



Icahn School of Medicine at Mount Sinai

Department of Clinical Immunology, 5 East 98th Street, 11th Floor, New York, NY 10029
Shradha Agarwal, M.D.; Paula Busse, M.D.; Beth Eve Corn, M.D.; Charlotte Cunningham-Rundles, M.D., Ph.D.; Elena Resnick, M.D.

Fax 

Dr. Dublin

[Redacted]

From: Cynthia Medina, RMA

Pages: 13 including cover

Phone:

Date: 12/30/13

RE:

Jeffrey Epstein

cc:

Urgent

For Review

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Jeffrey Epstein
12/19/2013 4:03 PM Telephone
MRN: 7206913

Description: **60 year old male**
Provider: **Paula J Busse, MD**
Department: **Clinical Immunology**

Patient Information

Patient Information

Patient Name	Sex	DOB	SSN
Epstein, Jeffrey	Male	1/20/1953	

Patient Demographics

Address	Phone
[REDACTED]	[REDACTED] (Home) [REDACTED] (Mobile)

Telephone Contact Summary

Call Information

Date & Time	Provider	Department	Center
12/19/2013 4:03 PM	Paula J Busse, MD	Fpa Clinical Immunology	None

Reason for Call

Test results

Call Documentation

Paula J Busse, MD 12/19/2013 4:09 PM Signed
Spoke with Dr. Shimony (917-922-7391).

1) I explained that the patient had mildly elevated IgE to peanut (0.44) and sesame seed (0.36), but he tolerates these foods so I would not recommend avoidance. If there is a concern, he can RTC for skin prick testing to these foods.

2) We also discussed that his TSH, CBC, CMP, C4 WNL (therefore not likely HAE-also since responded to corticosteroid treatment).

3) Patient was given EpiPen Rx and Rx for prednisone to take for emergency use

4) That I recommended to the patient to resume his lipid medications

Other notes for chart:

- 1) IgE detectable to some environmental allergens—cat, dog, tree, grass, ragweed—not likely to be etiology of swelling
- 2) SPEP WNL

I LEFT A MESSAGE ON THE PATIENT'S CELL PHONE WHICH WAS PROVIDED IN EPIC THAT LAB RESULTS WERE BACK, BUT NO CONCERNING VALUES---DID NOT LEAVE SPECIFIC INFORMATION.

Tryptase, ANA pending

Allergies as of 12/19/2013

Reviewed On: 12/18/2013 By: **Paula J Busse, MD**

Results: ASTHMA PROFILE

Status: **Final result**
12/19/2013 11:54 AM

Abnormal

Component	Value	Range & Units	Status
CL. HERBARUM IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
ASP. FUMIGATUS IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
MUCOR RACEMOSUS IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
C. ABLICANS IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
ALT. TENUIS IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
DER. PTERONYSSINUS IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	
DER. FERINAE IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	

>17.5 kIU/L Antibody level very high
CAT DANDER IGE 0.70 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

DOG DANDER IGE 1.06 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

BLATELLA GERMANICA IGE <0.35 <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

OAK (WHITE) IGE 0.95 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

TIMOTHY IGE 0.78 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

COM. RAGWEED IGE 3.93 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

IG E QUANT 458 (H) 0 - 100 UNITS/ML Final

[Lab Inquiry](#) [View Complete Results](#)

Results: CBC+PLT+DIFF

Status: **Final result**
 12/18/2013 6:01 PM

Component	Value	Range & Units	Status
WHITE BLOOD CELL	8.7	4.5 - 11.0 x10 ³ /uL	Final
RED BLOOD CELL	4.91	4.50 - 6.00 x10 ⁶ /uL	Final
HEMOGLOBIN	14.5	13.9 - 16.3 G/DL	Final

