

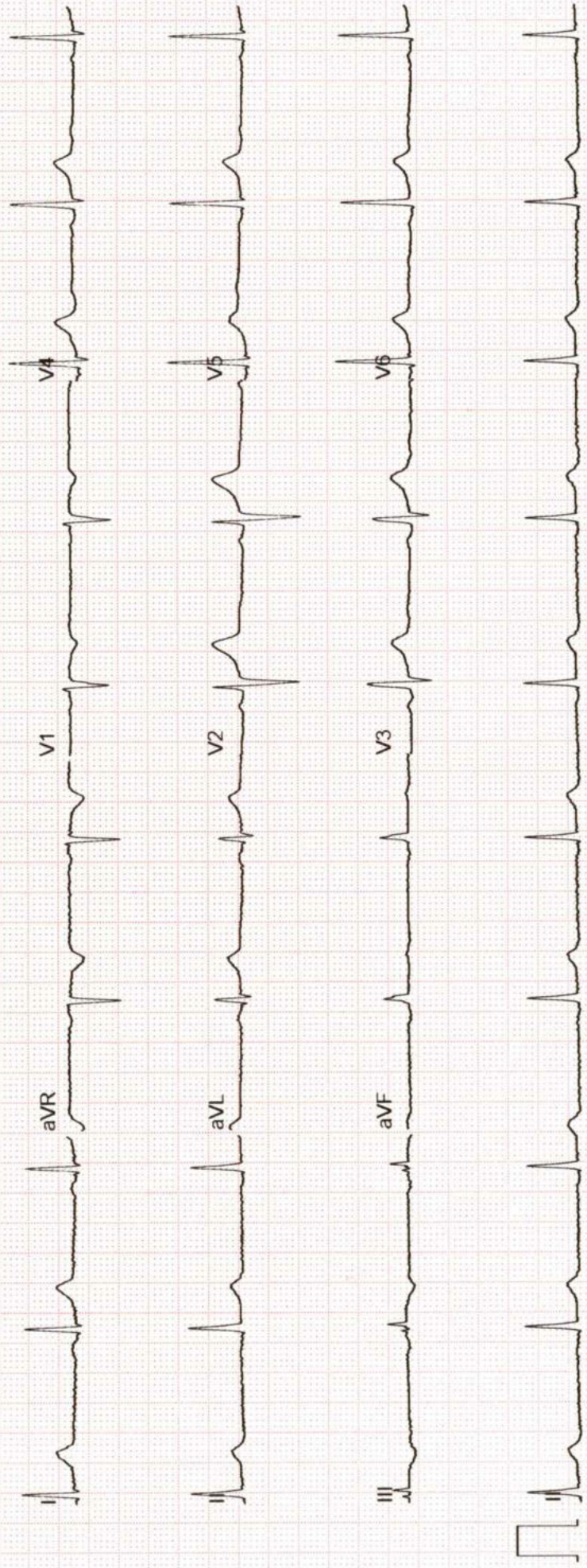
Male

33 Years

Sinus bradycardia  
Otherwise normal ECG

QRS : 78 ms  
QT / QTcBaz : 410 / 392 ms  
PR : 146 ms  
P : 104 ms  
RR / PP : 1080 / 1090 ms  
P / QRS / T : -21 / 34 / 5 degrees

Technician:  
Ordering Ph:  
Referring Ph:  
Attending Ph:



Patient Name : Mr. Raghul Gurusamy  
Age/Sex : 33 Y/M  
Pres Doctor :  
Ref.by : SELF

MR No : FMAD.0000031308  
Visit No : FMADOPV46579  
Bill Date : 20-03-2023 09:59  
Report Date : 20-03-2023 12:19

**CHEST PA VIEW**

- The lung fields are clear.
- The Cardio Thoracic ratio is normal.
- The apices, costo and cardiophrenic angles are free.
- Both hila are prominent with prominent bronchovascular markings.
- The bony thorax shows no significant abnormality.
- The domes of diaphragm are well delineated.

**IMPRESSION:**

\* NORMAL STUDY.

