

Patient Information	Specimen Information	Client Information
EPSTEIN, JEFFREY DOB: 01/20/1953 AGE: 60 Gender: M Phone: 561.366.0084 Patient ID: 090443348 Health ID: 8573003290851249	Specimen: MR952957S Requisition: 0012348 Collected: 12/30/2013 Received: 12/31/2013 / 00:27 EST Reported: 01/02/2014 / 13:31 EST	Client #: 17436 56W5265 UCA/MOSKOWITZ BRUCE MD Attn: **P GR/UNIV.CLINICAL 1411 N FLAGLER DR STE 7100 WEST PALM BEACH, FL 33401

Test Name	In Range	Out Of Range	Reference Range	Lab
HEPATITIS PANEL, ACUTE W/REFLEX TO CONFIRMATION				
HEPATITIS A IGM	NON-REACTIVE		NON-REACTIVE	MI
HEPATITIS B SURFACE ANTIGEN W/REFL CONFIRM				MI
HEPATITIS B SURFACE ANTIGEN	NON-REACTIVE		NON-REACTIVE	
HEPATITIS B CORE ANTIBODY (IGM)	NON-REACTIVE		NON-REACTIVE	MI
HEPATITIS C ANTIBODY SIGNAL TO CUT-OFF	NON-REACTIVE		NON-REACTIVE	MI
	0.02		<1.00	
LIPID PANEL				
CHOLESTEROL, TOTAL		217 H	125-200 mg/dL	MI
HDL CHOLESTEROL		28 L	> OR = 40 mg/dL	MI
TRIGLYCERIDES		474 H	<150 mg/dL	MI
LDL-CHOLESTEROL			<130 mg/dL (calc)	MI

LDL cholesterol not calculated. Triglyceride levels greater than 400 mg/dL invalidate calculated LDL results.

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

CHOL/HDLRATIO		7.8 H	< OR = 5.0 (calc)	MI
NON HDL CHOLESTEROL		189 H	mg/dL (calc)	MI
Target for non-HDL cholesterol is 30 mg/dL higher than LDL cholesterol target.				
CARDIO CRP (R)	0.7		mg/L	MI

Lower relative cardiovascular risk according to AHA/CDC guidelines.

For ages >17 Years:
 cCRP mg/L Risk According to AHA/CDC Guidelines
 <1.0 Lower relative cardiovascular risk.
 1.0-3.0 Average relative cardiovascular risk.
 3.1-10.0 Higher relative cardiovascular risk.
 Consider retesting in 1 to 2 weeks to exclude a benign transient elevation in the baseline CRP value secondary to infection or inflammation.
 >10.0 Persistent elevation, upon retesting, may be associated with infection and inflammation.

HOMOCYSTEINE, CARDIOVASCULAR		16.6 H	<11.4 umol/L	MI
COMPREHENSIVE METABOLIC PANEL				MI
GLUCOSE		114 H	65-99 mg/dL	

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Test Name	In Range	Out Of Range	Reference Range	Lab
Fasting reference interval				
UREA NITROGEN (BUN)	19		7-25 mg/dL	
CREATININE	0.94		0.70-1.25 mg/dL	
For patients >49 years of age, the reference limit for Creatinine is approximately 13% higher for people identified as African-American.				
eGFR NON-AFR. AMERICAN	88		> OR = 60 mL/min/1.73m2	
eGFR AFRICAN AMERICAN	102		> OR = 60 mL/min/1.73m2	
BUN/CREATININE RATIO	NOT APPLICABLE		6-22 (calc)	
SODIUM	140		135-146 mmol/L	
POTASSIUM	4.6		3.5-5.3 mmol/L	
Results slightly increased due to hemolysis.				
CHLORIDE	106		98-110 mmol/L	
CARBON DIOXIDE	23		19-30 mmol/L	
CALCIUM	9.8		8.6-10.3 mg/dL	
PROTEIN, TOTAL	6.9		6.1-8.1 g/dL	
ALBUMIN	4.2		3.6-5.1 g/dL	
GLOBULIN	2.7		1.9-3.7 g/dL (calc)	
ALBUMIN/GLOBULIN RATIO	1.6		1.0-2.5 (calc)	
BILIRUBIN, TOTAL	0.9		0.2-1.2 mg/dL	
ALKALINE PHOSPHATASE	58		40-115 U/L	
AST	19		10-35 U/L	
ALT	23		9-46 U/L	
URIC ACID	7.1		4.0-8.0 mg/dL	MI
Therapeutic target for gout patients: <6.0 mg/dL				
PROTEIN, TOTAL AND PROTEIN ELECTROPHORESIS				
PROTEIN, TOTAL, SERUM				MI
PROTEIN, TOTAL	6.9		6.1-8.1 g/dL	
PROTEIN ELECTROPHORESIS				MI
ALBUMIN	3.9		3.5-4.7 g/dL	
ALPHA-1-GLOBULINS	0.2		0.1-0.3 g/dL	
ALPHA-2-GLOBULINS	0.9		0.5-1.0 g/dL	
BETA GLOBULINS	0.9		0.8-1.4 g/dL	
GAMMA GLOBULINS	1.0		0.6-1.6 g/dL	
INTERPRETATION				
Protein electrophoresis pattern appears normal.				
LD	182		120-250 U/L	MI
TSH	1.12		0.40-4.50 mIU/L	MI
T4 (THYROXINE), TOTAL	7.6		4.5-12.0 mcg/dL	MI
FREE T4 INDEX (T7)	2.4		1.4-3.8	
T3 UPTAKE	31		22-35 %	MI
SED RATE BY MODIFIED WESTERGREN	2		< OR = 20 mm/h	MI
URINALYSIS, COMPLETE				
See Endnote 1				
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	3.9		3.8-10.8 Thousand/uL	MI
RED BLOOD CELL COUNT	5.02		4.20-5.80 Million/uL	
HEMOGLOBIN	14.8		13.2-17.1 g/dL	

