



BML265879

Name : DOHA  
DOB :  
Age / Gender : 38 Y / Female  
Referred by : DR. RESHMI  
Centre : Peshawar Medical Center LLC

Ref No. : 40719  
Sample No. : 2309269297  
Collected : 14/09/2023 16:00  
Registered : 14/09/2023 20:32  
Reported : 15/09/2023 08:01

BIOCHEMISTRY

| Test                     | Result | Flag | Unit | Reference Range                                    | Methodology        |
|--------------------------|--------|------|------|----------------------------------------------------|--------------------|
| C-REACTIVE PROTEIN (CRP) | 17.2   | CH   | mg/L | < 6.0<br>Please note change in<br>reference range. | Immunoturbidimetry |

Comments : Please correlate clinically.

Sample Type : Serum

End of Report



Dr. Adley Mark Fernandes

M.D (Pathology)

Pathologist

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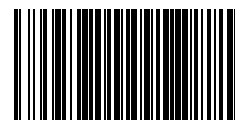
BHAVYA THENDANKANDY

Biochemistry Technologist

Printed on: 15/09/2023 11:01

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|              |                               |            |                    |
|--------------|-------------------------------|------------|--------------------|
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| DOB          | :                             | Sample No. | : 2309269297       |
| Age / Gender | : 38 Y / Female               | Collected  | : 14/09/2023 16:00 |
| Referred by  | : DR. RESHMI                  | Registered | : 14/09/2023 20:32 |
| Centre       | : Peshawar Medical Center LLC | Reported   | : 14/09/2023 23:56 |

## HEMATOLOGY

| Test                              | Result | Flag | Unit                | Reference Range | Methodology                       |
|-----------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b> |        |      |                     |                 |                                   |
| HEMOGLOBIN                        | 11.5   | L    | g/dL                | 12 - 15.5       | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                         | 4.9    |      | 10 <sup>6</sup> /μL | 3.9 - 5         | Electrical Impedance              |
| HEMATOCRIT                        | 36.1   |      | %                   | 35 - 45         | Calculation                       |
| MCV                               | 74     | L    | fL                  | 82 - 98         | Calculation                       |
| MCH                               | 23.5   | L    | pg                  | 27 - 32         | Calculation                       |
| MCHC                              | 31.8   | L    | g/dL                | 32 - 37         | Calculation                       |
| RDW                               | 16.8   | H    | %                   | 11.9 - 15.5     | Calculation                       |
| RDW-SD                            | 44.6   |      | fL                  |                 | Calculation                       |
| MPV                               | 11.4   | H    | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                    | 296    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                               | 0.3    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                               | 16.3   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC)^             | 0.3    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT^              | 0.01   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC)^    | 0.4    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC^                     | 0      |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                         | 5.1    |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>    |        |      |                     |                 |                                   |
| NEUTROPHILS                       | 49     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                       | 43     |      | %                   | 30 - 60         | Flow Cytometry                    |
| EOSINOPHILS                       | 1      |      | %                   | 0 - 6           | Flow Cytometry                    |
| MONOCYTES                         | 6      |      | %                   | 1 - 6           | Flow Cytometry                    |
| BASOPHILS                         | 1      |      | %                   | 0 - 1           | Flow Cytometry                    |
| <b>ABSOLUTE COUNT</b>             |        |      |                     |                 |                                   |
| ABSOLUTE NEUTROPHIL COUNT         | 2.5    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT         | 1.9    |      | 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      |      | 10 <sup>3</sup> /uL | 0 - 0.66        | Calculation                       |
| ABSOLUTE BASOPHIL COUNT           | 0.1    |      | 10 <sup>3</sup> /uL | 0 - 0.11        | Calculation                       |

Dr. Adley Mark Fernandes

M.D (Pathology)

Pathologist

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MIDHUN MANIKANDAN GEETHA

Laboratory Technologist

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## Laboratory Investigation Report

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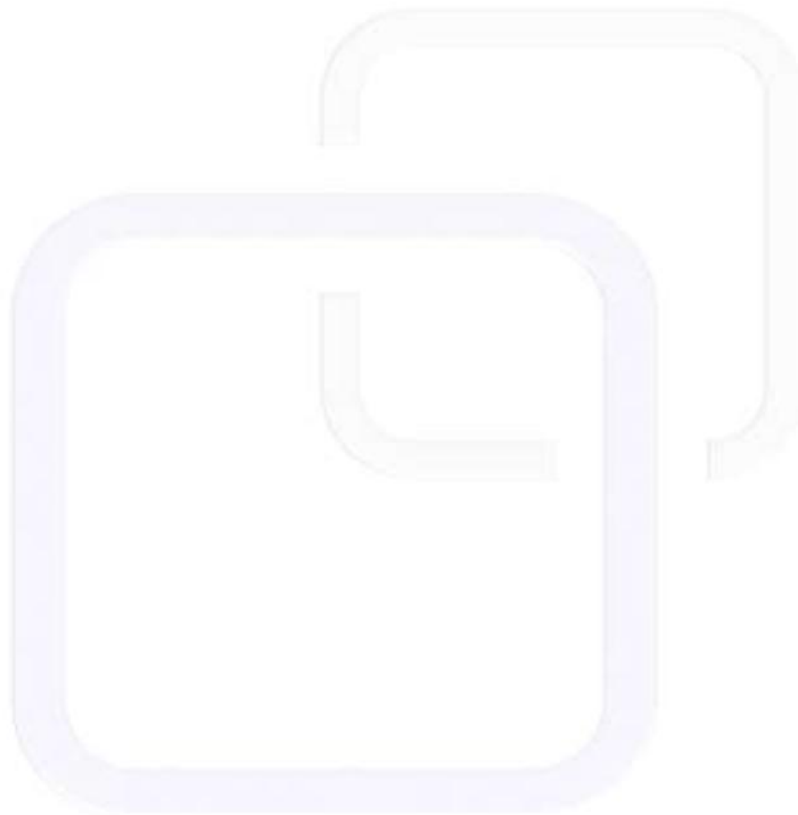
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### HEMATOLOGY

| 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.



**Dr. Adley Mark Fernandes**

**M.D (Pathology)**

**Pathologist**

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### HAEMATOLOGY

| Test                                 | Result | Flag | Unit  | Reference Range                                        | Methodology |
|--------------------------------------|--------|------|-------|--------------------------------------------------------|-------------|
| ERYTHROCYTE SEDIMENTATION RATE (ESR) | 36     | H    | mm/hr | < 20 Please 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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