

**Name** : Mohamed Kamel Abdelgaid Elmahd  
**Lab. No.** : 3022114050  
**Contract.** : Next Care Insurance -Dubai  
**Patient No.** : 30-80016  
**File No.** : 37816  
**Sample Date** : 15/09/2022 22:21 PM  
**Report Date** : 16/09/2022 15:15 PM  
**Doctor references** : Dr. Tooba Karim

**Branch** : Al Borg Lab. Dubai Deirah  
**Age** : 33 Year  
**DOB** 01/01/1989  
**Sex** : Male

### Cholesterol/HDL/LDL/Triglycerides

| Test        | Result | Unit  | Ref. Range                                                |
|-------------|--------|-------|-----------------------------------------------------------|
| Cholesterol | 222 H  | mg/dl | No risk <200<br>Moderate risk 200 - 240<br>High risk >240 |

#### Comments

Primary sample: Serum  
 Methodology : Enzymatic colorimetric assay in the presence pf peroxidase.

|                             |       |       |            |
|-----------------------------|-------|-------|------------|
| Triglycerides (TG) in Serum | 269 H | mg/dL | Normal<200 |
|-----------------------------|-------|-------|------------|

#### Comments

Primary sample: Serum  
 Methodology : Enzymatic colorimetric assay

|                 |      |       |                                                                |
|-----------------|------|-------|----------------------------------------------------------------|
| HDL Cholesterol | 45 L | mg/dL | Optimum level ≥ 60<br>Borderline risk: 40-59<br>High risk: <40 |
|-----------------|------|-------|----------------------------------------------------------------|

#### Comments

Primary sample: Serum  
 Methodology : HOmogeneous Enzymatic colorimetric assay.

|                 |       |       |                                                                                                   |
|-----------------|-------|-------|---------------------------------------------------------------------------------------------------|
| LDL Cholesterol | 123 H | mg/dl | Optimal <100<br>Near optimal 100-129<br>Borderline high 130-159<br>High 160-189<br>Very high >189 |
|-----------------|-------|-------|---------------------------------------------------------------------------------------------------|

#### Comments

Sample type: Serum  
 Methodology: Calculation

\*This is non-accredited test.

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### Cholesterol/HDL/LDL/Triglycerides

| Test                | Result | Unit  | Ref. Range                                                                                                                                                                                    |
|---------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Non-HDL Cholesterol | 177 H  | mg/dL | very high >220<br>High 190-219<br>Borderline high 160-189<br>Near Ideal 130-159<br>Ideal for people at risk of heart disease <130<br>Ideal for people at very high risk of heart disease <100 |

### Comments

Patients with elevated levels of non-HDL-C and normal levels of LDL-C, often have an increased number of LDL particles, increased apo B or increased small, dense LDL particles and these are associated with an increased risk of CVD. Therefore non-HDL-C might be more valuable indicator of cardiovascular risk than LDL-C.  
 The treatment goal for non-HDL cholesterol in persons with high triglycerides (>199 mg/dl) is 30 mg/dl higher than their LDL cholesterol goal.

Reviewed By:



Dr. Shailendra Rathod.MD  
 Laboratory Director  
 Physician Specialist Clinical  
 Pathology  
 License no. 10944644-001

\*\* End Of Report \*\*

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**DOB** 01/01/1989  
**Sex** : Male

### Complete Blood Count - (CBC)

| Test                       | Result | Unit                     | Ref. Range  |
|----------------------------|--------|--------------------------|-------------|
| Hemoglobin                 | 15.0   | g/dL                     | 13.5 - 17.5 |
| Hematocrit                 | 44.8   | %                        | 38.8 - 50   |
| Red cell count             | 5.19   | $\times 10^{12}/L$       | 4.32 - 5.72 |
| MCV                        | 86.3   | fL                       | 81.2 - 95.1 |
| MCH                        | 28.9   | pg                       | 26.5 - 32.6 |
| MCHC                       | 33.5   | g/dL                     | 32 - 36     |
| RDW                        | 12.9   | %                        | 11.8 - 15.6 |
| Total Leucocytic Count     | 4.65   | $\times 10^9/L$          | 3.5 - 10.5  |
| Basophils absolute count   | 0.03   | $\times 10^9/L$          | 0 - 0.3     |
| Basophils relative count   | 0.65   | %                        |             |
| Eosinophils absolute count | 0.05   | <b>L</b> $\times 10^9/L$ | 0.05 - 0.5  |
| Eosinophils relative count | 1.08   | %                        |             |
| Neutrophils absolute count | 2.15   | $\times 10^9/L$          | 1.7 - 7     |
| Neutrophils relative count | 46.24  | %                        |             |
| Lymphocytes absolute count | 1.93   | $\times 10^9/L$          | 0.9 - 3.1   |
| Lymphocytes relative count | 41.51  | %                        |             |
| Monocytes absolute count   | 0.49   | $\times 10^9/L$          | 0.3 - 0.9   |
| Monocytes relative count   | 10.54  | %                        |             |

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**Deirah**

### Complete Blood Count - (CBC)

| Test           | Result | Unit                | Ref. Range |
|----------------|--------|---------------------|------------|
| Platelet Count | 304    | x10 <sup>9</sup> /L | 150 - 450  |

#### Comments

Sample type: EDTA Whole Blood

Methodology: (Hemoglobin =Cyanmethemoglobin) (Hematocrit = Calculation) (RBC, PLT, WBC and Diff Count = Flow cytometry)

Reviewed By:



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**Physician Specialist Clinical**  
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\*\* End Of Report \*\*