



Name of person completing form:

Date:

Site Number:

318

Subject Number:

013-0006

Neurology Consult Date:

29-Nov-2016

Version 1.0 18JAN2017

013-00006



JOHNS HOPKINS

M E D I C I N E

John Smith
10/23/1940

11/29/2016 12:00 PM Office Visit

Description: 82 year old male

Provider: Michael James Polydefkis, MD

Department: Bv301 Neurology

Diagnoses	Reason for Visit
Screening for endocrine disorder - Primary Z13.29	Reason for Visit History
Polyneuropathy G62.9	
Hereditary sensorimotor neuropathy G60.0	
Weakness R53.1	
Screening for iron deficiency anemia Z13.0	
Screening for endocrine disorder Z13.29	
Screening for neurological condition Z13.89	
Screening for diabetic peripheral neuropathy Z13.89	
B12 deficiency E53.8	
Pyridoxal deficiency E53.1	
Screening for diabetes mellitus Z13.1	
Diabetes mellitus due to underlying condition with diabetic neuropathy, without long-term current use of insulin E08.40	

Vital Signs - Last Recorded

BP	Pulse	Resp	Ht	Wt	BMI
120/68 mmHg	71	19	1.829 m (6')	87.091 kg (192 lb)	26.03 kg/m2

Recent Review Flowsheet Data

Blood Pressure Percentiles by Age, Sex, and Stature	11/29/2016	11/29/2016
Blood Pressure	120/68	-
Weight	11/29/2016	11/29/2016
Weight	-	87.091 kg

ASCVD 10 Year Risk Score

Not Applicable

0 - 5 percent Low Risk
5 - 7 percent Medium Risk
7 - 100 percent High Risk

An Atherosclerotic Cardiovascular Disease (ASCVD) event is defined as myocardial infarction, CHD death or stroke. The ASCVD risk score (Goff DC Jr, et al, 2013) returns the percentage likelihood of a first time ASCVD event. This score is not applicable to this patient. Components are not calculated.

013-0806

Progress Notes

Michael James Polydefkis, MD at 11/29/2016 1:24 PM

Status: Signed

This is the first adult Peripheral Nerve Clinic visit for [REDACTED] for whom neurological consultation has been requested by KEVIN W O'HARA, MD and Dr. Dan Judge for evaluation of peripheral neuropathy. [REDACTED] was a participant in the ENDEAVOR trial for TTR-CM that was discontinued in October 2016. He has a Val122Ile mutation.

For this visit the patient has completed the new patient questionnaire which will be scanned in. Outside records if available are reviewed and detailed below.

History.

He has a history of HTN, CTS release bilaterally and several hip surgeries. He underwent lumbar spine surgeries for spinal stenosis in 2011 and 2013. The last was L2 through S1 fusion. He has used a cane intermittently for years- since at least the 1990's. Beginning in late 2014 / early 2015 he began to experience SOB while at the gym. He goes to PT 1x/week for his LB issues and has been seeing a personal trainer for years 2x/wk for the back and hip. The SOB was new and led to a cardiac evaluation and biopsy that was positive for TTR amyloid. Genetic testing revealed a V122Ile variant.

His wife felt that his mobility was declining when he enrolled in the ENDEAVOR trial in 3/2016. That study was going well from his perspective when it was discontinued [REDACTED] wife felt that his mobility had stabilized. He has noticed some mild numbness in the feet for the past few years. Less so in his finger tips. There is no neuropathic pain. He did develop ED over the past year. There are no there autonomic symptoms.

He has a history of gout and has been treated intermittently with colchicine, but never for more than a few months at a time.

Over the past year he has regularly used two canes. This is more for balance than due to weakness. There are no bowel/bladder issues.

In January 2016 he had an outside NCV test that documented sural amplitudes of 3.6microvolts and velocities were moderately reduced. CMAPs were reduced in the LE. EMG documented widespread acute/chronic denervation in the LE. F-waves were prolonged.

The patient has completed the general and neurologic review of 11+ systems which will be scanned in. I have personally reviewed this and significant positives and negatives are listed in HPI. Other positive and negative complaints are documented in patient fill out form scanned into document section. The remainder is negative as reviewed with the patient.

The details of the past medical history, past surgical history, family history, Ob/Gyn history (if applicable), and social history are contained in the new patient questionnaire which will be scanned in. These have been reviewed and are not contributory to today's visit aside from those mentioned above.

The patient is a 82 y.o. right handed person.

Examination:

A 82 y.o. is seen and examined. There were no vitals filed for this visit..

He is well developed, well nourished, and in no acute distress. Gait and station are abnormal. He cannot walk on heels and toes. Romberg sign is present. He cannot arise from a chair without the use of the hands.

