

BML432016

## Laboratory Investigation Report

**Name** : Mr. MUHAMMAD YASIN  
**DOB** : 10/05/1977  
**Age / Gender** : 47 Y / Male  
**Referred by** : DR ENOMEN  
**Centre** : Peshawar Medical Center LLC

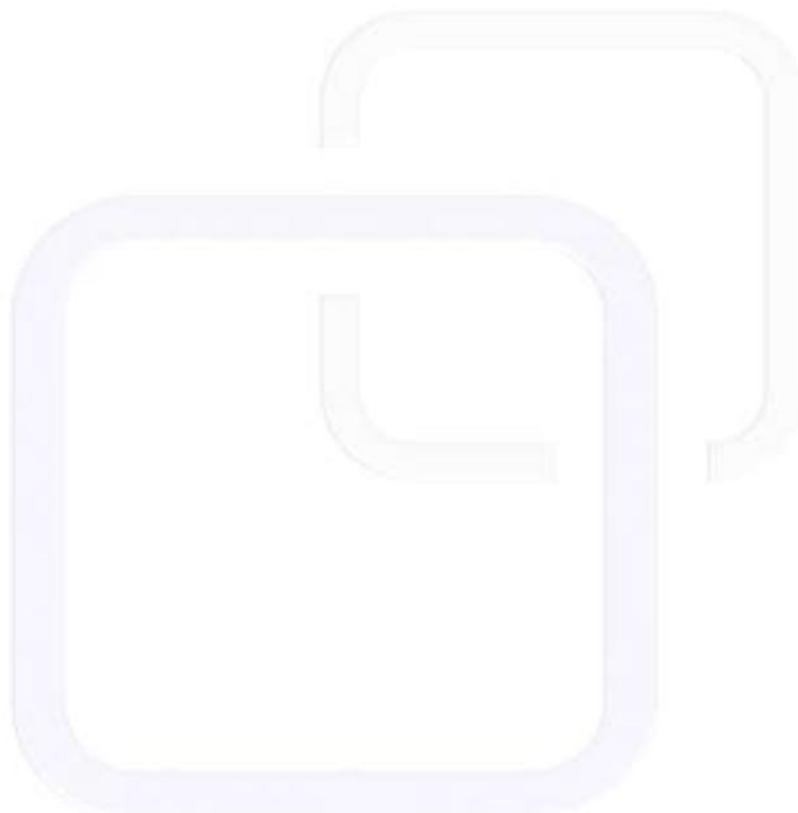
**Ref No.** : 29462  
**Sample No.** : 2407441670  
**Collected** : 01/07/2024 22:57  
**Registered** : 02/07/2024 14:31  
**Reported** : 02/07/2024 20:46

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                    | Methodology        |
|--------------------------|--------|------|------|----------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 11.8   | H    | mg/L | < 5.0<br>Please note change.<br>Source: Roche IFU. | Immunoturbidimetry |

Sample Type : Serum

End of Report



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

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

*Q. Hakeem*

**HALEEM HAKKIM**

Laboratory Technician

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### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 14.3   |      | g/dL                | 13.5 - 17.5     | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 5.6    |      | 10 <sup>6</sup> /μL | 4.3 - 5.7       | Electrical Impedance              |
| HEMATOCRIT                                 | 44.1   |      | %                   | 38 - 50         | Calculation                       |
| MCV                                        | 79.1   | L    | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 25.7   | L    | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 32.5   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 14.1   |      | %                   | 11.8 - 15.6     | Calculation                       |
| RDW-SD                                     | 38.9   |      | fL                  |                 | Calculation                       |
| MPV                                        | 8.6    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 221    |      | 10 <sup>3</sup> /uL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.2    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 16.5   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.2    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.02   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC) <sup>^</sup> | 0.1    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC <sup>^</sup>                  | 0      |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                                  | 8.8    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 83     | H    | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 10     | L    | %                   | 20 - 45         | Flow Cytometry                    |
| EOSINOPHILS                                | 1      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 0      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 7.3    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 0.8    |      | 10 <sup>3</sup> /uL | 0.8 - 4.95      | Calculation                       |
| ABSOLUTE MONOCYTE COUNT                    | 0.4    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT                  | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT                    | 0.0    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

**Dr. Adley Mark Fernandes**  
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Pathologist

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Clinical Pathologist



**MUBASHER ZAHOOR**  
Laboratory Technologist

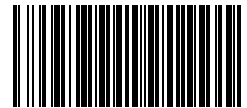
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### HEMATOLOGY

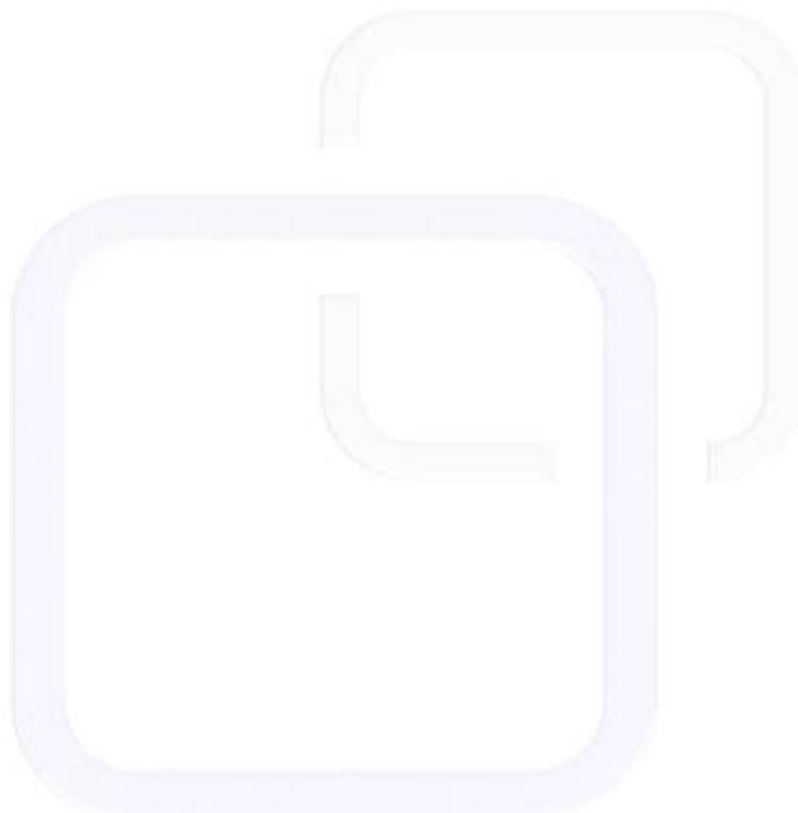
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|------|--------|------|------|-----------------|-------------|
|------|--------|------|------|-----------------|-------------|

#### 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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