PANDAS LABS
FERGUSON

		patient	CAROLINE	
		DOB	6/2/06	
		COLLECTION DATE	5/18/11	9/20/11
	NORMVAL	AGE	4.96	5.30
	<200	ASO		<20
STREP	<170	Anti-DNAaseB		<70
	<100	Streptozyme		
		TCX		
MYCOPLASMA	<8.5	IgG		0.01
	<770	IgM		0.01
CDC LYME	<0.91	Titers		
GENUS SPECIFICS		WesternBlot, IgG		
18,23,30,31,34,37,39, 83,93		WesternBlot, IgM		
IMMUNOGLOBULINS		IgG		483
		IgA		51
		IgM		42
		IgE		4.52
	G4_E PROD	IgG4*IgE		45.2
	G4_E RATIO	IgG4/IgE		2.212389381
	A_M RATIO	IgA/IgM		1.214285714
IgG subclasses	290	IgG1		333
	145	IgG2		135
	24	IgG3		27
	19	IgG4		10
Other tests		TSH		
		TT3		
		TT4		
		CERULOPLASMIN		
		FERRITIN		77
		ANA		
VITAMINS		VIT A		
	>32	25-OH-VIT D		66.7
	<4	25-OH-VIT D2		
	>28	25-OH-VIT D3		
		VIT E		
CBC				

	WBC			10.46
	HGB			12.7
	HCT			37.8
	MCV			88.1
	MCHC			33.6
	PLATS			179
	MPV			
ABSOLUTE	NEUT			4.87
	LYMPHS			4.75
	MONO			0.59
	EOS			0.21
	BASOS			0.04

PNEUMOCOCCAL	1	1		0.25
ANTIBODIES	3	3		0.11
yellow=PREVNAR	4	4		0.26
blue= not in vaccine	5	5		1.16
	FU	8		0.34
	9N	9		0.54
	12F	12		0.84
GOOD >1	14	14		2.47
FAIR>0.35	19F	19		0.78
POOR<0.35	23F	23		1.94
	6B	26		
	7F	51		6.3
	18C	56		1.46
	9V	68		4.78

ADVENTIST HINSDALE HOSPITAL
120 N Oak Street
Hinsdale, IL 60521-3890
Medical Director: Dino U. Vallera, MD
CLINICAL LABORATORY

Hematology

Collected Date 09/20/2011
Collected Time 16:21:00

Procedure		Units	Ref Range
WBC	10.46	x10'3/microL	[5.00-14.50]
RBC	4.29	x10'6/microL	[3.90-5.30]
Hgb	12.7	g/dL	[11.5-13.5]
Hct	37.8	%	[34.0-40.0]
Platelet	179	x10'3/microL	[150-400]
MCV	88.1	fL	[78.0-90.0]
MCH	29.6	pg	[24.0-30.0]
MCHC	33.6	g/dL	[31.0-37.0]
RDW	13.6	%	[11.5-14.5]
Neutrophils %	47	%	
Lymphocytes %	45	%	
Monocytes %	6	%	
Eosinophils %	2	%	
Basophils %	0	%	
Neutrophils Abs	4.87	x10'3/microL	[1.50-8.00]
Lymphocytes Abs	4.75	x10'3/microL	[1.50-7.00]
Monocytes Abs	0.59	x10'3/microL	[0.18-0.60]
Eosinophils Abs	0.21	x10'3/microL	[0.04-0.60]
Basophils Abs	0.04	x10'3/microL	[0.00-0.11]

Chemistry

Chemistry

Collected Date 09/20/2011
Collected Time 16:21:00

Procedure		Units	Ref Range
Ceruloplasmin	**40 H***	mg/dL	[18-37]
Ferritin	77.0	ng/mL	[13.0-150.0]
25OH Vit D Level	66.7	ng/mL	[30.0-100.0]
ASO Titer	<20		[<=150]

Laboratory Result Legend: @=Abnormal L=Low H=High C=Critical *=Comment c=Corrected

Admit: 9/20/2011 Pt. Type: Outpatient
Disch: 9/20/2011
DOB: 6/2/2006 Age: 5 years Sex: Female
Room/Bed: /
Print DT/TM: 9/29/2011 10:08:28 AM
Chart Request ID: 14791876

Patient Name: FERGUSON, CAROLINE GRACE
MR#: 2236143 ACCT#: 8048964
Outreach Client: Adventist Hinsdale Hospital
Outreach Client #: HIN
Copy for: ROSARIO TRIFILETTI

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Dnase B Ab	<70 *	Units/mL	[0-70]
IgA	51	mg/dL	[27-195]
IgE Level	4.52	kUa/L	
IgG	**483 L**	mg/dL	[504-1,464]
IgG Subclass 1	333	mg/dL	[330-1065]
Collected Date	09/20/2011		
Collected Time	16:21:00		

