

**TRUST MEDICAL LABORATORY**

M1 Dubai Islamic Bank same building, Al wuheida Road,

Al Mamzar Dubai UAE P.O Box:94733

Tel No. : 04-23988766, Fax : 04-2398299, Email: [info@tmluae.com](mailto:info@tmluae.com)**LABORATORY INVESTIGATION REPORT**

|                       |                         |                    |                             |
|-----------------------|-------------------------|--------------------|-----------------------------|
| Name                  | : DOCTOR MANDLAENKOSI   | Referral Clinic    | : PESHAWAR MEDICAL CENTER ( |
| D.O.B / Sex           | : (31 Years) / MALE     | Referral Doctor    | : DR. SAJID                 |
| PatientID/Nationality | : 159217 / SOUTH AFRICA | LabID / Clinic No. | : <b>109324</b> / 37253     |

| Test Name        | Result | Unit  | Ref. Range | Methodology |
|------------------|--------|-------|------------|-------------|
| Immunoglobulin E | 64.43  | IU/mL | 28.0-140   |             |

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



Registered On : 15/Jul/22 07:48 AM  
Reported On : 15/Jul/22 09:19 AM  
Authorized On : 15/Jul/22 09:19 AM  
Printed On : 01/Aug/22 05:23 PM

**SHEEBA BALAKRISHNAN**  
Laboratory Technologist  
DHA-P-0219101

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| Test Name            | Result             | Unit   | Ref. Range                                                                                                   | Methodology            |
|----------------------|--------------------|--------|--------------------------------------------------------------------------------------------------------------|------------------------|
| <b>BIOCHEMISTRY</b>  |                    |        |                                                                                                              |                        |
| CHLORIDE             | 102                | mmol/L | 95-105                                                                                                       | Direct ISE             |
| CHOLESTEROL, TOTAL   | 207 <sup>H</sup>   | mg/dl  | No risk : < 200<br>Moderate risk: 200 - 239<br>High risk: >= 240                                             | Colorimetric           |
| POTASSIUM            | 4.3                | mmol/L | 3.5-5.5                                                                                                      | Direct ISE             |
| SODIUM               | 140                | mmol/L | 135-146                                                                                                      | Direct ISE             |
| TRIGLYCERIDES        | 113                | mg/dl  | < 150                                                                                                        | Enzymatic Colorimetric |
| HDL CHOLESTEROL      | 39.09              | mg/dl  | No risk: > 55<br>Moderate risk: 35 - 55<br>High risk: <35                                                    | Enzymatic Colorimetric |
| LDL CHOLESTEROL      | 145.0 <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 | 5.3 <sup>H</sup>   | Ratio  | < 4.5                                                                                                        |                        |

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

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|----------------------------------|--------|--------|------------|-------------|
| <b>ENDOCRINOLOGY</b>             |        |        |            |             |
| TSH(THYROID STIMULATING HORMONE) | 1.52   | uIU/mL | 0.3-4.5    | CLIA        |

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| <b>HAEMATOLOGY</b> |        |      |            |             |

**Volumetric impedance & Spectrophotometry**

|                                    |                    |                       |              |
|------------------------------------|--------------------|-----------------------|--------------|
| RBCs                               | 4.75               | 10 <sup>6</sup> ul    | 4.32 - 5.72  |
| Hemoglobin                         | 13.49 <sup>L</sup> | g/dL                  | 13.5 - 17.5  |
| Haematocrit                        | 41.9               | %                     | 38.8 - 50    |
| Mean cell volume                   | 88.2               | fL                    | 81.2 - 95.1  |
| Mean cell hemoglobin               | 28.4               | pg/mL                 | 27 - 34      |
| Mean cell hemoglobin concentration | 32.2               | g/dl                  | 32 - 37      |
| RDW                                | 15.8 <sup>H</sup>  | g/dL                  | 11.8 - 15.6  |
| WBC                                | 6.88               | x 10 <sup>3</sup> /uL | 3.5 - 10.5   |
| MPV                                | 10.39              | fL                    | 7.42 - 10.77 |

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

|            |                    |                       |           |
|------------|--------------------|-----------------------|-----------|
| Neutrophil | 20.69 <sup>L</sup> | %                     | 50 - 65   |
| Lymphocyte | 67.47 <sup>H</sup> | %                     | 25 - 40   |
| Monocytes  | 10.60 <sup>H</sup> | %                     | 3 - 7     |
| Eosinophil | 1.05               | %                     | 0 - 3     |
| Basophil   | 0.20               | %                     | 0 - 1     |
| Platelet   | 179.4              | x 10 <sup>3</sup> /uL | 150 - 450 |

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

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