MyQuest™

ODEN,JAMIE

DOB: 01/12/1979
Sex: F
Phone: (505) 306-1415
Patient ID: KBJ1982

Age: 45
Fasting: Y

Specimen: OZ185447D
Requisition: 0104500
Lab Reference ID: 00003938
Report Status: FINAL / SEE REPORT

Collected: 01/19/2024 07:57
Received: 01/19/2024 07:58
Reported: 01/24/2024 14:58

Client #: 31005802
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JONES ND, KAREN (W)
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SALEM, OR 97302-4171
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FASTING:YES

⚠ LIPID PANEL, STANDARD

Analyte	Value	
⚠ CHOLESTEROL, TOTAL	315 H	Reference Range: <200 mg/dL
HDL CHOLESTEROL	50	Reference Range: > OR = 50 mg/dL
TRIGLYCERIDES	119	Reference Range: <150 mg/dL
⚠ LDL-CHOLESTEROL	239 H	mg/dL (calc)

LDL-C levels > or = 190 mg/dL may indicate familial hypercholesterolemia (FH). Clinical assessment and measurement of blood lipid levels should be considered for all first degree relatives of patients with an FH diagnosis. LDL Cholesterol (LDL-C) levels > or = 300 mg/dL may indicate homozygous familial hypercholesterolemia (HoFH). Untreated, these extremely high LDL-C levels can result in premature CV events and mortality. Patients should be identified early and provided appropriate interventions to reduce the cumulative LDL-C burden from birth.

For questions about testing for familial hypercholesterolemia, please call Quest Genomics Client Services at 1.866.GENE.INFO.

Jacobson T, et al. J National Lipid Association Recommendations for Patient-Centered Management of Dyslipidemia: Part 1 Journal of Clinical Lipidology 2015;9(2), 129-169.
Cuchel, M. et al. (2014). Homozygous familial hypercholesterolaemia: new insights and guidance for clinicians to improve detection and clinical management. European Heart Journal, 35(32), 2146-2157.
Reference range: <100

Desirable range <100 mg/dL for primary prevention; <70 mg/dL for patients with CHD or diabetic patients with > or = 2 CHD risk factors.

LDL-C is now calculated using the Martin-Hopkins calculation, which is a validated novel method providing better accuracy than the Friedewald equation in the estimation of LDL-C.
Martin SS et al. JAMA. 2013;310(19): 2061-2068 (http://education.QuestDiagnostics.com/faq/FAQ164)

⚠ CHOL/HDLC RATIO	6.3 H	Reference Range: <5.0 (calc)
⚠ NON HDL CHOLESTEROL	265 H	Reference Range: <130 mg/dL (calc)

Non-HDL level > or = 220 is very high and may indicate genetic familial hypercholesterolemia (FH). Clinical assessment and measurement of blood lipid levels should be considered for all first-degree relatives of patients with an FH diagnosis.

For patients with diabetes plus 1 major ASCVD risk factor, treating to a non-HDL-C goal of <100 mg/dL (LDL-C of <70 mg/dL) is considered a therapeutic option.

⚠ VITAMIN D,25-OH,TOTAL,IA

Analyte	Value	
⚠ VITAMIN D,25-OH,TOTAL,IA	28 L	Reference Range: 30-100 ng/mL

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Vitamin D Status         25-OH Vitamin D:

Deficiency:                    <20 ng/mL
Insufficiency:               20 - 29 ng/mL
Optimal:                   > or = 30 ng/mL

For 25-OH Vitamin D testing on patients on
D2-supplementation and patients for whom quantitation
of D2 and D3 fractions is required, the QuestAssureD(TM)
25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order
code 92888 (patients >2yrs).
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COMMENT

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See Note 1

Note 1

For additional information, please refer to http://education.QuestDiagnostics.com/faq/FAQ199 (This
link is being provided for informational/ educational purposes only.)
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COMPREHENSIVE METABOLIC PANEL

Analyte	Value	
GLUCOSE Fasting reference interval	93	Reference Range: 65-99 mg/dL
UREA NITROGEN (BUN)	13	Reference Range: 7-25 mg/dL
CREATININE	0.71	Reference Range: 0.50-0.99 mg/dL
EGFR	107	Reference Range: > OR = 60 mL/min/1.73m2
BUN/CREATININE RATIO Not Reported: BUN and Creatinine are within reference range.	SEE NOTE:	Reference Range: 6-22 (calc)
SODIUM	139	Reference Range: 135-146 mmol/L
POTASSIUM	4.4	Reference Range: 3.5-5.3 mmol/L
CHLORIDE	108	Reference Range: 98-110 mmol/L
CARBON DIOXIDE	24	Reference Range: 20-32 mmol/L
CALCIUM	9.1	Reference Range: 8.6-10.2 mg/dL
PROTEIN, TOTAL	7.1	Reference Range: 6.1-8.1 g/dL
ALBUMIN	4.5	Reference Range: 3.6-5.1 g/dL
GLOBULIN	2.6	Reference Range: 1.9-3.7 g/dL (calc)
ALBUMIN/GLOBULIN RATIO	1.7	Reference Range: 1.0-2.5 (calc)
BILIRUBIN, TOTAL	0.8	Reference Range: 0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	53	Reference Range: 31-125 U/L
AST	13	Reference Range: 10-35 U/L
ALT	13	Reference Range: 6-29 U/L

