General DIAGNOSTICS
Accurate Results • Timely Delivered

Name:	SHRAVANI SURVE	**Age/Gender:**	18 Year(s) 0 Months(s) 0 Day(s)/Female
Referred By:	GEETA DALAL	**Client Name:**	N.A
Collection Date:	01-08-2024 12:46:00	**Report Release Date:**	02-08-2024 03:01:18

No.	Investigation	Observed Value	Unit	Biological Reference Interval
1	**Growth Hormone** Serum, Method: CLIA	**1.0**	**ng/ml**	**1 - 13.4**

Interpretation

Growth hormone (GH) essential for normal growth and development in children. It promotes proper linear bone growth from birth through puberty. It helps to regulate the rate at which the body both produces energy from food (metabolism) and makes lipids, proteins, and glucose (sugar). It also helps regulate the production of red blood cells and muscle mass. The value will be higher if the sample is taken during a pulse and lower if it is taken during a period between pulses. GH stimulation and suppression tests are therefore often used to diagnose GH abnormalities.

End Of Report

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* The analyte is not in the lab scope.
CRM No :8266175
Sample Recd. Time: 01-08-2024 22:07
Report Time: 02-08-2024 03:01
Patient Name: SHRAVANI SURVE
Patient ID: 8266175

Authorized Signatory
Dr Maibam Debala Chanu
MBBS,MD (Pathology)

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MediLab® DIAGNOSTICS

REPORTS

Patient Name	: MS. SHRAVANI SURVE	Sample Collection Time	: Aug 01, 2024, 01:23 p.m.
Age / Gender	: 18 years / Female	Registered On	: Aug 01, 2024, 01:23 p.m.
Patient Contact No.	:	Sample Accepted On	: Aug 01, 2024, 06:23 p.m.
Referring Doctor	: Dr. GEETA DALAL	Reported On	: Aug 01, 2024, 07:55 p.m.
Center Name	: MEDILAB MALAD	Sample UID No.	MD08240123
		Specimen Type	: Serum

SERUM 25(OH) - VITAMIN D - ECLIA (SERUM)

Test Description	Value(s)		Unit(s)	Biological Reference Interval
Vitamin D (25 - Hydroxy) Method : CLIA	17.73	L	ng/mL	Deficiency: < 20 Insufficiency: 20 - 30 Sufficiency: 30 - 100

Comments:

The main role of vitamin D is to help regulate blood levels of calcium, phosphorus, and (to a lesser extent) magnesium. Vitamin D is vital for the growth and health of bone; without it, bones will be soft, malformed, and unable to repair themselves normally, resulting in diseases called rickets in children and osteomalacia in adults. Vitamin D has also been shown to influence the growth and differentiation of many other tissues and to help regulate the immune system. These other functions have implicated vitamin D in other disorders, such as autoimmunity and cancer.

People at higher risk of deficiency include the elderly or obese people, people who don't get enough sun exposure, people with darker skin, and people who take certain medications for long periods of time. Adequate sun exposure is typically estimated to be two periods per week of 5-20 minutes. People who do not have adequate sun exposure may obtain the vitamin D that they need from food sources or supplements.

This test is done when:

- The serum calcium is low.
- The person has symptoms of vitamin D deficiency, such as bone malformation in children (rickets) and bone weakness, softness, or fracture in adults (osteomalacia).
- The individual is known to be at risk of vitamin D deficiency. Older adults, people who are institutionalized or homebound and/or have limited sun exposure, those who are obese, who have undergone gastric bypass surgery, and/or who have fat malabsorption are at an increased risk of a vitamin D deficiency. Also included in this group are people with darker skin and breastfed infants.
- The individual begins drug therapy for osteoporosis.

A low blood level of 25-hydroxyvitamin D may mean that a person is not getting enough exposure to sunlight or enough dietary vitamin D to meet his or her body's demand or that there is a problem with its absorption from the intestines. Occasionally, drugs used to treat seizures, particularly phenytoin (Dilantin), can interfere with the production of 25-hydroxyvitamin D in the liver. There is some evidence that vitamin D deficiency may increase the risk of some cancers, immune diseases, and cardiovascular disease.

A high level of 25-hydroxyvitamin D usually reflects excess supplementation from vitamin pills or other nutritional supplements.

Comment : Results released is as the sample received

END OF REPORT

Dr R Patil
M.D (Path)

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VERIFIED BY

TECHNICAL INCHARGE