

### DEPARTMENT OF BIOCHEMISTRY

|                         |                           |                     |                       |
|-------------------------|---------------------------|---------------------|-----------------------|
| <b>Patient Name</b>     | : [REDACTED]              | <b>Age / Gender</b> | : 35 Y(s)/Male        |
| <b>Bill No/ UHID No</b> | : OH012381 / H00000049504 | <b>Report Date</b>  | : 04-Apr-2019 9:53 am |
| <b>Received Date</b>    | : 04-Apr-2019 09:05 am    | <b>Specimen</b>     | : SERUM               |
| <b>Lab No/Result No</b> | : 190400209 / RES118010   |                     |                       |
| <b>Referred By</b>      | : Dr. HOSPITAL CASE       |                     |                       |

| <u>Investigation</u> | <u>Result</u> | <u>Reference Range</u>   | <u>Method</u> |
|----------------------|---------------|--|---------------|
| GLUCOSE (FASTING)    | : <b>96.0</b> | Normal : < 100.0 mg/dL<br>Prediabetic : 100 - 125 mg/dL<br>Diabetic : >= 126 mg/dL | GOD-POD       |

REFERENCE : ADA 2015 GUIDELINES

|                         |              |  |         |
|-------------------------|--------------|--|---------|
| GLUCOSE (POST PRANDIAL) | : <b>110</b> | Normal : < 140 mg/dl<br>Prediabetic : 140 - 199 mg/dl<br>Diabetic : >= 200 mg/dl | GOD-POD |
|                         |              | ADA 2015 guidelines  |         |

|  |               |                 |           |
|--|---------------|-----------------|-----------|
| CREATININE                                 | : 0.9         | 0.6 - 1.3 mg/dL | Enzymatic |
| URIC ACID                                  | : <b>7.4</b>  | 3.5-7.2 mg/dL   | Uricase   |
| ALANINE TRANSAMINASE                       | : <b>90.0</b> | 10 - 40 U/L     | Kinetic   |
| <b>Notes :</b> Kindly correlate clinically |               |                 |           |
| ASPARTATE TRANSAMINASE                     | : <b>47.0</b> | 10.0 - 40.0 U/L | Kinetic   |
| GAMMA-GT (GGT)                             | : <b>89.0</b> | 7.0 - 50.0 U/L  | Kinetic   |

#### LIPID PROFILE

|                  |                |                     |            |
|------------------|----------------|---------------------|------------|
| CHOLESTEROL      | : <b>238.0</b> | 130.0 - 220.0 mg/dL | Enzymatic  |
| TRIGLYCERIDES    | : <b>220.0</b> | 35.0 - 180.0 mg/dL  | Enzymatic  |
| HDL CHOLESTEROL  | : 46.0         | 35 - 65 mg/dL       | Enzymatic  |
| LDL CHOLESTEROL  | : <b>148.0</b> | 10.0 - 130.0 mg/dL  | Calculated |
| VLDL CHOLESTEROL | : <b>44.0</b>  | 5.0 - 36.0 mg/dL    | Calculated |
| CHOL/HDL RATIO   | : 5.2          | 2.0 - 6.2           | Calculated |

#### ATP III NCEP GUIDELINES FOR INTERPRETATION OF LIPID PROFILE

| PARAMETER           | DESIRABLE | BORDERLINE | REQUIRES TREATMENT |
|---------------------|-----------|------------|--------------------|
| Total Cholesterol   | Below 200 | 200 - 240  | Above 240          |
| HDL Cholesterol     | Above 60  | 40 - 59    | Below 40           |
| LDL Cholesterol/tab | Below 130 | 130-160    | Above 160          |