

BML273311

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Miss. MELISHA MAHADOO       | <b>Ref No.</b>    | :                  |
| <b>DOB</b>          | : 29/03/1999                  | <b>Sample No.</b> | : 2309276776       |
| <b>Age / Gender</b> | : 24 Y / Female               | <b>Collected</b>  | : 25/09/2023 21:21 |
| <b>Referred by</b>  | : Dr. Enomen Goodluck Ekata   | <b>Registered</b> | : 26/09/2023 16:22 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 27/09/2023 02:42 |

## CLINICAL PATHOLOGY

| Test                             | Result        | Flag     | Unit    | Reference Range     | Methodology                   |
|----------------------------------|---------------|----------|---------|---------------------|-------------------------------|
| <b>URINE ANALYSIS ( ROUTINE)</b> |               |          |         |                     |                               |
| <b>MACROSCOPIC EXAMINATION</b>   |               |          |         |                     |                               |
| COLOR                            | YELLOW        |          |         | Pale to Dark Yellow | Visual                        |
| APPEARANCE                       | <b>TURBID</b> |          |         | -                   | Visual                        |
| <b>CHEMISTRY EXAMINATION</b>     |               |          |         |                     |                               |
| SPECIFIC GRAVITY                 | >=1.030       |          |         | 1.002 - 1.035       | Bromothymol blue              |
| PH                               | 6.0           |          |         | 4.5 - 8.0           | Litmus paper                  |
| GLUCOSE                          | NEGATIVE      |          |         | Negative            | GOD / POD                     |
| BLOOD                            | <b>++</b>     |          |         | Negative            | Peroxidase                    |
| PROTEIN                          | NEGATIVE      |          |         | Negative            | Protein error of pH indicator |
| LEUCOCYTE ESTERASE               | NEGATIVE      |          |         | Negative            | Esterase                      |
| UROBILINOGEN                     | 0.2           |          | E.U./dL | 0.2 - 1.0           | Diazo                         |
| BILIRUBIN                        | NEGATIVE      |          |         | Negative            | Diazo                         |
| KETONE                           | NEGATIVE      |          |         | Negative            | Legal's test                  |
| NITRITE                          | NEGATIVE      |          |         | Negative            | Griess test                   |
| <b>MICROSCOPIC EXAMINATION</b>   |               |          |         |                     |                               |
| LEUCOCYTES                       | 2 - 4         |          | /HPF    | 1 - 4               | Microscopy                    |
| ERYTHROCYTES                     | <b>5 - 6</b>  | <b>H</b> | /HPF    | 0 - 2               | Microscopy                    |
| EPITHELIAL CELLS                 | 1 - 2         |          | /HPF    | Variable            | Microscopy                    |
| BACTERIA                         | ABSENT        |          | /HPF    | Absent              | Microscopy                    |
| CASTS                            | ABSENT        |          | /HPF    | Absent              | Microscopy                    |
| CRYSTALS                         | ABSENT        |          | /HPF    | Absent              | Microscopy                    |
| OVA                              | ABSENT        |          | /HPF    | Absent              | Microscopy and Micrometry     |

### Interpretation Notes :

Instrumentation used for Chemistry test: Siemens Clinitek Advantus.

Sample Type : URINE

End of Report

**Dr. Adley Mark Fernandes**  
M.D (Pathology)  
Pathologist

**Dr. Vyoma V Shah**  
M.D (Pathology)  
Clinical Pathologist

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*Haleem*

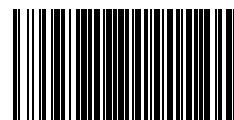
**HALEEM HAKKIM**  
Laboratory Technician

Printed on: 28/09/2023 11:05

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## Laboratory Investigation Report



BML273311

**Name** : Miss. MELISHA MAHADOO  
**DOB** : 29/03/1999  
**Age / Gender** : 24 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

**Ref No.** :  
**Sample No.** : 2309276776  
**Collected** : 25/09/2023 21:21  
**Registered** : 26/09/2023 16:22  
**Reported** : 26/09/2023 18:47

