



## Laboratory Investigation Report

BML266342

**Name** : KHOOR SHID  
**DOB** : 01/03/1985  
**Age / Gender** : 38 Y 6 M / Male  
**Referred by** : DR. RASHMI KESHAVA  
**Centre** : Peshawar Medical Center LLC

**Ref No.** : 40954  
**Sample No.** : 2309269760  
**Collected** : 15/09/2023 14:00  
**Registered** : 15/09/2023 16:55  
**Reported** : 15/09/2023 22:42

### BIOCHEMISTRY

| Test            | Result | Flag | Unit | Reference Range | Methodology        |
|-----------------|--------|------|------|-----------------|--------------------|
| ALBUMIN (SERUM) | 5.3    | H    | g/dL | 3.4 - 5.0       | Bromocresol purple |

#### Interpretation Notes :

High albumin may indicate dehydration

Low albumin is found with use of I.V. fluids, rapid hydration, overhydration; cirrhosis, other liver disease, including chronic alcoholism; in pregnancy and with oral contraceptive use; many chronic diseases including the nephrotic syndromes, neoplasia, protein-losing enteropathies (including Crohn's disease and ulcerative colitis), peptic ulcer, thyroid disease, burns, severe skin disease, prolonged immobilization, heart failure, chronic inflammatory diseases such as the collagen diseases and other chronic catabolic states.

Sample Type : Serum

End of Report

**Dr. Adley Mark Fernandes**

**M.D (Pathology)**

**Pathologist**

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Page 1 of 4

**HARSHAD MANIKANDAN**

Laboratory Technician

Printed on: 16/09/2023 13:55

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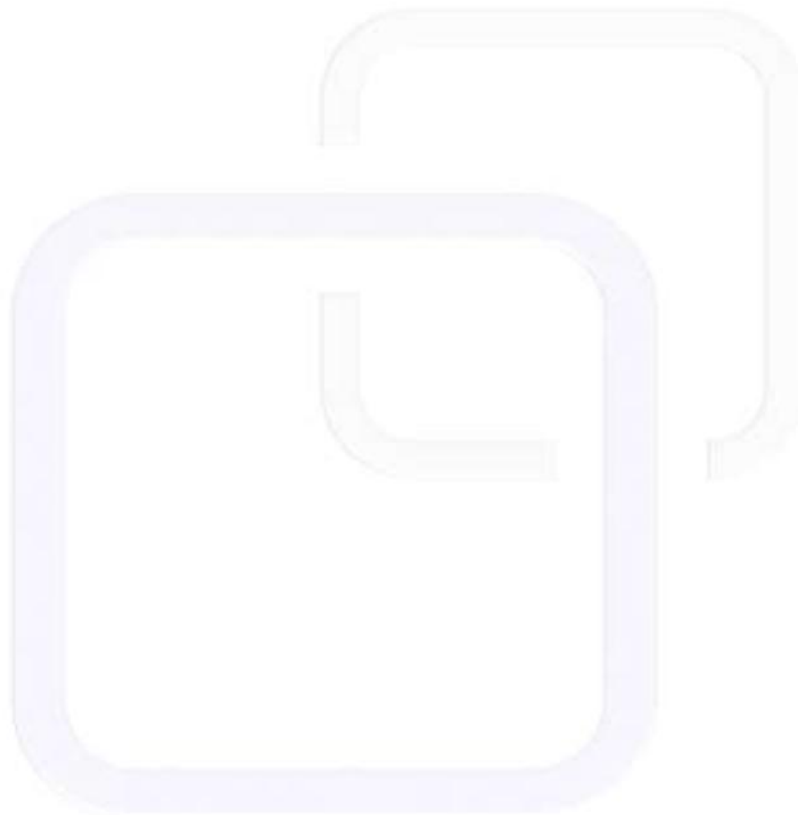
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BIOCHEMISTRY

| Test              | Result | Flag | Unit  | Reference Range | Methodology |
|-------------------|--------|------|-------|-----------------|-------------|
| GLUCOSE (FASTING) | 303    | H    | mg/dL | < 100           | Hexokinase  |

Sample Type : Fluoride Plasma

End of Report



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Pathologist

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Page 2 of 4

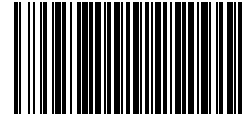
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## HEMATOLOGY

| Test                              | Result | Flag | Unit                | Reference Range | Methodology                       |
|-----------------------------------|--------|------|---------------------|-----------------|-----------------------------------|
| <b>COMPLETE BLOOD COUNT (CBC)</b> |        |      |                     |                 |                                   |
| HEMOGLOBIN                        | 15.3   |      | g/dL                | 13.5 - 17.5     | Spectrophotometry (Oxyhemoglobin) |
| RBC COUNT                         | 5.4    |      | 10 <sup>6</sup> /μL | 4.3 - 5.7       | Electrical Impedance              |
| HEMATOCRIT                        | 45.8   |      | %                   | 38 - 50         | Calculation                       |
| MCV                               | 85.1   |      | fL                  | 82 - 98         | Calculation                       |
| MCH                               | 28.3   |      | pg                  | 27 - 32         | Calculation                       |
| MCHC                              | 33.3   |      | g/dL                | 32 - 37         | Calculation                       |
| RDW                               | 13.6   |      | %                   | 11.8 - 15.6     | Calculation                       |
| RDW-SD                            | 41.1   |      | fL                  |                 | Calculation                       |
| MPV                               | 8.3    |      | fL                  | 7.6 - 10.8      | Calculation                       |
| PLATELET COUNT                    | 346    |      | 10 <sup>3</sup> /μL | 150 - 450       | Electrical Impedance              |
| PCT                               | 0.3    |      | %                   | 0.01 - 9.99     | Calculation                       |
| PDW                               | 16.5   |      | Not Applicable      | 0.1 - 99.9      | Calculation                       |
| NUCLEATED RBC (NRBC)^             | 0.1    |      | /100 WBC            |                 | Flow Cytometry                    |
| ABSOLUTE NRBC COUNT^              | 0.01   |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| EARLY GRANULOCYTE COUNT (EGC)^    | 0.1    |      | %                   |                 | Flow Cytometry                    |
| ABSOLUTE EGC^                     | 0      |      | 10 <sup>3</sup> /uL |                 | Calculation                       |
| WBC COUNT                         | 10.7   |      | 10 <sup>3</sup> /μL | 4 - 11          | Electrical Impedance              |
| <b>DIFFERENTIAL COUNT (DC)</b>    |        |      |                     |                 |                                   |
| NEUTROPHILS                       | 51     |      | %                   | 40 - 75         | Flow Cytometry                    |
| LYMPHOCYTES                       | 40     |      | %                   | 20 - 45         | 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         | 5.5    |      | 10 <sup>3</sup> /uL | 1.6 - 8.25      | Calculation                       |
| ABSOLUTE LYMPHOCYTE COUNT         | 4.2    |      | 10 <sup>3</sup> /uL | 0.8 - 4.95      | Calculation                       |
| ABSOLUTE MONOCYTE COUNT           | 0.6    |      | 10 <sup>3</sup> /uL | 0.04 - 0.66     | Calculation                       |
| ABSOLUTE EOSINOPHIL COUNT         | 0.3    |      | 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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**M.D (Pathology)**

**Pathologist**

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**MIDHUN MANIKANDAN GEETHA**

**Laboratory Technologist**

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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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