Procedure		Units	Ref Range
IgG Subclass 2	135	mg/dL	[57-345]
Igg Subclass 3	27	mg/dL	[8-126]
IgG Subclass 4	10 *	mg/dL	[2-116]
IgM	42	mg/dL	[24-210]
Mycoplasma IgG	0.01 *	Units/L	
Mycoplasma IgM	0.01 *	Units/L	[<=0.76]
Pneumococ IgG Type 1	0.25	mcg/mL	
Pneumococ IgG Type 12F	0.84	mcg/mL	
Pneumococ IgG Type 14	2.47	mcg/mL	
Pneumococ IgG Type 18C	1.46	mcg/mL	
Pneumococ IgG Type 19F	0.78	mcg/mL	
Pneumococ IgG Type 23F	1.94	mcg/mL	
Pneumococ IgG Type 3	0.11	mcg/mL	
Pneumococ IgG Type 4	0.26	mcg/mL	
Pneumococ IgG Type 5	1.16	mcg/mL	
Pneumococ IgG Type 6B	1.31	mcg/mL	
Pneumococ IgG Type 7F	6.50	mcg/mL	
Pneumococ IgG Type 8	0.34	mcg/mL	
Pneumococ IgG Type 9N	0.54	mcg/mL	
Pneumococ IgG Type 9V	4.78	mcg/mL	

9/20/2011 4:21:00 PM 25OH Vit D Level:

<10 ng/mL	Deficiency
10 - 30 ng/mL	Insufficiency
30 - 100 ng/mL	Sufficiency
>100 ng/mL	Toxicity

9/20/2011 4:21:00 PM IgE Level:

TOTAL IgE REFERENCE RANGES:

< 25 kUA/L	Normal
25 –100	Borderline
>100	Elevated

09/20/2011 16:21:00 Ceruloplasmin:
Performed by ARUP Laboratories,
500 Chipeta Way, SLC,UT 84108 800-522-2787
www.aruplab.com, Sherrie L. Perkins, MD - Lab. Director

Laboratory Result Legend: @=Abnormal L=Low H=High C=Critical *=Comment c=Corrected

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Chemistry

09/20/2011 16:21:00 Dnase B Ab:
Performed by ARUP Laboratories,
500 Chipeta Way, SLC,UT 84108 800-522-2787
www.aruplab.com, Sherrie L. Perkins, MD - Lab. Director
09/20/2011 16:21:00 IgG Subclass 4:
INTERPRETATION: For Immunoglobulin G Subclasses 1 - 4

The total IgG (mg/dL) can be derived by the sum of the subclasses IgG1, IgG2, IgG3 and IgG4 values. However, a confirmatory and more precise total IgG is available by the nephelometric method of total IgG (Test # 00-50350).
Performed by ARUP Laboratories,
500 Chipeta Way, SLC,UT 84108 800-522-2787
www.aruplab.com, Sherrie L. Perkins, MD - Lab. Director
09/20/2011 16:21:00 Mycoplasma IgG:
REFERENCE INTERVAL: Mycoplasma pneumoniae Ab, IgG
0.09 U/L or less ..... Negative
0.10 - 0.32 U/L ..... Equivocal
0.33 U/L or greater ..... Positive

INTERPRETIVE DATA: Over 50% of healthy adults have a relatively high background of specific M. pneumoniae IgG antibodies in their sera, probably because of past M. pneumoniae infections. Therefore, paired sera obtained with a time interval of 1 to 3 weeks are highly recommended in adults to confirm reinfection by M. pneumoniae, which is demonstrated by a significant change in IgG antibodies. A significant change is indicated if one sample is above 0.32 U/L and the other is below 0.20 U/L.

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Chemistry

09/20/2011 16:21:00 Mycoplasma IgM:
REFERENCE INTERVAL: Mycoplasma pneumoniae Ab, IgM
0.76 U/L or less ..... Negative: No clinically significant amount of M. pneumoniae IgM antibody detected.
0.77 - 0.95 U/L ..... Low Positive: M. pneumoniae-specific IgM presumptively detected. Collection of a follow-up sample in 1-2 weeks is recommended to assure reactivity.
0.96 U/L or greater ..... Positive: Highly significant amount of M. pneumoniae-specific IgM antibody detected. However, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection.
Performed by ARUP Laboratories,
500 Chipeta Way, SLC,UT 84108 800-522-2787
www.aruplab.com, Sherrie L. Perkins, MD - Lab. Director

Miscellaneous Lab Tests

Collected Date	09/20/2011
Collected Time	16:21:00

Procedure		Units	Ref Range
Interp	See Note *		
Arup Result 1	SEE NOTE *		

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Miscellaneous Lab Tests

09/20/2011 16:21:00 Interp:
INTERPRETATION: Pneumococcal Antibodies, IgG

Includes serotypes 1, 3, 4*, 5, 6B*, 7F, 8, 9N, 9V*, 12F, 14*, 18C*, 19F*, 23F*

All serotypes tested are present in the 23-valent pure polysaccharide pneumococcal vaccine. The serotypes marked with an asterisk are contained in the conjugated pneumococcal vaccine.

This assay is designed to use both "pre" and "post" samples to assess immune responsiveness to vaccination. This test is not designed to determine protection to Streptococcus pneumoniae based on a single sample.

Long-term protection is generally thought to be associated with a one month post-vaccine response of at least 1 ug/mL in children and adults. Responder status is determined, once reaching the minimum level of 1 ug/mL, according to the ratio of postvaccination to prevaccination concentration of pneumococcal IgG antibody as follows:

A ratio of less than twofold is considered a non-responder.
A ratio of two to fourfold is a weak responder.
A ratio of fourfold or greater is a good responder.

A response to greater than 50% of the antigens contained in the vaccination is most likely indicative of a normal response.
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Miscellaneous Lab Tests

09/20/2011 16:21:00 Arup Result 1:

Test name	Result	Units	RefIntvl
Streptozyme Screen	None Detected		None Detected
Streptozyme Titer	Not Done	units	< 100

Because the Streptozyme screen was negative, the
Streptozyme titer was not performed.
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