Dr. PASUPULETI SANTOSH KUMAR  
Radiologist

DR. PASUPULETI SANTHOSH KUMAR  
MBBS., DNB (RADIOLOGY),  
Reg.No: 126310  
APOLLO CLINIC MADIPAKKAM

Patient Name : Mr. Raghul Gurusamy  
Age/Sex : 33 Y/M  
Pres Doctor :  
Ref.by : SELF

MR No : FMAD.0000031308  
Visit No : FMADOPV46579  
Bill Date : 20-03-2023 09:59  
Report Date : 20-03-2023 11:52

## **ULTRASOUND WHOLE ABDOMEN**

**Liver is normal in size 16.8 cm and shows diffusely increased echotexture.**No evidence of focal or diffuse pathology. Intra and extra hepatic biliary passages are not dilated.

**Gall bladder** appears normal with no evidence of calculus. Wall thickness appear normal.

**Pancreas** appear normal.

**Spleen** measures 8.5 cm.  
Portal and splenic veins appear normal.

No evidence of ascites or lymphadenopathy. Diaphragmatic movements are satisfactory. There is no evidence of sub diaphragmatic pathology or pleural effusion.

**Right kidney** measures 11.0 x 6.2 cm.

**Left kidney** measures 10.5 x 6.1 cm.

Both kidneys show normal echopattern with no evidence of calculi or calyceal dilatation.

**Bladder is minimally distended.**

**Prostate** measures 3.3 x 2.8 x 2.9 cm (Vol 14 ml) and shows normal echopattern.  
Seminal vesicles appear normal.

### **IMPRESSION:**

\* **GRADE I FATTY LIVER.**

~Suggested clinical correlation.

  
**Dr. NANDHINI DEVI**  
Sonologist.

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
PIN : AND22270026251  
AGE/GENDER : 33 Year(s)/Male  
REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
COLLECTED ON : 20/03/2023 01:14 PM  
RECEIVED ON : 20/03/2023 05:25 PM  
REPORTED ON : 20/03/2023 05:28 PM  
REPRINT DATE : 20/03/2023 05:28 PM

---

| Test | Obtained Value | Units | Bio.Ref.Intervals |
|------|----------------|-------|-------------------|
|------|----------------|-------|-------------------|

---

## HAEMATOLOGY


---

### ARCOFEMI - MEDIWHEEL - FULL BODY ANNUAL PLUS MALE - 2D ECHO

---

BLOOD GROUPING AND RH TEST (EDTA "B" Positive  
Whole Blood,Column Gel Technique)

---

  
Dr Sarangan A MD Pathology  
Consultant Pathology  
Reg. No. : 84981

|             |                                     |              |                       |
|-------------|-------------------------------------|--------------|-----------------------|
| NAME        | : MR. RAGHUL GURUSAMY ( FMAD31308 ) | SAMPLE NO    | : 272215708           |
| PIN         | : AND22270026251                    | COLLECTED ON | : 20/03/2023 01:14 PM |
| AGE/GENDER  | : 33 Year(s)/Male                   | RECEIVED ON  | : 20/03/2023 05:25 PM |
| REFERRED BY | : Dr.APOLLO CLINIC(SHLL)            | REPORTED ON  | : 20/03/2023 05:28 PM |
| CLIENT NAME | : Apollo Clinic(SHLL)               | REPRINT DATE | : 20/03/2023 05:28 PM |

| Test | Obtained Value | Units | Bio.Ref.Intervals |
|------|----------------|-------|-------------------|
|------|----------------|-------|-------------------|

## Complete Hemogram

### WBC PARAMETER (EDTA Whole Blood,Flow Cytometry)

|                       |      |                 |            |
|-----------------------|------|-----------------|------------|
| Total WBC Count (TC ) | 5680 | cells/cu.m<br>m | 4000-11000 |
|-----------------------|------|-----------------|------------|

### DIFFERENTIAL COUNTS (EDTA Whole Blood,Flow Cytometry)

|             |     |   |       |
|-------------|-----|---|-------|
| Band Forms  | 00  |   |       |
| Neutrophils | 53  | % | 40-70 |
| Lymphocytes | 38  | % | 20-40 |
| Eosinophils | 02  | % | 1-6   |
| Monocytes   | 07  | % | 2-10  |
| Basophils   | 00  | % | 0-1   |
| IMG %       | 0.3 | % | < 1.0 |

