

## Laboratory Investigation Report

BML297375

**Name** : Ms. MARY WAMAITHA KARANJA  
**DOB** : 07/06/1999  
**Age / Gender** : 24 Y / Female  
**Referred by** : Dr. Enomen Goodluck Ekata  
**Centre** : Peshawar Medical Center LLC

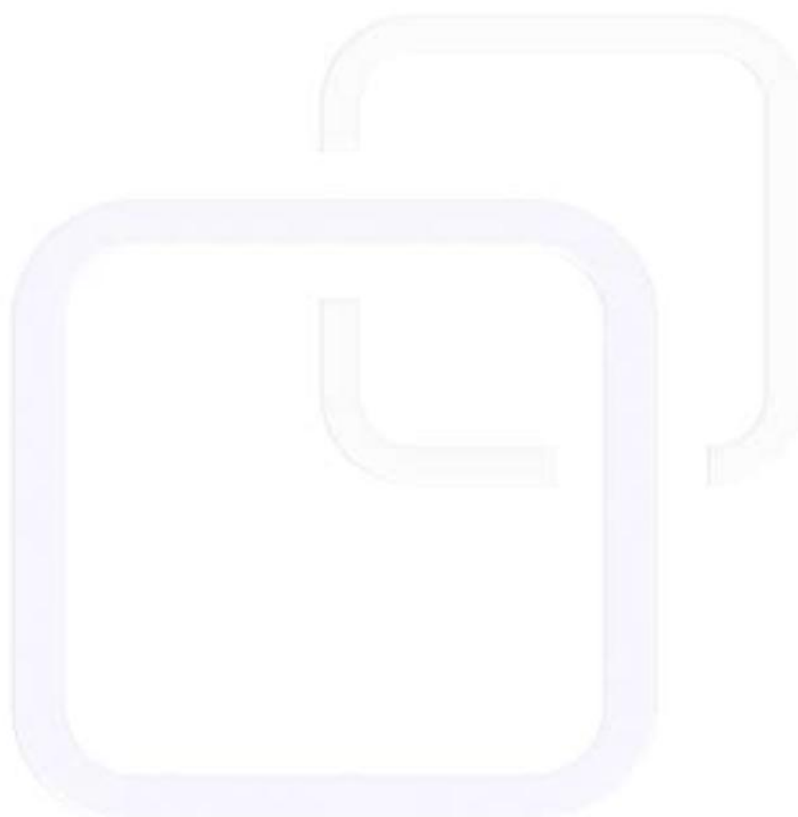
**Ref No.** :  
**Sample No.** : 2311301191  
**Collected** : 03/11/2023 09:00  
**Registered** : 04/11/2023 13:54  
**Reported** : 04/11/2023 21:10

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                 | Methodology        |
|--------------------------|--------|------|------|-------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 10.58  | H    | mg/L | < 5.0<br>Please note change in reference range. | Immunoturbidimetry |

Sample Type : Serum

End of Report



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

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

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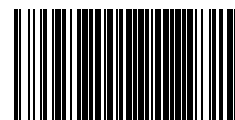
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**MOHAMMED RASHID CHENANGADATH**  
Laboratory Technologist

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## HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 12.8   |      | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 4.5    |      | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                                 | 38.7   |      | %                   | 35 - 45         | Calculation                       |
| MCV                                        | 85.2   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 28.2   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 33.1   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 13.7   |      | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                                     | 41.1   |      | fL                  |                 | Calculation                       |
| MPV                                        | 8.7    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 398    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.3    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 16.2   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 1      |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.1    |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.0    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0.0    |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 9.4    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 80     | H    | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 13     | L    | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                                | 6      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 1      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 0      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 7.5    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 1.2    |      | 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                  | 0.6    |      | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT                    | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

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**MOHAMMED RASHID CHENANGADATH**  
**Laboratory Technologist**

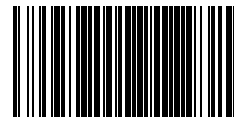
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### HEMATOLOGY

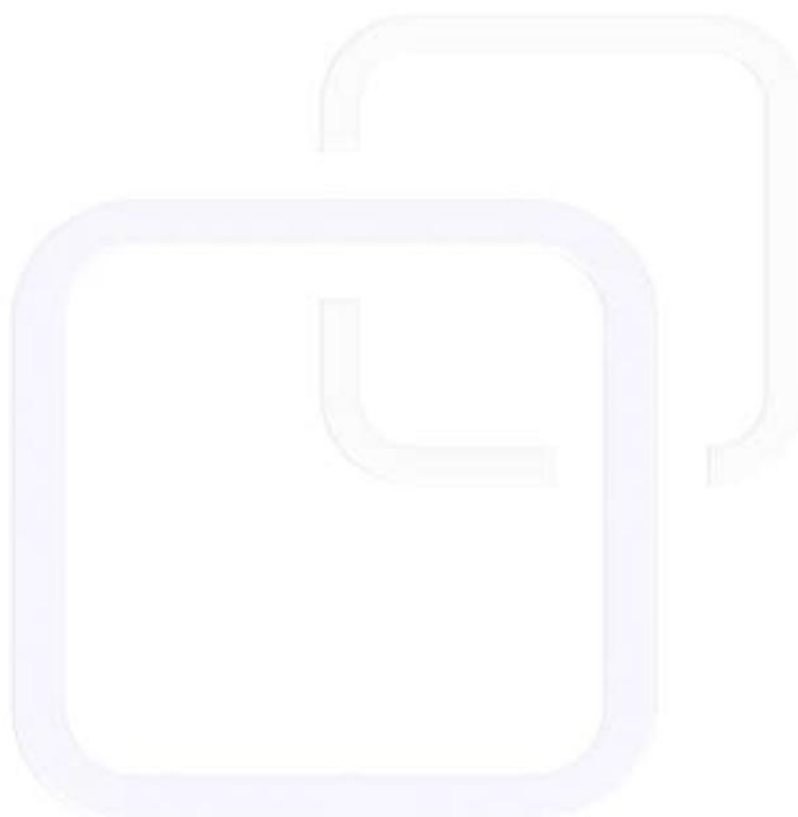
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|------|--------|------|------|-----------------|-------------|
|------|--------|------|------|-----------------|-------------|

#### 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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