### HEMATOLOGY

| Test                              | Result | Flag | Unit                | Reference Range | Methodology                       |
|-----------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b> |        |      |                     |                 |                                   |
| HEMOGLOBIN                        | 13     |      | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                         | 4.5    |      | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                        | 39.9   |      | %                   | 35 - 45         | Calculation                       |
| MCV                               | 87.6   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                               | 28.6   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                              | 32.7   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                               | 12.6   |      | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                            | 38.9   |      | fL                  |                 | Calculation                       |
| MPV                               | 9.4    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                    | 300    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                               | 0.3    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                               | 16.9   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC)^             | 1.7    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT^              | 0.04   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC)^    | 0.0    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC^                     | 0.0    |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                         | 2.4    | L    | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>    |        |      |                     |                 |                                   |
| NEUTROPHILS                       | 56     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                       | 37     |      | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                       | 1      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                         | 5      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                         | 1      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>             |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT         | 1.3    | L    | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT         | 0.9    | L    | 10 <sup>3</sup> /uL | 1.2 - 6.6       | Calculation                       |
| ABSOLUTE MONOCYTE COUNT           | 0.1    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT         | 0      |      | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT           | 0      |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

**Dr. Adley Mark Fernandes**  
**M.D (Pathology)**  
**Pathologist**

**Dr. Vyoma V Shah**  
**M.D (Pathology)**  
**Clinical Pathologist**



**MIDHUN MANIKANDAN GEETHA**  
**Laboratory Technologist**

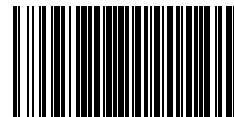
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### HEMATOLOGY

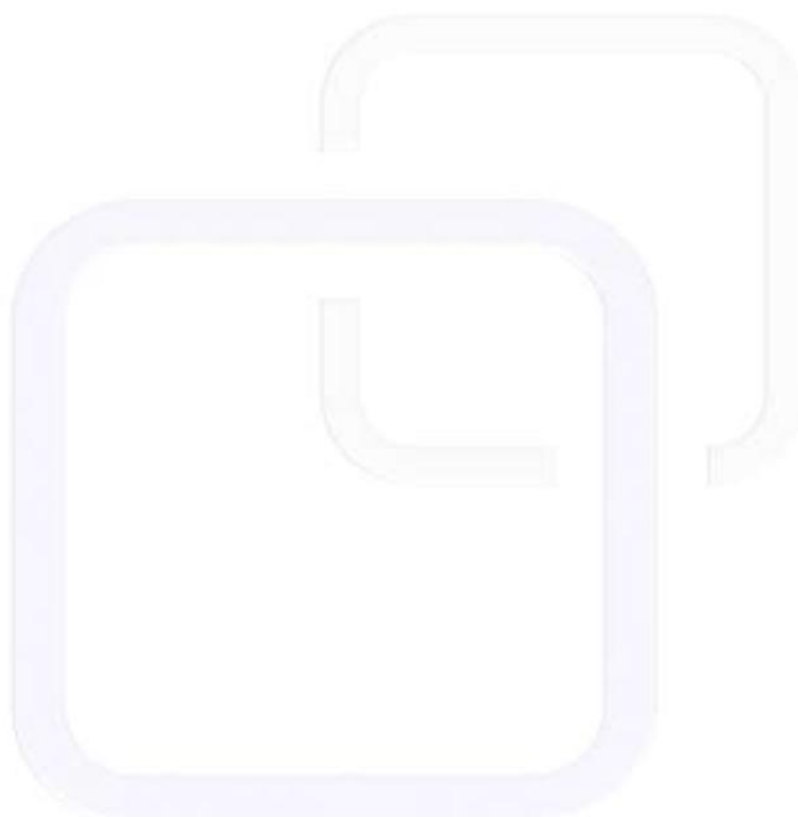
| Test | Result | Flag | Unit | Reference Range | Methodology |
|------|--------|------|------|-----------------|-------------|
|------|--------|------|------|-----------------|-------------|

#### COMPLETE BLOOD COUNT (CBC)

Interpretation Notes : Please note update on CBC report format and changes in reference ranges.

Sample Type : EDTA Whole Blood

End of Report



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