

Low sodium JULY 2016

PATIENT INFORMATION
TULLY-COSTA, EVELYN

REPORT STATUS **FINAL**

QUEST DIAGNOSTICS INCORPORATED
CLIENT SERVICE 866.697.8378

DOB: 10/18/1960 AGE: 55
GENDER: F

ORDERING PHYSICIAN
FTEHA, ALBER

SPECIMEN INFORMATION
SPECIMEN: **BJ226431**
REQUISITION:

PHONE: 917.549.1094

CLIENT INFORMATION
T14652
ALBER FTEHA, MD
ELIE FTEHA, MD
10 PLAZA STREET
BROOKLYN, NY 11238

12240600

COLLECTED: 07/05/2016 09:42
RECEIVED: 07/06/2016 01:46
REPORTED: 07/07/2016 12:45

Test Name	In Range	Out of Range	Reference Range	Lab
COMP METAB PANEL				TBR
GLUCOSE	105		65-139 mg/dL	

The glucose reference range is based on a non-fasting state.

SODIUM	138		135-146 mmol/L
POTASSIUM	4.0		3.5-5.3 mmol/L
CHLORIDE	103		98-110 mmol/L

~~CARBON DIOXIDE~~ ~~18~~ ~~L~~ ~~19-30 mmol/L~~

UREA NITROGEN	18		7-25 mg/dL
CREATININE	0.80		0.50-1.05 mg/dL

The upper reference limit for Creatinine is approximately 13% higher for people identified as African-American.

BUN/CREATININE RATIO NOTE 6-22

Bun/Creatinine ratio is not reported when the Bun and Creatinine values are within normal limits.

CALCIUM	9.5		8.6-10.4 mg/dL
PROTEIN, TOTAL	7.3		6.1-8.1 g/dL
ALBUMIN	4.7		3.6-5.1 g/dL
GLOBULIN, CALCULATED	2.6		1.9-3.7 g/dL
ALBUMIN/GLOBULIN RATIO	1.8		1.0-2.5 calc
BILIRUBIN, TOTAL	0.5		0.2-1.2 mg/dL
ALKALINE PHOSPHATASE	89		33-130 U/L
AST	24		10-35 U/L
ALT	20		6-29 U/L
EGFR NON AFR AMERICAN	83		>=60 mL/min/1.73m2
EGFR AFRICAN AMERICAN	96		>=60 mL/min/1.73m2

LIPID PANEL

CHOLESTEROL, TOTAL		258	H	125-200 mg/dL	TBR
HDL CHOLESTEROL	60			>=46 mg/dL	
CHOLESTEROL/HDL RATIO	4.3			< = 5.0	
LDL CHOL, CALCULATED		160	H	<130 mg/dL	
See footnote 1					
TRIGLYCERIDES	90			<150 mg/dL	
NON HDL CHOLESTEROL		128	H	mg/dL	
See footnote 2					

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Test Name	In Range	Out of Range	Reference Range	Lab
TSH	1.77		0.40-4.50 mIU/L	TBR
T4, FREE	1.3		0.8-1.8 ng/dL	TBR
CBC (INCLUDES DIFF/PLT)				
WBC	5.6		3.8-10.8 Thous/mcL	TBR
RBC	4.81		3.80-5.10 Mill/mcL	
HEMOGLOBIN	14.2		11.7-15.5 g/dL	
HEMATOCRIT	44.6		35.0-45.0 %	
MCV	92.7		80.0-100.0 fL	
MCH	29.5		27.0-33.0 pg	
MCHC	31.9	L	32.0-36.0 g/dL	
RDW	14.7		11.0-15.0 %	
PLATELET COUNT	250		140-400 Thous/mcL	
MPV	8.6		7.5-11.5 fL	
TOTAL NEUTROPHILS, %	57.0		38-80 %	
TOTAL LYMPHOCYTES, %	33.9		15-49 %	
MONOCYTES, %	6.2		0-13 %	
EOSINOPHILS, %	2.2		0-8 %	
BASOPHILS, %	0.7		0-2 %	
NEUTROPHILS, ABSOLUTE	3192		1500-7800 Cells/mcL	
LYMPHOCYTES, ABSOLUTE	1898		850-3900 Cells/mcL	
MONOCYTES, ABSOLUTE	347		200-950 Cells/mcL	
EOSINOPHILS, ABSOLUTE	123		15-500 Cells/mcL	
BASOPHILS, ABSOLUTE	39		0-200 Cells/mcL	
DIFFERENTIAL				
An instrument differential was performed.				
VITAMIN B12	464		200-1100 pg/mL	TBR
FOLATE, SERUM	18.5		> 5.4 ng/mL	TBR

 Normal: >5.4
 Borderline: 3.4-5.4
 Low: <3.4

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Test Name	In Range	Out of Range	Reference Range	Lab
HEMOGLOBIN A1C		6.1	<5.7% of total Hgb	TBR

According to ADA guidelines, hemoglobin A1c <7.0% represents optimal control in non-pregnant diabetic patients. Different metrics may apply to specific patient populations. Standards of Medical Care in Diabetes-2013. Diabetes Care. 2013;36:s11-s66.

For the purpose of screening for the presence of diabetes
 <5.7% Consistent with the absence of diabetes
 5.7-6.4% Consistent with increased risk for diabetes (prediabetes)
 >or=6.5% Consistent with diabetes

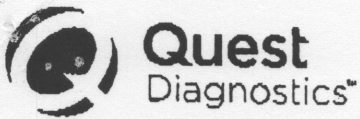
This assay result is consistent with a higher risk of diabetes.

Currently, no consensus exists regarding use of hemoglobin A1c for diagnosis of diabetes in children.

VITAMIN D, 25-OH, TOTAL, IA	39		30-100 ng/mL	TBR
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 92888X (patients >2yrs).

For more information on this test, go to:
<http://education.questdiagnostics.com/faq/FAQ163>



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1224060C

Test Name	In Range	Out of Range	Reference Range	Lab
FSH AND LH FSH	86.0		mIU/mL Reference Range Female Follicular Phase: 2.5-10.2 Midcycle Peak: 3.1-17.7 Luteal Phase: 1.5- 9.1 Postmenopausal: 23.0-116.3	TBR
LH	34.2		mIU/mL Reference Range Female Follicular Phase: 1.9-12.5 Midcycle Peak: 8.7-76.3 Luteal Phase: 0.5-16.9 Postmenopausal: 10.0-54.7	TBR

FOOTNOTE (S):

- Desirable range <100 mg/dL for patients with CHD or diabetes and <70 mg/dL for diabetic patients with known heart disease.
- Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.

PERFORMING LABORATORY INFORMATION:

TBR Quest Diagnostics One Malcolm Avenue Teaneck NJ 07608 Laboratory Director: Lawrence Tsao, M.D.
CLIA NO: 31D0696246

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