### ABSOLUTE COUNT (EDTA Whole Blood,Flow Cytometry)

|               |      |                      |           |
|---------------|------|----------------------|-----------|
| NEUTROPHILS # | 3.00 | 10 <sup>3</sup> / µl | 2.00-7.00 |
| LYMPHOCYTES # | 2.15 | 10 <sup>3</sup> / µl | 0.80-4.00 |
| MONOCYTES #   | 0.39 | 10 <sup>3</sup> / µl | 0.12-1.20 |
| EOSINOPHILS # | 0.11 | 10 <sup>3</sup> / µl | 0.02-0.50 |
| BASOPHILS #   | 0.03 | 10 <sup>3</sup> / µl | 0.00-0.10 |
| IMG #         | 0.02 | 10 <sup>3</sup> / µl |           |

### RBC PARAMETERS

|  |      |            |           |
|--|------|------------|-----------|
| RBC Count (EDTA Whole Blood,Flow Cytometry/Electrical Impedence) | 4.94 | mill/cu.mm | 4.7-6.0   |
| RDW - CV (EDTA Whole Blood,Calculated)                           | 12.9 | %          | 11.5-15.4 |
| RDW - SD (EDTA Whole Blood,Calculated)                           | 45.1 | fl         | 40-55     |
| Haemoglobin (EDTA Whole Blood,Colorimetric Method)               | 15.0 | gm/dL      | 13-17     |
| Packed Cell Volume (PCV) (EDTA Whole Blood,Calculated)           | 45.6 | %          | 42-52     |

*G. Priyanka*

Dr. G.PRIYANKA, M.D.  
CONSULTANT PATHOLOGIST  
Reg. NO : 121238

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
 PIN : AND22270026251  
 AGE/GENDER : 33 Year(s)/Male  
 REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
 CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
 COLLECTED ON : 20/03/2023 01:14 PM  
 RECEIVED ON : 20/03/2023 05:25 PM  
 REPORTED ON : 20/03/2023 05:28 PM  
 REPRINT DATE : 20/03/2023 05:28 PM

|  |      |    |        |
|--|------|----|--------|
| Mean Corpuscular Volume (MCV) (EDTA Whole Blood,Calculated)    | 92.4 | fL | 83-101 |
| Mean Corpuscular Hb (MCH) (EDTA Whole Blood,Calculated)        | 30.4 | pg | 27-32  |
| Mean Corpuscular Hb Conc. (MCHC) (EDTA Whole Blood,Calculated) | 32.9 | %  | 30-35  |

### PLATELET PARAMETERS

|  |      |                      |   |
|--|------|----------------------|---|
| Platelet Count (EDTA Whole Blood,Electrical Impedence /Manual) | 339  | Thousand/c u.mm      | 150-450                                     |
| MPV (EDTA Whole Blood,Calculated)                              | 8.9  | fl                   | 9.0-12.5                                    |
| PDW (EDTA Whole Blood,Calculated)                              | 15.8 | %                    | 9.4-16.0                                    |
| PCT (EDTA Whole Blood,Calculated)                              | 3.09 | mL/L                 | 1.08-2.82                                   |
| P - LCC (EDTA Whole Blood,Calculated)                          | 60   | 10 <sup>3</sup> / µl | 30-90                                       |
| P -LCR (EDTA Whole Blood,Calculated)                           | 17.8 | %                    | 15-45                                       |
| NRBC % (EDTA Whole Blood,Flow Cytometry)                       | 0.00 | /100WBC              | Children : 0/100 WBC<br>Adults : 0 /100 WBC |
| ESR (WESTERGREN) (Manual)                                      | 17   | mm/hr                | 0-15  |


*G. Priyanka*

Dr. G.PRIYANKA, M.D.  
CONSULTANT PATHOLOGIST  
Reg. NO : 121238

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
PIN : AND22270026251  
AGE/GENDER : 33 Year(s)/Male  
REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
COLLECTED ON : 20/03/2023 01:14 PM  
RECEIVED ON : 20/03/2023 05:25 PM  
REPORTED ON : 20/03/2023 05:28 PM  
REPRINT DATE : 20/03/2023 05:28 PM

| Test  | Obtained Value  | Units | Bio.Ref.Intervals |
|---|---|-------|-------------------|
| <b>Peripheral smear examination</b>         |   |       |                   |
| RBC (EDTA Whole Blood,Electrical impedence) | Normocytic, Normochromic.                                   |       |                   |
| WBC (EDTA Whole Blood,Manual)               | Normal in number, distribution and morphology.              |       |                   |
| Platelet on Smear (EDTA Whole Blood,Manual) | Adequate on smear with occasional large platelets are seen. |       |                   |
| Hemoparasite (EDTA Whole Blood,Manual)      | No Haemoparasites Seen                                      |       |                   |
| Immature Cells (EDTA Whole Blood,Manual)    | No Immature Cells Seen                                      |       |                   |
| Impression (EDTA Whole Blood,Manual)        | NORMOCYTIC NORMOCHROMIC BLOOD PICTURE.                      |       |                   |

