



Ms. SHASHI SHARMA

PID NO: P43160028946

Age: 32 Year(s) Sex: Female

Reference:

Sample Collected At:
Aggarsain Charitable Diagnostic
SCO. 12 SECTOR-5 PUNCHKULA (HRY)
134114

VID: 43160128963

Registered On:
21/02/2017 04:14 PM
Collected On:
21/02/2017 2:40AM
Reported On:
21/02/2017 06:32 PM

<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
25 Hydroxy (OH) Vit D (Serum,CMA)	6.2	ng/mL	Deficiency: < 10 Insufficiency: 10-29 Sufficiency: 30-100 Hypervitaminosis: > 100

Interpretation:

1. Vitamin D is a fat soluble vitamin and exists in two main forms as cholecalciferol(vitamin D3) which is synthesized in skin from 7-dehydrocholesterol in response to sunlight exposure & Ergocalciferol(vitamin D2) present mainly in dietary sources.Both cholecalciferol & Ergocalciferol are converted to 25(OH)vitamin D in liver.
2. Testing for 25(OH)vitamin D is recommended as it is the best indicator of vitamin D nutritional status as obtained from sunlight exposure & dietary intake. For diagnosis of vitamin D deficiency it is recommended to have clinical correlation with serum 25(OH)vitamin D, serum calcium, serum PTH & serum alkaline phosphatase.
3. During monitoring of oral vitamin D therapy- suggested testing of serum 25(OH)vitamin D is after 12 weeks or 3 mths of treatment. However, the required dosage of vitamin D supplements & time to achieve sufficient vitamin D levels show significant seasonal(especially winter) & individual variability depending on age, body fat, sun exposure, physical activity ,genetic factors(especially variable vitamin D receptor responses), associated liver or renal disease, malabsorption syndromes and calcium or magnesium deficiency influencing the vitamin D metabolism Vitamin D toxicity is known but very rare.kindly correlate clinically, repeat with fresh sample if indicated.

Associated Test Profile : As a holistic & scientific approach for diagnosis and optimal treatment for vitamin D deficiency, Vitamin D plus profile is suggested.

-- End of Report --

Dr. Shilpa Hastir
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