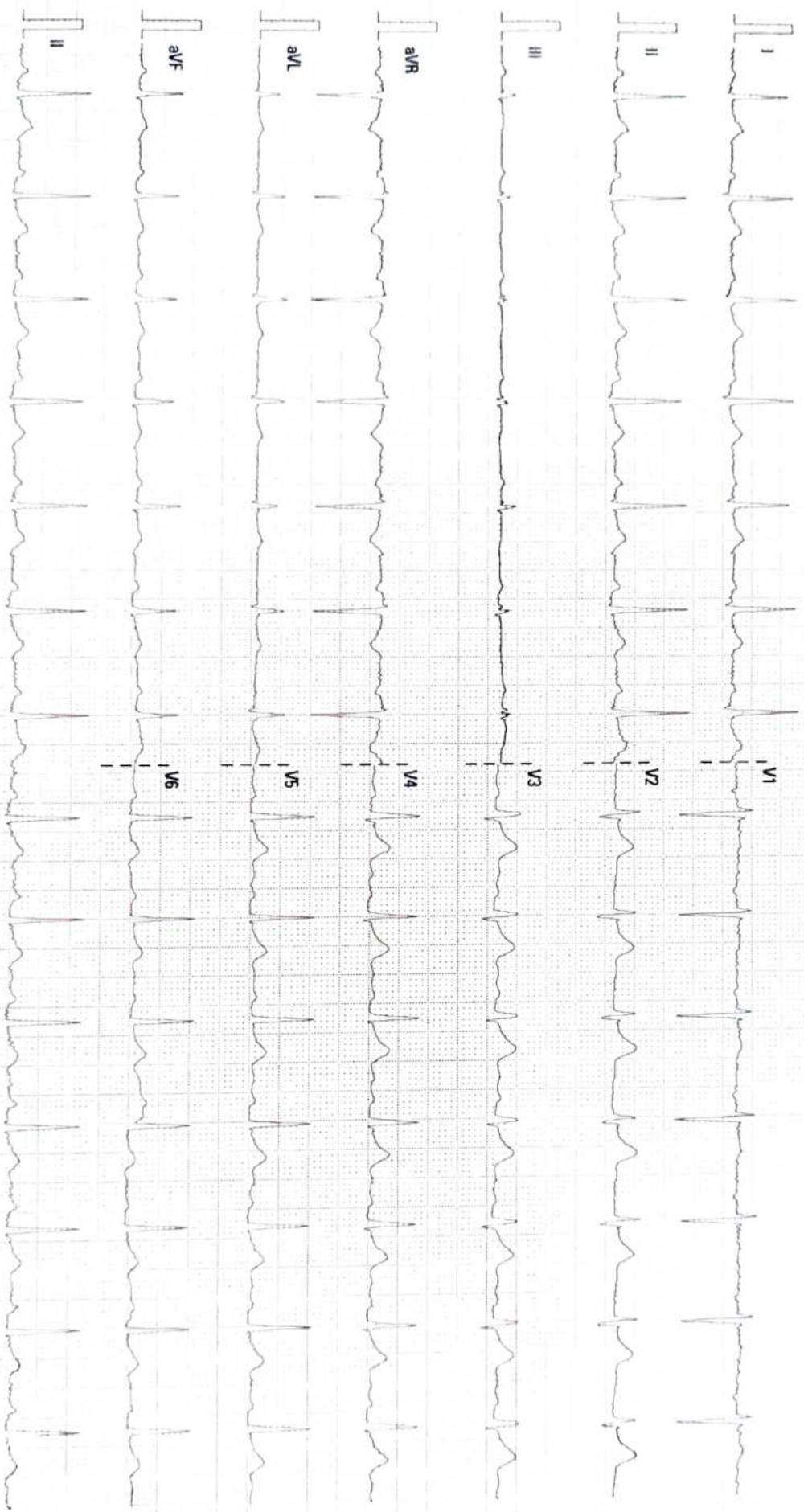
PHOP < R: -3.5DS / -0.50DC X 10,
 L: -3.25 / -0.50DC X 10

ID: 2015-1063
Name: MR SUNIL N
Age: 31 Years
Gender: Male

12-08-2023 10:19:17 AM

| | |
|-----------------|--------------|
| Vent Rate | 85 bpm |
| PR Interval | 146 ms |
| QRS Duration | 84 ms |
| QT/QTc Interval | 358/402 ms |
| P/QRS/T Axes | 57/39/37 deg |

Dr:Chodges



25 mm/s 10 mm/mV 50 Hz BDR 36 Hz

NARAYANA HEALTH, JAYANAGAR

02 06 00 V28 4 1

SN:FN-73007175

Patient Name : Mr.Sunil N

Patient ID : 2015000001063

Age : 31Years

Sex : Male

Referring Doctor : EHP

Date : 12.08.2023

ULTRASOUND ABDOMEN AND PELVIS

FINDINGS:

Liver is normal in size and shows **Increased** echopattern. No intra or extra hepatic biliary duct dilatation. No focal lesions.

Portal vein is normal in size, course and caliber. **CBD** is not dilated.

Gall bladder is **Partially** distended without evidence of calculi, wall thickening or pericholecystic fluid.

Pancreas to the extent visualized, appears normal in size, contour and echogenicity.

Spleen is normal in size, shape, contour and echogenicity. No evidence of mass or focal lesions.

Right Kidney is normal in size (measures 9.0 cm in length & 1.8 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Left Kidney is normal in size (measures 9.9 cm in length & 1.3 cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Retroperitoneum – Obscured by bowel gas.

Urinary Bladder is **Partially** distended. Wall thickness is normal. No evidence of calculi, mass or mural lesion.

Prostate is normal in echopattern and normal in size, measures 2.8x2.9x3.0 cm, Volume -14 cc.

Fluid - There is no ascites or pleural effusion.

IMPRESSION:

- **Grade I Fatty Liver.**


Dr B S Ramkumar 35772
Consultant Radiologist

Disclaimer:

Note: Investigations have their limitations. Solitary pathological/Radiological and other investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly. This Report is not for Medico - Legal Purposes.



Narayana Multispeciality Clinic

17/1, 30th Cross, 8th 'B' Main Road, 4th Block, Jayanagar, Bangalore - 560 011

Clinic No. : 8884000991, 9513919615, Pharmacy No. : 9513919615

E-mail: info.jayanagar@narayanahealth.org, web : www.narayanahealth.org

2015-1063
MR. SUNIL N/31Y

Male

Exam

Accession #
Exam Date
Description
Operator

12-08-2023