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Test Name	In Range	Out Of Range	Reference Range	Lab
HEMATOCRIT	43.7		38.5-50.0 %	
MCV	86.9		80.0-100.0 fL	
MCH	29.5		27.0-33.0 pg	
MCHC	33.9		32.0-36.0 g/dL	
RDW	13.5		11.0-15.0 %	
PLATELET COUNT	241		140-400 Thousand/uL	
DIFFERENTIAL, MANUAL				MI
ABSOLUTE NEUTROPHILS		936 L	1500-7800 cells/uL	
ABSOLUTE LYMPHOCYTES	2340		850-3900 cells/uL	
ABSOLUTE MONOCYTES		195 L	200-950 cells/uL	
ABSOLUTE EOSINOPHILS	390		15-500 cells/uL	
ABSOLUTE BASOPHILS	39		0-200 cells/uL	
NEUTROPHILS	24		%	
LYMPHOCYTES	60		%	
MONOCYTES	5		%	
EOSINOPHILS	10		%	
BASOPHILS	1		%	
CBC MORPHOLOGY			NORMAL	
	Review of peripheral smear confirms automated results.			

Although an "automated CBC" was ordered, our instrumentation detected an abnormality on your patient's specimen requiring us to perform a manual review.

VITAMIN B12	369		200-1100 pg/mL	MI
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Please Note: Although the reference range for vitamin B12 is 200-1100 pg/mL, it has been reported that between 5 and 10% of patients with values between 200 and 400 pg/mL may experience neuropsychiatric and hematologic abnormalities due to occult B12 deficiency; less than 1% of patients with values above 400 pg/mL will have symptoms.

C-REACTIVE PROTEIN	<0.10		<0.80 mg/dL	MI
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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.

CORTISOL, TOTAL	9.3		mcg/dL	MI
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Reference Range: For 8 a.m. (7-9 a.m.) Specimen: 4.0-22.0
 Reference Range: For 4 p.m. (3-5 p.m.) Specimen: 3.0-17.0
 * Please interpret above results accordingly *

TESTOSTERONE, TOTAL, MALES		163 L	ng/dL	MI
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Reference Range
 Adult 241-827

Aging men with clinically significant hypogonadal symptoms and testosterone values repeatedly in the range of 200-300 ng/dL or less, may benefit from testosterone treatment after adequate risk and benefits counseling.

In hypogonadal males, Testosterone, Total, LC/MS/MS, is the recommended assay. This test code (15983) must be collected in a red-top tube with no gel. The

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RHEUMATOID ARTHRITIS REPORT

ANA IFA SCREEN W/REFL TO TITER AND PATTERN, IFA

Lab: MI

Test Name	Results	Reference Range
ANA SCREEN, IFA	NEGATIVE	NEGATIVE

PENDING TESTS:

VITAMIN D, 25-HYDROXY, LC/MS/MS	LYME DISEASE ANTIBODIES (IGG,IGM), IMMUNOBLOT
IMMUNOFIXATION, SERUM	HIV AB, HIV 1/2, EIA, WITH REFLEXES

PERFORMING SITE:

MI QUEST DIAGNOSTICS-MIAMI, 10200 COMMERCE PARKWAY, MIRAMAR, FL 33025-3938 Laboratory Director: GLEN L. HORTIN MD PHD, CLIA: 10D0277334