ANTI-MULLERIAN HORMONE (AMH), FEMALE

Analyte	Value

ANTI-MULLERIAN HORMONE (AMH), FEMALE	**0.93**	Reference Range: 0.01-2.99 ng/mL

CBC (INCLUDES DIFF/PLT)

Analyte	Value	
WHITE BLOOD CELL COUNT	**5.6**	Reference Range: 3.8-10.8 Thousand/uL
RED BLOOD CELL COUNT	**4.98**	Reference Range: 3.80-5.10 Million/uL
HEMOGLOBIN	**14.7**	Reference Range: 11.7-15.5 g/dL
HEMATOCRIT	**44.5**	Reference Range: 35.0-45.0 %
MCV	**89.4**	Reference Range: 80.0-100.0 fL
MCH	**29.5**	Reference Range: 27.0-33.0 pg
MCHC	**33.0**	Reference Range: 32.0-36.0 g/dL
RDW	**12.8**	Reference Range: 11.0-15.0 %
PLATELET COUNT	**325**	Reference Range: 140-400 Thousand/uL
MPV	**10.3**	Reference Range: 7.5-12.5 fL
ABSOLUTE NEUTROPHILS	**3175**	Reference Range: 1500-7800 cells/uL
ABSOLUTE LYMPHOCYTES	**1674**	Reference Range: 850-3900 cells/uL
ABSOLUTE MONOCYTES	**521**	Reference Range: 200-950 cells/uL
ABSOLUTE EOSINOPHILS	**190**	Reference Range: 15-500 cells/uL
ABSOLUTE BASOPHILS	**39**	Reference Range: 0-200 cells/uL
NEUTROPHILS	**56.7**	%
LYMPHOCYTES	**29.9**	%
MONOCYTES	**9.3**	%
EOSINOPHILS	**3.4**	%
BASOPHILS	**0.7**	%

FERRITIN

Analyte	Value	
FERRITIN	**38**	Reference Range: 16-232 ng/mL

INSULIN

Analyte	Value	
INSULIN	**17.8**	uIU/mL

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Reference Range  < or = 18.4

Risk:
Optimal          < or = 18.4
Moderate         NA
High             >18.4

Adult cardiovascular event risk category
cut points (optimal, moderate, high)
are based on Insulin Reference Interval
studies performed at Quest Diagnostics
in 2022.
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PROGESTERONE

Analyte	Value	
PROGESTERONE	**10.9**	ng/mL

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   Reference Ranges
Female
   Follicular Phase      < 1.0
   Luteal Phase       2.6-21.5
   Post menopausal       < 0.5
   Pregnancy
   1st Trimester      4.1-34.0
   2nd Trimester     24.0-76.0
   3rd Trimester    52.0-302.0
```

T4, FREE

Analyte	Value	
T4, FREE	**1.0**	Reference Range: 0.8-1.8 ng/dL

TSH

Analyte	Value	
TSH	**2.99**	mIU/L

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Reference Range

> or = 20 Years  0.40-4.50

     Pregnancy Ranges
First trimester    0.26-2.66
Second trimester   0.55-2.73
Third trimester    0.43-2.91
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ESTRADIOL

Analyte	Value	
ESTRADIOL	**62**	pg/mL

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      Reference Range
        Follicular Phase:    19-144
        Mid-Cycle:           64-357
        Luteal Phase:        56-214
        Postmenopausal:      < or = 31

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).

Please note: patients being treated with the drug
fulvestrant (Faslodex(R)) have demonstrated significant
interference in immunoassay methods for estradiol
measurement. The cross reactivity could lead to falsely
elevated estradiol test results leading to an
inappropriate clinical assessment of estrogen status.
Quest Diagnostics order code 30289-Estradiol,
Ultrasensitive LC/MS/MS demonstrates negligible cross
reactivity with fulvestrant.
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T3, FREE

Analyte	Value	
T3, FREE	**2.9**	Reference Range: 2.3-4.2 pg/mL

Performing Sites

EZ Quest Diagnostics/Nichols SJC-San Juan Capistrano,, 33608 Ortega Hwy, San Juan Capistrano, CA 92675-2042 Laboratory Director: Irina Maramica MD,PhD,MBA

NW Quest Diagnostics-Seattle 1737 Airport, 1737 Airport Way S, Suite 200, Seattle, WA 98134-1636 Laboratory Director: Roger Graham

Key

Priority Out of Range Out of Range

These results have been sent to the person who ordered the tests. Your receipt of these results should not be viewed as medical advice and is not meant to replace discussion with your doctor or other healthcare professional.