

**Name** : Abel Sater Abd El Rehim Mohamed Ahmed  
**Lab. No.** : 3022112212  
**Contract.** : Peshawer medical L.L.C  
**Patient No.** : 784197190280616  
**File No.** : 31897  
**Sample Date** : 26/08/2022 17:58 PM  
**Report Date** : 26/08/2022 18:27 PM  
**Doctor references** : Dr. Marvis Enyl

**Branch** : Al Borg Lab. Dubai Deirah  
**Age** : 51 Year  
**DOB** 06/12/1971  
**Sex** : Male

### Cholesterol/HDL/LDL/Triglycerides

| Test        | Result | Unit  | Ref. Range                                                |
|-------------|--------|-------|-----------------------------------------------------------|
| Cholesterol | 254 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 | 136 | mg/dL | Normal<200 |
|-----------------------------|-----|-------|------------|

#### Comments

Primary sample: Serum  
 Methodology : Enzymatic colorimetric assay

|                 |      |       |                                                                |
|-----------------|------|-------|----------------------------------------------------------------|
| HDL Cholesterol | 44 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 | 182 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

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### Cholesterol/HDL/LDL/Triglycerides

| Test                | Result | Unit  | Ref. Range                                                                                                                                                                                    |
|---------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Non-HDL Cholesterol | 210 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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Branch : Al Borg Lab. Dubai Deirah Age : 51 Year DOB 06/12/1971 Sex : Male

**Chemistry Unit**

| Test               | Result | Unit  | Ref. Range |
|--------------------|--------|-------|------------|
| Uric Acid in Serum | 5.0    | mg/dL | 3.4 - 7    |

**Comments**

Sample type: Serum  
Methodology :Enzymatic, colorimetric assay method

Reviewed By:



Dr. Shailendra Rathod.MD  
Laboratory Director  
Physician Specialist Clinical  
Pathology  
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**\*\* End Of Report \*\***

Verified By : Shailendra Rathod.MD

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**Branch** : Al Borg Lab. Dubai Deirah **Age** : 51 Year **DOB** 06/12/1971 **Sex** : Male

### Glycated Haemoglobin (HbA1c)

| Test                                         | Result | Unit  | Ref. Range                                                                                                     |
|----------------------------------------------|--------|-------|----------------------------------------------------------------------------------------------------------------|
| Hb A1c % {According to (DCCT/ NGSP)}         | 7.3    | %     | (NGSP Standardized)<br>Normal: 4 - 5.6<br>Prediabetic: 5.7 - 6.4<br>Diabetes: ≥ 6.5<br>Controlled Diabetes: <7 |
| Mean of blood glucose (in the last 3 months) | 163    | mg/dl |                                                                                                                |

#### Comments

Primary sample: Whole blood  
 Methodology: Turbidimetric inhibition immunoassay(TINIA)

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### Urine Analysis

| Test                          | Result                       | Unit  | Ref. Range        |
|-------------------------------|------------------------------|-------|-------------------|
| Urine Physical Examination    |                              |       |                   |
| Colour                        | Yellow                       |       | Yellow            |
| Aspect                        | Clear                        |       | Clear             |
| Specific Gravity              | 1.025                        |       | 1.005 - 1.028     |
| pH                            | 5.0                          |       | 5 - 8             |
| Leucocyte esterase            | Absent                       |       | Absent            |
| Nitrite                       | Absent                       |       | Absent            |
| Protein                       | Absent                       |       | Absent            |
| Glucose                       | Absent                       |       | Absent            |
| Ketones                       | Absent                       |       | Absent            |
| Urobilinogen                  | Normal Trace                 |       | Trace             |
| Bilirubin                     | Absent                       |       | Absent            |
| Blood and Haemoglobin         | Absent                       |       | Absent            |
| Urine Microscopic Examination |                              |       |                   |
| W. B. Cs / HPF                | 1-2                          | cells | 0 - 7             |
| R. B. Cs / HPFs               | 0-2                          | cells | 0 - 6             |
| Epithelial Cells / HPF        | Few                          | cells | Few to some cells |
| Casts                         | Absent                       |       | Absent            |
| Crystals                      | Calcium Oxalate Crystal (++) |       | Absent            |

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### Urine Analysis

| Test               | Result | Unit | Ref. Range |
|--------------------|--------|------|------------|
| Amorphous Elements | Absent |      | Absent     |

#### Comments

Sample type: Urine

#### Methodology

Semi-automatic benchtop instrument Combiscreen 11SYS

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### Complete Blood Count - (CBC)

| Test                       | Result | Unit               | Ref. Range  |
|----------------------------|--------|--------------------|-------------|
| Hemoglobin                 | 15.4   | g/dL               | 13.5 - 17.5 |
| Hematocrit                 | 47.2   | %                  | 38.8 - 50   |
| Red cell count             | 5.76 H | $\times 10^{12}/L$ | 4.32 - 5.72 |
| MCV                        | 81.9   | fL                 | 81.2 - 95.1 |
| MCH                        | 26.7   | pg                 | 26.5 - 32.6 |
| MCHC                       | 32.6   | g/dL               | 32 - 36     |
| RDW                        | 13.4   | %                  | 11.8 - 15.6 |
| Total Leucocytic Count     | 4.80   | $\times 10^9/L$    | 3.5 - 10.5  |
| Basophils absolute count   | 0.09   | $\times 10^9/L$    | 0 - 0.3     |
| Basophils relative count   | 1.88   | %                  |             |
| Eosinophils absolute count | 0.19   | $\times 10^9/L$    | 0.05 - 0.5  |
| Eosinophils relative count | 3.96   | %                  |             |
| Neutrophils absolute count | 1.70   | $\times 10^9/L$    | 1.7 - 7     |
| Neutrophils relative count | 35.42  | %                  |             |
| Lymphocytes absolute count | 2.45   | $\times 10^9/L$    | 0.9 - 3.1   |
| Lymphocytes relative count | 51.04  | %                  |             |
| Monocytes absolute count   | 0.37   | $\times 10^9/L$    | 0.3 - 0.9   |
| Monocytes relative count   | 7.71   | %                  |             |

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**Complete Blood Count - (CBC)**

| Test           | Result | Unit                | Ref. Range |
|----------------|--------|---------------------|------------|
| Platelet Count | 227    | 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)

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