HEMATOCRIT	42.4	42.0 - 52.0 %	Final
MEAN CORP. VOLUME	86.3	80.0 - 98.0 FL	Final
MEAN CORP. HGB	29.5	27.0 - 32.0 PG	Final
MEAN CORP. HGB CONC.	34.2	32.0 - 35.0 G/DL	Final
RED DISTRIB. WIDTH	13.5	11.5 - 15.0 %	Final
PLATELET	285	150 - 450 x10 ³ /uL	Final
MEAN PLT VOLUME	7.8	7.4 - 12.0 FL	Final
NEUTROPHIL %	64.2	40.0 - 78.0 %	Final
LYMPHOCYTE %	26.5	15.0 - 50.0 %	Final
MONOCYTE %	4.5	2.0 - 11.0 %	Final
EOSINOPHIL %	4.2	0.0 - 5.0 %	Final
BASOPHIL %	0.6	0.0 - 1.0 %	Final
NEUTROPHIL #	5.6	1.9 - 8.0 x10 ³ /uL	Final
LYMPHOCYTE #	2.3	1.0 - 4.5 x10 ³ /uL	Final
MONOCYTE #	0.4	0.2 - 1.0 x10 ³ /uL	Final
EOSINOPHIL #	0.4	0.0 - 0.6 x10 ³ /uL	Final
BASOPHIL #	0.1	0.0 - 0.2 x10 ³ /uL	Final

Lab Inquiry

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Results: COMPREHENSIVE METABOLIC PANEL

Status: Final result

12/18/2013 6:38 PM

Component	Value	Range & Units	Status
ALBUMIN	4.3	3.5 - 4.9 G/DL	Final
BILIRUBIN TOTAL	0.5	0.1 - 1.2 MG/DL	Final
CALCIUM	9.6	8.5 - 10.5 MG/DL	Final
CHLORIDE	103	96 - 108 MEQ/L	Final
CREATININE	1.01	0.70 - 1.40 MG/DL	Final
GLUCOSE	113	65 - 139 MG/DL	Final
NON-FASTING 65-139 mg/dL			
FASTING 65 - 99 mg/dL			
ALK.PHOSPHATASE	58	30 - 110 U/L	Final
POTASSIUM	4.0	3.5 - 5.0 MEQ/L	Final
PROTEIN TOTAL	7.0	6.0 - 8.3 G/DL	Final
SODIUM	142	135 - 145 MEQ/L	Final
AST (SGOT)	18	1 - 50 U/L	Final
UREA NITROGEN	21	10 - 30 MG/DL	Final
CO2 TOTAL	23.4	22.0 - 32.0 MEQ/L	Final
ALT(SGPT)	19	1 - 53 U/L	Final
EGFR AFRICAN AM	>60.00	ml/min/1.73m	Final

The National Kidney Disease Education Program encourages laboratories to automatically report estimated GFR when serum creatinine is ordered. This Glomerular Filtration Rate (GFR) estimate has been calculated for African Americans using IDMS traceable MDRD equation. This equation is not applicable in pediatric patients less than 18 years of age. MDRD is not recommended for determining drug dosing. Use Cockcroft-Gault equation to determine drug doses.

EGFR NON-AFR AM >60.00 ml/min/1.73m Final

This Glomerular Filtration Rate (GFR) estimate has been calculated for Non-African Americans using IDMS traceable MDRD equation. This equation is not applicable in pediatric patients less than 18 years of age.

Staging of Chronic Kidney Disease (CKD)

GFR 30-59 =CKD Stage 3 (Moderate)

GFR 15-29 =CKD Stage 4 (Severe)

GFR <15 =CKD Stage 5 (Kidney Failure)

MDRD is not recommended for determining drug dosing. Use Cockcroft-Gault equation to determine drug doses.