The patient is alert and oriented to person, place and time. Recent and remote memory is intact. Attention span, concentration, language, and fund of knowledge are normal.

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Cranial nerve (CN) examination reveals normal CN 2: pupils, visual fields, CN 3/4/6: extra-ocular movements, CN 5: facial sensation, CN 8: hearing to spoken voice, and strength in CN 7: face, CN 9/10: palate, CN 11: shoulder shrug, neck flexion and CN 12: tongue.

Tone in the limbs is abnormal. There is no atrophy or abnormal movements. Strength in the limbs is abnormal to direct manual muscle testing and detailed in the NIS form below.

Tendon reflexes (biceps, triceps, supinators, knees, and ankles) are abnormal and detailed in the NIS form below. The toes are downgoing.

Sensation to touch, pin, vibration, and position is abnormal in the limbs and is detailed in the forms below.

Rydel tuning fork

Site	Right	Left
Digit 2	6.5	5.5
Knee	2.5	2.5
Ankle	0	2
Great Toe	0	0

Monofilament touch threshold (gms)

Site	Right	Left
Elbow		
Wrist		
Digit 2		
Knee		
Ankle		
Great Toe	0.4g reduced. 2g intact	0.4g reduced. 2g intact

Cerebellar testing including finger-to-nose and rapid alternating movements is normal.

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NIS FORM				Blank fields are normal.
CRANIAL NERVES	RIGHT	LEFT		Muscle Strength
3 rd Nerve				0 = normal
6 th Nerve				1 = mild weakness
Face				2 = moderate
Palate				3 = severe
Tongue				4 = no mvmt
MUSCLES				
Respiratory				
Neck Flexion				
Shoulder abduction				
Elbow flexion				
Brachioradialis				
Elbow extension				
Wrist flexion				
Wrist extension				
Finger flexion				
Finger spreading	1	1		
Thumb abduction				
Hip Flexion	0	0		
Hip Extension	0	0		
Knee flexion	0	0		
Knee extension	1	1		
Ankle dorsiflexion	2	3		
Ankle plantarflexion	2	3		
Toe extension	3	3		
Toe flexion	3	4		
REFLEXES				Reflexes
Biceps	0	0		0 = normal
Triceps	0	0		1 = reduced
Brachioradialis	0	0		2 = absent
Knees	0	0		
Ankles	2	2		
SENSATION -- FINGERS				Sensation
Touch	0	0		0 = normal
Pin	0	0		1 = reduced
Vibration	0	0		2 = absent
Position	0	0		
SENSATION - TOES				
Touch	0	0		
Pin	0	0		
Vibration	2	2		
Position	0	0		
SUM			TOTAL =	

Sensation slight reduced in the median distribution c/t the ulnar.

Over 50% of today's 80 minute visit was spent in direct face to face time with the patient concerning patient education, counseling, and coordination of care. We discussed prognosis and

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implications on future health, effects and side effects of present and future potential medications, test results as well as further testing and medications required.

Assessment

is a pleasant 82 year old retired engineer who has a history of lumbar stenosis, LBP, bilateral TS and CM that was diagnosed as TTR-CM Val122Ile in Feb 2015. Today, his examination suggests a peripheral neuropathy that superimposed upon his known L/S spine disease. The most likely explanation is the known pathogenic TTR variant though there is also a history of colchicine exposure. Today, I will send screening labs for peripheral neuropathy that include SPEP, TSH, B12, A1c.

I have also ordered a brief NCV test and skin biopsies in order to define the pattern and extent of his peripheral neuropathy.

His largest complaint is balance difficulties and we discussed strategies that will allow him to best compensate for his ankle weakness and reduced distal sensation.

Orders Placed This Encounter

Procedures

- Methylmalonic Acid, serum
 - Standing Status: Future
 - Number of Occurrences:
 - Standing Expiration Date: 11/29/2017
- TSH
 - Standing Status: Future
 - Number of Occurrences:
 - Standing Expiration Date: 11/29/2017
- Protein electrophoresis, serum
 - Standing Status: Future
 - Number of Occurrences:
 - Standing Expiration Date: 11/29/2017

No visits with results within 1 Day(s) from this visit.
Latest known visit with results is:

Results Only on 11/02/2016

Component	Date	Value	Ref Range	Status
• Lactate, Whole Blood	11/02/2016	1.9	0.5-2.2 mmol/L	Final

Prenatal Visits

No pregnancy episode for this patient could be found.

