

AUGUST 2016



PATIENT INFORMATION
TULLY-COSTA, EVELYN

REPORT STATUS **FINAL**

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

ORDERING PHYSICIAN
FTEHA, ALBER

QUEST DIAGNOSTICS INCORPORATED
CLIENT SERVICE 666.697.8375

SPECIMEN INFORMATION
SPECIMEN: BJ787447
REQUISITION:

PHONE: 917.579.1094

CLIENT INFORMATION
T14652 12240600
ALBERT FTEHA, MD
ELIE FTEHA, MD
10 PLAZA STREET
BROOKLYN, NY 11238

COLLECTED: 08/30/2016 11:00
RECEIVED: 08/31/2016 06:41
REPORTED: 09/06/2016 12:45

Test Name	In Range	Out of Range	Reference Range	Lab
COMP METAB PANEL				TBR
GLUCOSE	110		65-139 mg/dL	
The glucose reference range is based on a non-fasting state.				
SODIUM	141		135-146 mmol/L	
POTASSIUM	4.1		3.5-5.3 mmol/L	
CHLORIDE	103		98-110 mmol/L	
CARBON DIOXIDE		19 L	20-31 mmol/L	
UREA NITROGEN	14		7-25 mg/dL	
CREATININE	0.88		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 (calc)	
Bun/Creatinine ratio is not reported when the Bun and Creatinine values are within normal limits.				
CALCIUM	9.8		8.6-10.4 mg/dL	
PROTEIN, TOTAL	7.4		6.1-8.1 g/dL	
ALBUMIN	4.7		3.6-5.1 g/dL	
GLOBULIN	2.7		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.7		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.4		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	88		33-130 U/L	
AST	34		10-35 U/L	
ALT		41 H	6-29 U/L	
EGFR NON AFR AMERICAN	74		>=60 mL/min/1.73m2	
EGFR AFRICAN AMERICAN	86		>=60 mL/min/1.73m2	
TSH	1.84		0.40-4.50 mIU/L	TBR
T4, FREE	1.2		0.8-1.8 ng/dL	TBR
T3, TOTAL	112		76-181 ng/dL	TBR

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Test Name	In Range	Out of Range	Reference Range	Lab
CBC (INCLUDES DIFF/PLT)				TBR
WBC	5.8		3.8-10.8 Thous/mcL	
RBC	4.74		3.80-5.10 Mill/mcL	
HEMOGLOBIN	14.4		11.7-15.5 g/dL	
HEMATOCRIT	43.7		35.0-45.0 %	
MCV	92.3		80.0-100.0 fL	
MCH	30.5		27.0-33.0 pg	
MCHC	33.0		32.0-36.0 g/dL	
RDW	14.2		11.0-15.0 %	
PLATELET COUNT	241		140-400 Thous/mcL	
MPV	9.3		7.5-11.5 fL	
TOTAL NEUTROPHILS, %	54.1		38-80 %	
TOTAL LYMPHOCYTES, %	34.6		15-49 %	
MONOCYTES, %	7.3		0-13 %	
EOSINOPHILS, %	3.3		0-8 %	
BASOPHILS, %	0.7		0-2 %	
NEUTROPHILS, ABSOLUTE	3138		1500-7800 Cells/mcL	
LYMPHOCYTES, ABSOLUTE	2007		850-3900 Cells/mcL	
MONOCYTES, ABSOLUTE	423		200-950 Cells/mcL	
EOSINOPHILS, ABSOLUTE	191		15-500 Cells/mcL	
BASOPHILS, ABSOLUTE	41		0-200 Cells/mcL	
DIFFERENTIAL				

An instrument differential was performed.

ESR, WESTEREGREN	8		0-30 mm/hr	TBR
PROLACTIN	7.6		ng/mL	TBR
	Reference Range			
	Female			
	Postmenopausal:	2.0- 20.0		
	Pregnant:	10.0-209.0		
	Non-pregnant:	3.0- 30.0		

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Test Name	In Range	Out of Range	Reference Range	Lab
ESTRADIOL	<15		pg/mL	TBR

Reference Range

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

See footnote 1

VITAMIN B12	722		200-1100 pg/mL	TBR
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FOLATE, SERUM	>24.0		> 5.4 ng/mL	TBR
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 Normal: >5.4
 Borderline: 3.4-5.4
 Low: <3.4

THYROID PEROXIDASE AB	<1		<9 IU/mL	TBR
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THYROGLOBULIN ANTIBODIES	<1		< OR = 1 IU/mL	TBR
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C-REACTIVE PROTEIN	0.1		<0.8 mg/dL	TBR
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Please be advised that patients taking Carboxypenicillins may exhibit falsely decreased C-Reactive Protein levels due to an analytical interference in this assay.

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HEMOGLOBIN A1C		6.2	H <5.7 % of total Hgb	TBR
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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.

HOMOCYSTEINE		9.8	<10.4 umol/L	TBR
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Homocysteine is increased by functional deficiency of folate or vitamin B12. Testing for methylmalonic acid differentiates between these deficiencies. Other causes of increased homocysteine include renal failure, folate antagonists such as methotrexate and phenytoin, and exposure to nitrous oxide.

CORTISONE, SERUM				TBR
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Test not performed. No suitable specimen received.
 See footnote 2

MTHFR, DNA MUTATION, NY				TBR
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Test Not Performed
 Test not performed. No suitable specimen received.
 See footnote 3

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FSH AND LH				
FSH	88.4		mIU/mL	TBR
			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	
LH	37.1		mIU/mL	TBR
			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	

FOOTNOTE(S):

1

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, LC/MS/MS assay is recommended (Order code 30289X).

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 30289X-Estradiol, Ultrasensitive LC/MS/MS demonstrates negligible cross reactivity with fulvestrant.

2

Test performed by:
 Quest Diagnostics Nichols Institute
 33608 Ortega Highway
 San Juan Capistrano, California 92690

3

This test was performed at:

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FOOTNOTE(S):

Quest Diagnostics Nichols Institute Chantilly
14225 Newbrook Drive
Chantilly, VA 20151

PERFORMING LABORATORY INFORMATION:

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