Results: ANA SCREEN

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Abnormal

Status: **Final result**

12/20/2013 8:43 AM

Component	Value	Range & Units	Status
ANA SCREEN (1:40)	Positive (A)	Negative	Final

Results: ANTI-DNA, DOUBLE-STRANDED, QUALITATIVE, SERUM

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Status: **Final result**

12/19/2013 3:01 PM

Component	Value	Range & Units	Status
ANTI DNA DS- QUAL.	NEGATIVE	NEGATIVE	Final

Results: TSH W/ FREE T4 REFLEX

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Status: **Final result**

12/18/2013 7:11 PM

Component	Value	Range & Units	Status
TSH W/FREE T4 RELEX	1.90	0.34 - 5.60 uIU/MI	Final

Reference Ranges:

Age:	Female:	Male:
1-25 days	1.5-6.9	0.7-9.8
1-24 months	1.6-5.7	0.7-5.9
9-10 years	0.9-4.0	1.0-3.7
11-14 years	0.7-3.4	0.8-3.9
15-17 years	0.6-3.7	0.7-2.8
18-99 years	0.34-5.60	0.34-5.60

Results: TRYPTASE

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Status: **Final result**

12/21/2013 3:34 AM

Component	Value	Range & Units	Status
TRYPTASE	4.8	0.4 - 10.9 ug/L	Final

Performed by ARUP Laboratories,
500 Chipeta Way, SLC, UT 84108 800-522-2797
www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

PLEASE NOTE: TEST NOW BEING PERFORMED AT ARUP LABS,
REFERENCE RANGES MAY HAVE CHANGED.

Results: SMITH ANTIBODY

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Status: **Final result**

12/20/2013 2:44 PM

Component	Value	Range & Units	Status
SMITH ANTIBODY	1	0 - 40 AU/mL	Final

INTERPRETIVE INFORMATION: SMITH (ENA) Ab, IgG

29 AU/mL or Less	Negative
30 - 40 AU/mL	Equivocal
41 AU/mL or Greater	Positive

Smith antibody is very specific for systemic lupus erythematosus (SLE) but only occurs in 30-35% of SLE cases. The presence of antibodies to Smith is often associated

with renal disease.

Performed by ARUP Laboratories,
 500 Chipeta Way, SLC, UT 84108 800-522-2787
 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

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Results: RNP ANTIBODY [Lab Inquiry](#) [View Complete Results](#)
 Status: Final result
 12/20/2013 2:42 PM

Component	Value	Range & Units	Status
RNP ANTIBODY	0	0 - 40 AU/mL	Final
INTERPRETIVE INFORMATION: Ribonucleic Protein (ENA) Antibody, IgG			
29 AU/mL or Less	Negative	
30 - 40 AU/mL	Equivocal	
41 AU/mL or Greater	Positive	

RNP antibody is seen in 95-100 percent of mixed connective tissue disease and is considered specific for this syndrome if other antibodies are negative; RNP is also present in 20-30 percent of systemic lupus erythematosus and 15-25 percent of progressive systemic sclerosis. RNP antigens also contain epitopes that are immunologically identical to free Smith antigens, therefore, the Smith antibody response must be considered when interpreting RNP results.

Performed by ARUP Laboratories,
 500 Chipeta Way, SLC, UT 84108 800-522-2787
 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

PLEASE NOTE: TEST NOW BEING PERFORMED AT ARUP LABS,
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Results: NORTH EAST URD PROFILE [Lab Inquiry](#) [View Complete Results](#)
 Status: Final result
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
Abnormal ELM IGE	0.93 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L	Antibody absent or at undetectable level	
0.35 to 0.70	kIU/L	Antibody level low	
0.71 to 3.5	kIU/L	Antibody level moderate	
3.51 to 17.5	kIU/L	Antibody level high	
>17.5	kIU/L	Antibody level very high	
MAPLE IGE	0.93 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L	Antibody absent or at undetectable level	
0.35 to 0.70	kIU/L	Antibody level low	
0.71 to 3.5	kIU/L	Antibody level moderate	
3.51 to 17.5	kIU/L	Antibody level high	
>17.5	kIU/L	Antibody level very high	
BERMUDA GRASS IGE	1.11 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

GOOSEFOOT IGE 0.86 (H) <0.35 kIU/L Final
 ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

[Lab Inquiry](#) [View Complete Results](#)

Results: ALMOND-F20 Status: Final result
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
ALMOND IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

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Results: BRAZIL NUT Status: Final result
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
BRAZIL NUT IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

[Lab Inquiry](#) [View Complete Results](#)

Results: CASHEW NUT Status: Final result
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
CASHEW NUT IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