  
Dr Sarangan A MD Pathology  
Consultant Pathology  
Reg. No. : 84981

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
PIN : AND22270026251  
AGE/GENDER : 33 Year(s)/Male  
REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
COLLECTED ON : 20/03/2023 01:14 PM  
RECEIVED ON : 20/03/2023 05:25 PM  
REPORTED ON : 20/03/2023 05:28 PM  
REPRINT DATE : 20/03/2023 05:28 PM

---

| Test                                  | Obtained Value | Units | Bio.Ref.Intervals |
|---------------------------------------|----------------|-------|-------------------|
| <b>BIOCHEMISTRY</b>                   |                |       |                   |
| Glucose Fasting (Plasma-F,Hexokinase) | 107            | mg/dL | 70-100            |
| URINE GLUCOSE FASTING (Urine-F)       | Negative       |       |                   |

---



Dr. T. Uma MD, DCP  
Consultant Biochemist



NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
 PIN : AND22270026251  
 AGE/GENDER : 33 Year(s)/Male  
 REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
 CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
 COLLECTED ON : 20/03/2023 01:14 PM  
 RECEIVED ON : 20/03/2023 05:25 PM  
 REPORTED ON : 20/03/2023 05:28 PM  
 REPRINT DATE : 20/03/2023 05:28 PM

| Test                                      | Obtained Value | Units | Bio.Ref.Intervals   |
|---|----------------|-------|---|
| <b>Lipid Profile</b>                      |                |       |   |
| Total Cholesterol (SERUM,Enzymatic)       | 227            | mg/dl | No risk : < 200<br>Moderate risk : 200 - 239<br>High risk : > 239   |
| Triglycerides (SERUM,Enzymatic)           | 112            | mg/dL | < 150   |
| Cholesterol-HDL, Direct (SERUM,Enzymatic) | 46             | mg/dl | No risk: > 55<br>Moderate risk: 35-55<br>High risk: < 35  |
| Non HDL Cholesterol (SERUM,Calculated)    | 181            | mg/dL | Desirable: < 130<br>Borderline high: 130-159<br>High: 160-189<br>Very high: >= 190                                      |
| LDL Cholesterol (SERUM,Direct)            | 166            | mg/dL | Optimal: < 100<br>Near optimal/above optimal: 100-129<br>Borderline high: 130-159<br>High: 160-189<br>Very High: >= 190 |
| VLDL Cholesterol (SERUM,Calculated)       | 15             | mg/dL | < 30  |
| CHOL/HDL RATIO (SERUM,Calculated)         | 4.9            |       | 3.5-5.5   |
| LDL/HDL RATIO (SERUM,Calculated)          | 3.6            |       | 1.0-3.0   |

Non HDL cholesterol is a calculated value and based on National Cholesterol Education III studies, it is recognized as a predictive factor in cardiovascular disease .



Ms.T VIJAYALAKSHMI MSc  
BIO CHEMIST

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
 PIN : AND22270026251  
 AGE/GENDER : 33 Year(s)/Male  
 REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
 CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
 COLLECTED ON : 20/03/2023 01:14 PM  
 RECEIVED ON : 20/03/2023 05:25 PM  
 REPORTED ON : 20/03/2023 05:28 PM  
 REPRINT DATE : 20/03/2023 05:28 PM

