



Laboratory Investigation Report

Name Ms. ANASTASIYA BIASONAVA

DOB 11/04/1988

Age / Gender 35 Y 11 M / Female

Referred by Peshawar Medical Center LLC Peshawar Medical Center LLC Centre

Ref No. 37218

Sample No. 2403380783

Collected 21/03/2024 20:00 Registered 21/03/2024 23:13

Reported 22/03/2024 00:36

IMMUNOLOGY

Result Flag Unit **Reference Range** Test Methodology

VITAMIN D, 25-OH (TOTAL) ng/mL Deficiency: <20 26

> Insufficiency: 20 - <30 Sufficiency: 30 - 80 Toxicity: >80

ECLIA

Interpretation Notes:

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

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.

Sample Type: Serum

End of Report

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

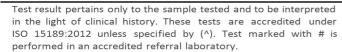
This is an electronically authenticated report

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