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Results: CRAB Status: Final result
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
CRAB IGE	<0.35	<0.35 kIU/L	Final

ALLERGEN SPECIFIC REFERENCE RANGE

<0.35 kIU/L Antibody absent or at undetectable level
 0.35 to 0.70 kIU/L Antibody level low
 0.71 to 3.5 kIU/L Antibody level moderate
 3.51 to 17.5 kIU/L Antibody level high
 >17.5 kIU/L Antibody level very high

[Lab Inquiry](#)

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Results: EGG WHITE F-1

Status: **Final result**

12/19/2013 11:54 AM

Component	Value	Range & Units	Status
EGG WHITE IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	

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Results: WALNUT, BLACK FOOD-F54

Status: **Final result**

12/19/2013 11:54 AM

Component	Value	Range & Units	Status
WALNUT IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	

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Results: TUNA

Status: **Final result**

12/19/2013 11:54 AM

Component	Value	Range & Units	Status
TUNA IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	

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Results: SUNFLOWER SEED

Status: **Final result**

12/19/2013 11:54 AM

Component	Value	Range & Units	Status
SUNFLOWER SEED IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody	absent or at undetectable level	
0.35 to 0.70	kIU/L Antibody	level low	
0.71 to 3.5	kIU/L Antibody	level moderate	
3.51 to 17.5	kIU/L Antibody	level high	
>17.5	kIU/L Antibody	level very high	

Results: SHRIMP

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 Status: **Final result**
12/19/2013 11:54 AM

Component	Value	Range & Units	Status
SHRIMP IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

Results: SESAME SEED

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 Status: **Final result**
12/19/2013 11:54 AM

Abnormal

Component	Value	Range & Units	Status
SESAME SEED IGE	0.36 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

Results: PISTACHIO NUT

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 Status: **Final result**
12/19/2013 11:54 AM

Component	Value	Range & Units	Status
PISTACHIO NUT IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

Results: PINE (PINON) NUT

[Lab Inquiry](#) [View Complete Results](#)
 Status: **Final result**
12/21/2013 4:24 PM

Component	Value	Range & Units	Status
PINE (PINON) NUT	<0.10	<=0.34 kU/L	Final
INTERPRETIVE INFORMATION: Allergen, Food, Pine (Pinon) Nut			

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement A: aruplab.com/CS

Performed by ARUP Laboratories,
 500 Chipeta Way, SLC, UT 84108 800-522-2767
 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

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Results: PECAN NUT

Status: **Final result**
 12/19/2013 11:54 AM

Component	Value	Range & Units	Status
PECAN NUT IGE	<0.35	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

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Results: PEANUT

Status: **Final result**
 12/19/2013 11:54 AM

Abnormal

Component	Value	Range & Units	Status
PEANUT IGE	0.44 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

[Lab Inquiry](#)

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Results: ESTROGENS, TOTAL

Status: **Final result**
 12/22/2013 3:32 PM

Component	Value	Range & Units	Status
ESTRADIOL BY TMS	14.9	pg/mL	Final
REFERENCE INTERVAL: Estradiol by TMS			

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

PLEASE NOTE: TEST NOW BEING PERFORMED AT ARUP LABS, REFERENCE RANGES MAY HAVE CHANGED.

ESTRONE	30.2	pg/mL	Final
REFERENCE INTERVAL: Estrone by TMS			

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS

PLEASE NOTE: TEST NOW BEING PERFORMED AT ARUP LABS, REFERENCE RANGES MAY HAVE CHANGED.

ESTROGENS TOTAL	45.1	pg/mL	Final
CALCULATION			

Reference interval of estrogens in serum in adults.