| Test   | Obtained Value | Units  | Bio.Ref.Intervals |
|--|----------------|--------|-------------------|
| <b>Liver Function Test (LFT)</b>                     |                |        |                   |
| <b>Bilirubin(Total/Direct/Indirect)</b>              |                |        |                   |
| Bilirubin (total) (SERUM, Diazo)                     | 0.7            | mg/dL  | < 1.1             |
| Bilirubin Direct (SERUM, Diazo)                      | 0.2            | mg/dL  | 0-0.3             |
| Bilirubin Indirect (SERUM, Calculated)               | 0.5            | mg/dL  | 0.0-0.7           |
| SGOT (AST) (SERUM, Enzymatic)                        | 52             | U/L    | < 40              |
| SGPT (ALT) (SERUM, Enzymatic)                        | 104            | U/L    | < 41              |
| Alkaline Phosphatase-ALP (SERUM)                     | 67             | U/L    | 40-150            |
| GGT-Gamma Glutamyl Transpeptidase (SERUM, Enzymatic) | 39             | U/L    | < 61              |
| <b>Serum Proteins</b>                                |                |        |                   |
| Total Protein (SERUM, Biuret)                        | 7.7            | g/dL   | 6.4-8.3           |
| Albumin (SERUM, Bromocresol green)                   | 4.8            | g/dL   | 3.5-5.2           |
| Globulin (SERUM, Calculated)                         | 2.90           | g/dL   | 2.3-3.5           |
| A/G Ratio (SERUM)                                    | 1.66           |        | 0.8-2.0           |
| <b>RENAL FUNCTION TEST PROFILE</b>                   |                |        |                   |
| Urea (SERUM, Urease Kinetic)                         | 22             | mg/dL  | 15-45             |
| Creatinine (SERUM, Jaffe Kinetics)                   | 0.8            | mg/dL  | 0.5-1.2           |
| URIC ACID (SERUM, Uricase)                           | 6.1            | mg/dL  | 3.0-7.2           |
| CALCIUM (SERUM, BAPTA)                               | 10.1           | mg/dL  | 8.6-10.0          |
| Phosphorous (SERUM, Phospho molybdate UV)            | 4.4            | mg/dL  | 2.5-4.5           |
| <b>Electrolytes, Serum</b>                           |                |        |                   |
| SODIUM (SERUM, ISE)                                  | 140            | mmol/L | 136-145           |
| Potassium (SERUM, ISE)                               | 4.0            | mmol/L | 3.5-5.0           |
| Chloride (SERUM, ISE)                                | 98             | mmol/L | 98-107            |
| BICARBONATE (HCO <sub>3</sub> ) (SERUM, Enzymatic)   | 28             | mmol/L | 22-29             |

*T. Vijay*

Ms.T VIJAYALAKSHMI MSc  
BIO CHEMIST

|             |                                     |              |                       |
|-------------|-------------------------------------|--------------|-----------------------|
| NAME        | : MR. RAGHUL GURUSAMY ( FMAD31308 ) | SAMPLE NO    | : 272215708           |
| PIN         | : AND22270026251                    | COLLECTED ON | : 20/03/2023 01:14 PM |
| AGE/GENDER  | : 33 Year(s)/Male                   | RECEIVED ON  | : 20/03/2023 05:25 PM |
| REFERRED BY | : Dr.APOLLO CLINIC(SHLL)            | REPORTED ON  | : 20/03/2023 05:28 PM |
| CLIENT NAME | : Apollo Clinic(SHLL)               | REPRINT DATE | : 20/03/2023 05:28 PM |

| Test   | Obtained Value | Units | Bio.Ref.Intervals  |
|--|----------------|-------|--|
| <b>HbA1c-Glycated Haemoglobin, blood</b>                     |                |       |  |
| HbA1c-Glycated Haemoglobin, blood<br>(EDTA Whole Blood,HPLC) | 5.9            | %     | Below 5.7 - Normal<br>5.7 - 7.0 - Good Control<br>7.1 - 8.0 - Fair Control<br>Above 8.0 - Poor Control |
| MEAN BLOOD GLUCOSE VALUE (EDTA<br>Whole Blood,Calculated)    | 110            | mg/dL |  |

HbA1c is an excellent index of long term diabetes control over preceding 2 - 3 months. Unlike blood sugar which tend to fluctuate from day to day and even hour to hour, the HbA1c test is a true index of the average blood glucose control during previous 2 - 3 months.

False high or low HbA1c values can be due to the presence of Hb variants



Dr. T. Uma MD, DCP  
Consultant Biochemist

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
 PIN : AND22270026251  
 AGE/GENDER : 33 Year(s)/Male  
 REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
 CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
 COLLECTED ON : 20/03/2023 01:14 PM  
 RECEIVED ON : 20/03/2023 05:25 PM  
 REPORTED ON : 20/03/2023 05:28 PM  
 REPRINT DATE : 20/03/2023 05:28 PM

| Test | Obtained Value | Units | Bio.Ref.Intervals |
|------|----------------|-------|-------------------|
|------|----------------|-------|-------------------|

