

Patient: ~~Ortega~~ Leopoldo **DOB:** 08/23/1974 **Tel:** ~~951-805-4136~~

Lab: VITAMIN D, 1,25 DIHYDROXY LC/MS/MS **Date:** 2013-11-08

| Name | Value | Reference Range |
|---|-------|-----------------|
| VITAMIN D, 1,25 (OH) ₂ , TOTAL | 50 | 18-72 pg/mL |
| VITAMIN D ₃ , 1,25 (OH) ₂ | 50 | pg/mL |
| VITAMIN D ₂ , 1,25 (OH) ₂ | <8 | pg/mL |

Vitamin D₂, 1,25 (OH)₂: Reference ranges are established for total 1,25-dihydroxy vitamin D. Values for subcomponents D₂ (derived from plant or fungal sources) and D₃ (derived from human or animal sources) are provided for informational purposes only.

This test(s) was developed and its performance characteristics have been determined by Quest Diagnostics Nichols Institute, Valencia, CA. Performance characteristics refer to the analytical performance of the test.

***Notes:**

FASTING

AN UPDATE OR CORRECTION HAS BEEN MADE TO NAME
PERFORMING LAB: SLI, Quest Diagnostics-Nichols Valencia, 27027 Tournay Rd, Valencia, CA, 91355-5386 - Basel Kashlan MD, FCAP

Lab: PSA, TOTAL WITH REFLEX TO PSA, FREE **Date:** 2013-11-08

| Name | Value | Reference Range |
|-----------|-------|------------------|
| TOTAL PSA | 2.0 | < OR = 4.0 ng/mL |

This test was performed using the Beckman Coulter immunoassay method. Values obtained with other assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

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AN UPDATE OR CORRECTION HAS BEEN MADE TO NAME
PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: LIPID PANEL **Date:** 2013-11-08

| Name | Value | Reference Range |
|--------------------|-------|-------------------|
| CHOLESTEROL, TOTAL | 202 H | 125-200 mg/dL |
| HDL CHOLESTEROL | 38 L | > OR = 40 mg/dL |
| TRIGLYCERIDES | 79 | <150 mg/dL |
| LDL-CHOLESTEROL | 148 H | <130 mg/dL (calc) |

Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.

| | | |
|---------------------|-------|-------------------|
| CHOL/HDLRATIO | 5.3 H | < OR = 5.0 (calc) |
| NON HDL CHOLESTEROL | 164 H | mg/dL (calc) |

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Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: TESTOSTERONE, FREE AND TOTAL, LC/MS/MS **Date:** 2013-11-08

| Name | Value | Reference Range |
|-------------------------------|-------|------------------|
| TESTOSTERONE, TOTAL, LC/MS/MS | 368 | 250-1100 ng/dL |
| FREE TESTOSTERONE | 65.8 | 35.0-155.0 pg/mL |

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PERFORMING LAB: SLI, Quest Diagnostics-Nichols Valencia, 27027 Tourney Rd, Valencia, CA, 91355-5386 - Basel Kashlan MD,FCAP

Lab: AST **Date:** 2013-11-08

| Name | Value | Reference Range |
|------|-------|-----------------|
| AST | 94 H | 10-40 U/L |

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: ALT **Date:** 2013-11-08

| Name | Value | Reference Range |
|------|-------|-----------------|
| ALT | 70 H | 9-46 U/L |

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: IGF I, LC/MS **Date:** 2013-11-08

| Name | Value | Reference Range |
|----------------|-------|-----------------|
| IGF I, LC/MS | 180 | 53-331 ng/mL |
| Z SCORE (MALE) | 0.5 | -2.0 - +2.0 SD |

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San Juan Capistrano. Performance characteristics refer to the analytical performance of the test.

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PERFORMING LAB: EZ, Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano, CA, 92675-2042 - Jon Nakamoto MD,PhD

Lab: ESTRADIOL

Date: 2013-11-08

| Name | Value | Reference Range |
|-----------|-------|-----------------|
| ESTRADIOL | 24 | < OR = 39 pg/mL |

Reference range established on post-pubertal patient population. No pre-pubertal reference range established using this assay. For any patients for whom low Estradiol levels are anticipated (e.g. males, pre-pubertal children and hypogonadal/post-menopausal females), the Quest Diagnostics Nichols Institute Estradiol, Ultrasensitive, LCMSMS assay is recommended (order code 30289).

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: PROGESTERONE

Date: 2013-11-08

| Name | Value | Reference Range |
|--------------|-------|-----------------|
| PROGESTERONE | 0.8 | <1.4 ng/mL |

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: GROWTH HORMONE (GH)

Date: 2013-11-08

| Name | Value | Reference Range |
|---------------------|-------|-------------------|
| GROWTH HORMONE (GH) | 0.1 | < OR = 10.0 ng/mL |

Because of a pulsatile secretion pattern, random (unstimulated) growth hormone (GH) levels are frequently undetectable in normal children and adults and are not reliable for diagnosing GH deficiency. Regarding suppression tests, failure to suppress GH is diagnostic of acromegaly.

Typical GH response in healthy subjects:

Using the glucose tolerance (GH suppression) test, acromegaly is ruled out if the patient's GH level is <0.4 ng/mL at any point in the timed sequence.

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Using GH stimulation testing, the following result at any point in the timed sequence makes GH deficiency unlikely:

Adults (> or = 20 years):
Insulin Hypoglycemia > or = 5.1 ng/mL
Arginine/GHRH > or = 4.1 ng/mL
Children (< 20 years):
All Stimulation Tests > or = 10.0 ng/mL

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PERFORMING LAB: EN, Quest Diagnostics-West Hills, 8401 Fallbrook Ave, West Hills, CA, 91304-3226 - Gordon L Love M.D.

Lab: PROLACTIN

Date: 2013-11-08

| Name | Value | Reference Range |
|-----------|-------|-----------------|
| PROLACTIN | 3.5 | 2.0-18.0 ng/mL |

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