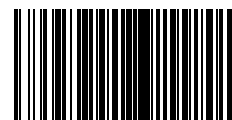


## Laboratory Investigation Report



BML317868

**Name** : Ms. EMILY VERITY  
**DOB** :  
**Age / Gender** : 26 Y / Female  
**Referred by** : Peshawar Medical Center LLC  
**Centre** : Peshawar Medical Center LLC

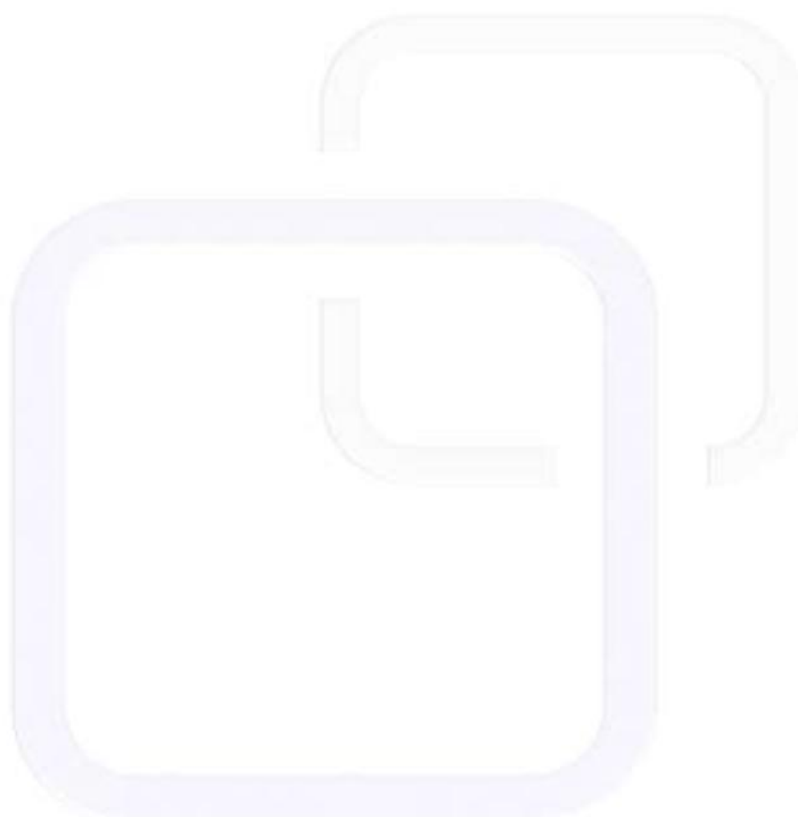
**Ref No.** : 38574  
**Sample No.** : 2312322222  
**Collected** : 09/12/2023 10:00  
**Registered** : 09/12/2023 18:15  
**Reported** : 09/12/2023 21:56

### BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                 | Methodology        |
|--------------------------|--------|------|------|-------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 1.3    |      | 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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Page 1 of 4

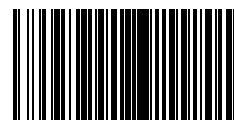
**HARSHAD MANIKANDAN**  
Laboratory Technician

Printed on: 10/12/2023 09:56

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## Laboratory Investigation Report



BML317868

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**Ref No.** : 38574  
**Sample No.** : 2312322222  
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**Reported** : 09/12/2023 21:36

### HEMATOLOGY

| Test                                       | Result | Flag | Unit                | Reference Range | Methodology                       |
|--------------------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b>          |        |      |                     |                 |                                   |
| HEMOGLOBIN                                 | 12.4   |      | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                                  | 4.1    |      | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                                 | 35.8   |      | %                   | 35 - 45         | Calculation                       |
| MCV                                        | 87.5   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                                        | 30.3   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                                       | 34.7   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                                        | 12.1   |      | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                                     | 37.6   |      | fL                  |                 | Calculation                       |
| MPV                                        | 7.2    | L    | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                             | 330    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                                        | 0.2    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                                        | 15.9   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC) <sup>^</sup>          | 0.5    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT <sup>^</sup>           | 0.04   |      | 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                                  | 8.9    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>             |        |      |                     |                 |                                   |
| NEUTROPHILS                                | 58     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                                | 33     |      | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                                | 2      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                                  | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                                  | 1      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>                      |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT                  | 5.2    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT                  | 2.8    |      | 10 <sup>3</sup> /uL | 1.2 - 6.6       | Calculation                       |
| ABSOLUTE MONOCYTE COUNT                    | 0.6    |      | 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                    | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