Males: Estrone Estradiol Total Estrogens
 (pg/ml) (pg/ml) (pg/ml)
 Men 18 yrs and older 9-36 10-42 19-69
 REFERENCE INTERVAL: Estrogens Total Calculation

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Performed by ARUP Laboratories,
 500 Chipeta Way, SLC, UT 84108 800-522-2787
 www.aruplab.com, Jerry W. Hussong, MD - Lab. Director

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Results: PROTEIN EP, SERUM [Lab Inquiry](#) [View Complete Results](#)
 Status: **Final result**
 12/19/2013 11:13 AM

Component	Value	Range & Units	Status
PROTEIN TOTAL	6.9	6.0 - 8.3 G/DL	Final
PROTEIN TOTAL	6.9	6.0 - 8.3 G/DL	Final
PROTEIN ELECTRO	See Comment		Final
NO MONOCLONAL PROTEIN SEEN IN THE GAMMA REGION.			
ALBUMIN, ELP	4.19	3.50 - 5.70 G/DL	Final
ALPHA 1 GLOB	0.28	0.10 - 0.40 G/DL	Final
ALPHA 2 GLOB	0.72	0.40 - 1.10 G/DL	Final
BETA GLOB	0.81	0.50 - 1.20 G/DL	Final
GAMMA GLOB	0.90	0.60 - 1.60 G/DL	Final
A/G RATIO	1.54		Final
M-SPIKE %	0.00	%	Final
M-SPIKE G/DL	0.00	g/dl	Final

Results: IMMUNOFIX PANEL-SERUM [Lab Inquiry](#) [View Complete Results](#)
 Status: **Final result**
 12/20/2013 9:28 AM

Component	Value	Range & Units	Status
IG G QUANT	879	700 - 1600 MG/DL	Final
IG A QUANT	219	70 - 400 MG/DL	Final
IG M QUANT	48	40 - 230 MG/DL	Final
IMMUNOFIXATION SERUM	SEE BELOW		Final
No abnormalities seen.			

Results: COMPLEMENT C4 [Lab Inquiry](#) [View Complete Results](#)
 Status: **Final result**
 12/19/2013 1:09 PM

Component	Value	Range & Units	Status
COMPLEMENT C4	31	10 - 40 MG/DL	Final

Results: PROTEIN EP, SERUM [Lab Inquiry](#) [View Complete Results](#)
 Status: **Preliminary result**
 12/18/2013 6:38 PM

Component	Value	Range & Units	Status
PROTEIN TOTAL	7.0	6.0 - 8.3 G/DL	Final

Results: BIRCH [Lab Inquiry](#) [View Complete Results](#)
 Status: **In process**

12/18/2013 5:35 PM

[View Complete Results](#)

Results: BIRCH
Abnormal

Status: **Final result**
12/20/2013 12:13 PM

Component	Value	Range & Units	Status
BIRCH IGE	0.78 (H)	<0.35 kIU/L	Final
ALLERGEN SPECIFIC REFERENCE RANGE			
<0.35	kIU/L Antibody absent or at undetectable level		
0.35 to 0.70	kIU/L Antibody level low		
0.71 to 3.5	kIU/L Antibody level moderate		
3.51 to 17.5	kIU/L Antibody level high		
>17.5	kIU/L Antibody level very high		

[Lab Inquiry](#)

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Results: ALLERGEN, INTERPRETATION

Status: **In process**
12/21/2013 4:32 PM

[View Complete Results](#)

Results: ALLERGEN, INTERPRETATION

Status: **Final result**
12/21/2013 4:32 PM

Component
ALLERGEN, INTERPRETATION:
See Note

Comment:
REFERENCE INTERVAL: Allergen, Interpretation

Less than 0.10 kU/L.....No significant level detected
0.10-0.34 kU/L.....Clinical relevance undetermined
0.35-0.70 kU/L.....Low
0.71-3.50 kU/L.....Moderate
3.51-17.50 kU/L.....High
17.51 kU/L or Greater....Very High

Allergen results of 0.10-0.34 kU/L are intended for specialist use as the clinical relevance is undetermined. Even though increasing ranges are reflective of increasing concentrations of allergen-specific IgE, these concentrations may not correlate with the degree of clinical response or skin testing results when challenged with a specific allergen. The correlation of allergy laboratory results with clinical history and in vivo reactivity to specific allergens is essential. A negative test may not rule out clinical allergy or even anaphylaxis.

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