## IMMUNOASSAY

### Thyroid Function Test (Total) (SERUM,ECLIA)

|          |        |        |            |
|----------|--------|--------|------------|
| T3 Total | 120.30 | ng/dL  | 80.0-200.0 |
| T4 Total | 9.01   | µg/dL  | 4-12.0     |
| TSH      | 2.48   | µIU/mL | 0.51-5.0   |

|                             | TSH              | FT4              | FT3              | T4               | T3               |
|-----------------------------|------------------|------------------|------------------|------------------|------------------|
| Euthyroidism                | Normal           | Normal           | Normal           | Normal           | Normal           |
| Hypothyroidism              | Increased        | Decreased        | Decreased        | Decreased        | Decreased        |
| Subclinical hypothyroidism  | Increased        | Normal           | Normal           | Normal           | Normal           |
| Hyperthyroidism             | Decreased        | Increased        | Increased        | Increased        | Increased        |
| Subclinical hyperthyroidism | Decreased        | Normal           | Normal           | Normal           | Normal           |
| T3 hyperthyroidism          | Decreased        | Normal/Decreased | Increased        | Normal/Decreased | Normal/Decreased |
| Graves disease              | Decreased        | Increased        | Increased        | Increased        | Increased        |
| Hashimotos thyroiditis      | Normal/Increased | Normal/Decreased | Normal/Decreased | Normal/Decreased | Normal/Decreased |



Dr. T. Uma MD, DCP  
Consultant Biochemist

NAME : MR. RAGHUL GURUSAMY ( FMAD31308 )  
 PIN : AND22270026251  
 AGE/GENDER : 33 Year(s)/Male  
 REFERRED BY : Dr.APOLLO CLINIC(SHLL)  
 CLIENT NAME : Apollo Clinic(SHLL)

SAMPLE NO : 272215708  
 COLLECTED ON : 20/03/2023 01:14 PM  
 RECEIVED ON : 20/03/2023 05:25 PM  
 REPORTED ON : 20/03/2023 05:28 PM  
 REPRINT DATE : 20/03/2023 05:28 PM

| Test  | Obtained Value | Units | Bio.Ref.Intervals                            |
|---|----------------|-------|--|
| <b>CLINICAL PATHOLOGY</b>   |                |       |  |
| <b>Urine Analysis - Complete</b>  |                |       |  |
| Colour (Spot Urine,Automated)   | Pale Yellow    |       | Straw , Pale to Dark Yellow, Yellow to Brown |
| Appearance (Spot Urine,Automated)   | clear          |       | Clear  |
| Urine Glucose (sugar) (Spot Urine,Glucose oxidase and Peroxidase)         | Negative       |       | Negative                                     |
| Bilirubin (Spot Urine,Azo-coupling reaction)                              | Negative       |       | Negative                                     |
| Urine Ketones (Legals Test) (Spot Urine,Modified Rothera's Nitroprusside) | Negative       |       | Negative                                     |
| Specific Gravity (Spot Urine,pKa Change)                                  | 1.025          |       | 1.003-1.035                                  |
| Erythrocyte (Spot Urine,Automated)  | Negative       |       | Negative                                     |
| pH( Methyl red bromothymol blue) (Spot Urine,Double Indicator System)     | 6.0            |       | 4.6-8.0                                      |
| Protein (BCG) (Spot Urine,Tetrabromphenol Blue)                           | Negative       |       | Negative <= 10 mg/dl                         |
| Urobilinogen (Spot Urine,Modified Ehrlich Method)                         | Normal         |       | Normal = 0.5 - 1.0 mg/dl                     |
| Nitrite (Griess method) (Spot Urine,Azo-coupling reaction)                | Negative       |       | Negative                                     |
| Leukocyte (Esterase Detection) (Spot Urine,Granulocyte Esterase)          | Negative       |       | Negative                                     |
| <b>Microscopic Examination</b> (Spot Urine)                               |                |       |  |
| Pus Cells (WBCs)  | 1-2            | /hpf  | 0-5  |
| Epithelial Cells  | 1-2            | /hpf  | 0-5  |
| Red blood Cells   | Not Present    | /hpf  | Not Present                                  |
| DYSMORPHIC RBCS   | Not present    |       | Not Present                                  |
| Cast  | Not Present    |       | Not Present                                  |
| Crystals  | Not present    |       | Not Present                                  |
| OTHERS  | Not present    |       | Not Present                                  |

*G. Priyanka*

Dr. G.PRIYANKA, M.D.  
 CONSULTANT PATHOLOGIST  
 Reg. NO : 121238