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**Pathologist**

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**Clinical Pathologist**

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Page 2 of 4

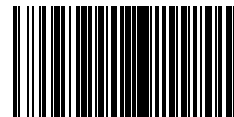


**MIDHUN MANIKANDAN GEETHA**  
**Laboratory Technologist**

Printed on: 10/12/2023 09:56

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## Laboratory Investigation Report

BML317868

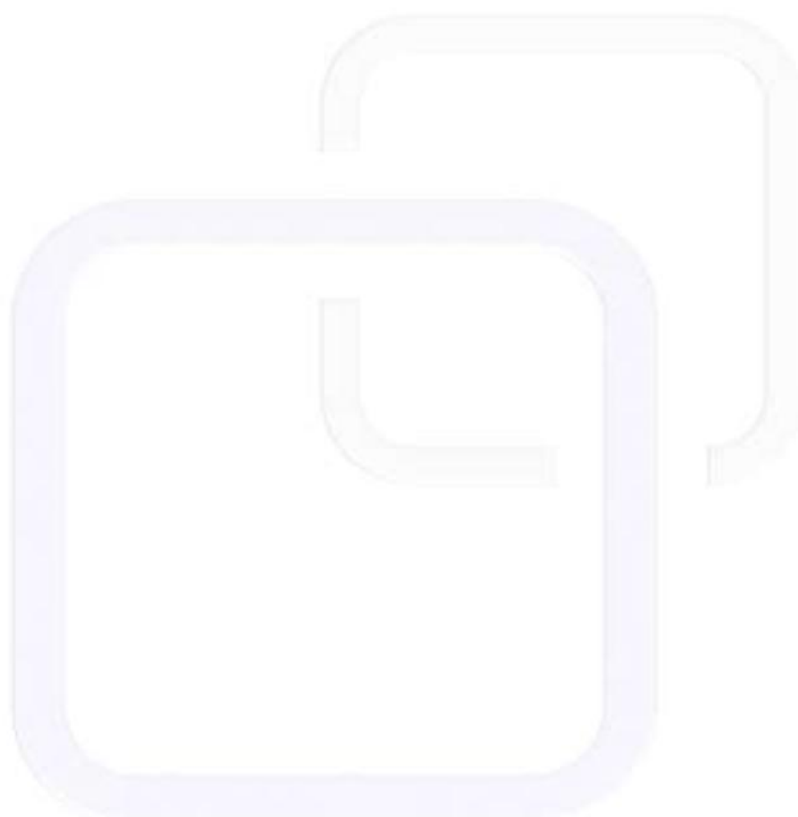
|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Ms. EMILY VERITY            | <b>Ref No.</b>    | : 38574            |
| <b>DOB</b>          | :                             | <b>Sample No.</b> | : 2312322222       |
| <b>Age / Gender</b> | : 26 Y / Female               | <b>Collected</b>  | : 09/12/2023 10:00 |
| <b>Referred by</b>  | : Peshawar Medical Center LLC | <b>Registered</b> | : 09/12/2023 18:15 |
| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 09/12/2023 21:36 |

### 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.



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

**MIDHUN MANIKANDAN GEETHA**  
Laboratory Technologist

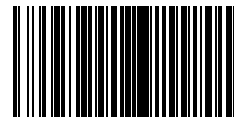
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Page 3 of 4

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## Laboratory Investigation Report

BML317868

|                     |                               |                   |                    |
|---------------------|-------------------------------|-------------------|--------------------|
| <b>Name</b>         | : Ms. EMILY VERITY            | <b>Ref No.</b>    | : 38574            |
| <b>DOB</b>          | :                             | <b>Sample No.</b> | : 2312322222       |
| <b>Age / Gender</b> | : 26 Y / Female               | <b>Collected</b>  | : 09/12/2023 10:00 |
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| <b>Centre</b>       | : Peshawar Medical Center LLC | <b>Reported</b>   | : 10/12/2023 01:10 |

### HAEMATOLOGY

| Test                                 | Result | Flag | Unit  | Reference Range                                       | Methodology |
|--------------------------------------|--------|------|-------|-------------------------------------------------------|-------------|
| ERYTHROCYTE SEDIMENTATION RATE (ESR) | 4      |      | mm/hr | < 20Please note change in reference range and method. | Automated   |

#### Interpretation Notes :

Increased ESR is seen in inflammation, pregnancy, anemia, autoimmune disorders (such as rheumatoid arthritis and lupus), infections, some kidney diseases and some cancers (such as lymphoma and multiple myeloma).

The ESR is decreased in polycythemia, hyperviscosity, sickle cell anemia, leukemia, low plasma protein (due to liver or kidney disease), congestive heart failure, hypofibrinogenemia and leukocytosis.

Sample Type : EDTA Whole Blood

End of Report

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