

**LABORATORY INVESTIGATION REPORT**

|                       |                                 |                    |                             |
|-----------------------|---------------------------------|--------------------|-----------------------------|
| Name                  | : OCHIT MATULAC                 | Referral Clinic    | : PESHAWAR MEDICAL CENTER ( |
| D.O.B / Sex           | : 09-Sep-1988 (33 Years) / MALE | Referral Doctor    | : PESHAWAR MEDICAL CENTER(A |
| PatientID/Nationality | : 157943 / PHILIPPINES          | LabID / Clinic No. | : <b>107649</b> / 35743     |

| Test Name            | Result             | Unit   | Ref. Range                                                                                                   | Methodology            |
|----------------------|--------------------|--------|--------------------------------------------------------------------------------------------------------------|------------------------|
| <b>BIOCHEMISTRY</b>  |                    |        |                                                                                                              |                        |
| CHLORIDE             | 102                | mmol/L | 95-105                                                                                                       | Direct ISE             |
| POTASSIUM            | 4.1                | mmol/L | 3.5-5.5                                                                                                      | Direct ISE             |
| SODIUM               | 139                | mmol/L | 135-146                                                                                                      | Direct ISE             |
| CHOLESTROL, TOTAL    | 197                | mg/dl  | No risk : < 200<br>Moderate risk: 200 - 239<br>High risk: >= 240                                             | Colorimetric           |
| TRIGLYCERIDES        | 244 <sup>H</sup>   | mg/dl  | < 150                                                                                                        | Enzymatic Colorimetric |
| HDL CHOLESTEROL      | 33.97 <sup>L</sup> | mg/dl  | No risk: > 55<br>Moderate risk: 35 - 55<br>High risk: <35                                                    | Enzymatic Colorimetric |
| LDL CHOLESTEROL      | 114.1 <sup>H</sup> | mg/dl  | Optimal : < 100<br>Above Optimal : 100 - 129<br>Borderline: 130 - 159<br>High: 160 - 189<br>Very High: > 190 | Calculated             |
| TOTAL CHOL/HDL RATIO | 5.8 <sup>H</sup>   | Ratio  | < 4.5                                                                                                        |                        |

**\*\*The target level varies depending on the added risk factors. \*As per current NCEP Guidelines.**



**Dr. Uday Sudhalker**  
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DHA-P-0123520



Registered On : 11/Jun/22 09:06 AM  
Reported On : 11/Jun/22 10:51 AM  
Authorized On : 11/Jun/22 10:51 AM  
Printed On : 12/Jun/22 01:02 PM



**SHEEBA BALAKRISHNAN**  
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|----------------------------------|--------|--------|------------|-------------|
| <b>ENDOCRINOLOGY</b>             |        |        |            |             |
| TSH(THYROID STIMULATING HORMONE) | 1.129  | uIU/mL | 0.3-4.5    | CLIA        |



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|-----------|--------|------|------------|-------------|

**HAEMATOLOGY**

**Volumetric impedance & Spectrophotometry**

|                                    |                    |                       |              |
|------------------------------------|--------------------|-----------------------|--------------|
| RBCs                               | 5.66               | 10 <sup>6</sup> ul    | 4.32 - 5.72  |
| Hemoglobin                         | 17.58 <sup>H</sup> | g/dL                  | 13.5 - 17.5  |
| Haematocrit                        | 51.3 <sup>H</sup>  | %                     | 38.8 - 50    |
| Mean cell volume                   | 90.6               | fL                    | 81.2 - 95.1  |
| Mean cell hemoglobin               | 31.1               | pg/mL                 | 27 - 34      |
| Mean cell hemoglobin concentration | 34.3               | g/dl                  | 32 - 37      |
| RDW                                | 14.3               | g/dL                  | 11.8 - 15.6  |
| WBC                                | 8.42               | x 10 <sup>3</sup> /uL | 3.5 - 10.5   |
| MPV                                | 9.25               | fL                    | 7.42 - 10.77 |

**Differential Count (Flow cytometry /Smear)**

|            |                    |                       |           |
|------------|--------------------|-----------------------|-----------|
| Neutrophil | 70.06 <sup>H</sup> | %                     | 50 - 65   |
| Lymphocyte | 22.09 <sup>L</sup> | %                     | 25 - 40   |
| Monocytes  | 6.59               | %                     | 3 - 7     |
| Eosinophil | 0.94               | %                     | 0 - 3     |
| Basophil   | 0.32               | %                     | 0 - 1     |
| Platelet   | 198.0              | x 10 <sup>3</sup> /uL | 150 - 450 |

\*\*\*\* End of Report \*\*\*\*



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