



43418

Laboratory Investigation Report

Name Ms. HADEER KHALED HASSAN MOSTAFA

DOB 01/10/1994 Age / Gender 29 Y / Female DR AHSAN

CITICARE MEDICAL CENTER Centre

Ref No.

Sample No. 2408461318

Collected 11/08/2024 22:30

Registered 12/08/2024 13:24 Reported 12/08/2024 20:00

IMMUNOLOGY

Result Flag Unit **Reference Range** Test Methodology

Deficiency: <20 ng/mL VITAMIN D, 25-OH (TOTAL) **ECLIA** 16

> Insufficiency: 20 - <30 Sufficiency: 30 - 80 Toxicity: >80 Please note change. Source: Roche IFU.

INTERPRETATION NOTES:

Referred by

Vit D (25 - OH) is the sum of Vit D2 (25 - OH) and Vit D3 (25 - OH). In normal persons not taking external supplements - Vit D3 comprises approximately 90 % of the total.

25 hydroxy (25-OH) vitamin D3 or calcidiol is the storage form of vitamin D3. Deficiency is associated with osteoporosis, multiple sclerosis, and rheumatoid arthritis, and mood disorders. Both Vitamin D2 and Vitamin D3 are converted to 25-OH vitamin D3 in the liver. 25 hydroxy vitamin D3 circulates to the kidney where it is converted to 1, 25 hydroxy vitamins D3 or calcitriol, the functional form of the vitamin.

Calcitriol is vital to calcium regulation and low serum calcium causes release of parathormone which converts 25-OH vitamin D3 to 1, 25-OH vitamin D3 which then triggers osteolysis releasing calcium into the bloodstream.

Serum Sample Type:

End of Report

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

This is an electronically authenticated report

P.O Box: 49527

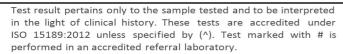
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ACCREDITED

HARSHAD MANIKANDAN Laboratory Technician

Printed on: 12/08/2024 20:02



Dubai, UAE