Not recorded

Current Outpatient Medications at End of the Encounter

	Dosage
allopurinol (ZYLORIM) 100 MG tablet	TK 2 TS PO D
ALPHAGAN P 0.1 % Drop	INSTILL 1 GTT BID IN OD
ANDROGEL 20.25 mg/1.25 gram (1.62 %)	APPLY 4 PUMPS D UTD
GIPm	
benazepril (LOTENSIN) 10 MG tablet	TK 1 T PO D
bumetanide (BUMEX) 1 MG tablet	TK 1 T PO D
COLCRYS 0.6 mg tablet	

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latanoprost (XALATAN) 0.005 %
ophthalmic solution

INT 1 GTT IN OU D HS

RAPAFLO 8 mg capsule

XARELTO 15 mg Tab tablet

TK 1 T PO D

Orders Placed This Encounter

Future Labs/Procedures	Expires
Hemoglobin A1C [LAB90 Custom]	11/29/2017
Methylmalonic Acid, serum [LAB835 Custom]	11/29/2017
Protein electrophoresis, serum [LAB119 Custom]	11/29/2017
TSH [LAB129 Custom]	11/29/2017
Vitamin B12 [LAB67 Custom]	11/29/2017
Vitamin B6, Plasma [LAB120 Custom]	11/29/2017

Level of Service

PR OFFICE
CONSULTATION
NEW/ESTAB
PATIENT 60 MIN
[99244]

All Flowsheet Templates (all recorded)

Custom Formula Data
Encounter Vitals
Reg Travel Screening

Encounter Bill Area

Bill Area
BV NEUROMUSCULAR [13215]

Referring Provider

Kevin W O'Hara, MD

All Charges for This Encounter

Code	Description	Service Date	Service Provider	Modifiers	Qty
99204	PR OFFICE OUTPATIENT NEW 45 MINUTES	11/29/2016	Michael James Polydefkis, MD		1

Communication Routing

There are no sent or routed communications associated with this encounter.

Other Encounter Related Information

Allergies & Medications
Problem List
History
Patient-Entered Questionnaires
Encounter Routing History
Ambulatory Facility Charge Score Summary

D13-0006



JOHNS HOPKINS
M E D I C I N E

Read by: Michael James Polydefkis

Patient identification: M John Smith a 82 y.o. year old male presenting for evaluation of numbness in the feet and to a lesser extent the hands. He is s/p two L/S spine surgeries. He has a Val122Ile TTR variant and TTR-CM.

Nerve conduction study:

Sensory (SNAP)

The right sural has a reduced sural at 1 microvolts with a normal velocity.

The left sural response is absent.

The right ulnar and median sensory responses have reduced amplitudes and reduced velocities of 44m/s. The palmar response had no further reduction in velocity.

The right radial sensor response was absent.

Compound Action Potential (CMAP)

Bilateral tibial and peroneal motor responses were absent when recording from distal foot muscles.

There was asymmetry in the peroneal motor responses when recording from the TA, with an amplitude of 1.6mV on the right and 0.2mV on the left.

The right median and ulnar motor responses have normal amplitudes, distal latencies, velocities and slightly prolonged F-wave latencies.

Electromyogram:

EMG of right leg muscles demonstrated acute denervation in the TA and gastroc. There was also a proximal>distal chronic neurogenic recruitment pattern.

Impression:

This study demonstrates a length-dependent peripheral neuropathy with axonal and demyelinating features. There is EMG evidence for a chronic superimposed multilevel L/S radiculopathy.

Johns Hopkins Bayview

Exam

Date: 11/29/2016

Name:

MR#:

Gender: Male

Birth:

Date of

Age: 82 y

Patient History:

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Motor Nerve Conduction:

Nerve and Site	Lat ms	Amp mV	Segment	Dist mm	Lat Diff ms	CV m/s
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Peroneal.R to Extensor digitorum brevis.R

Ankle	NR	NR	Extensor digitorum brevis-Ankle			
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Peroneal.R to Tibialis anterior.R

Fibula (head)	4.4	1.6	Tibialis anterior-Fibula (head)		4.4	
Popliteal fossa	6.3	1.6	Fibula (head)-Popliteal fossa	90	1.9	47

Tibial.R to Abductor hallucis.R

Ankle	NR	NR	Abductor hallucis-Ankle			
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Tibial.L to Abductor hallucis.L

Ankle	NR	NR	Abductor hallucis-Ankle			
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Peroneal.L to Extensor digitorum brevis.L

Ankle	NR	NR	Extensor digitorum brevis-Ankle			
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Peroneal.L to Tibialis anterior.L

Fibula (head)	5.1	0.2	Tibialis anterior-Fibula (head)		5.1	
Popliteal fossa	6.9	0.2	Fibula (head)-Popliteal fossa	90	1.8	50

Median.R to Abductor pollicis brevis.R

Wrist	4.1	5.8	Abductor pollicis brevis-Wrist	55	4.1	
Elbow	9.7	5.3	Wrist-Elbow	320	5.6	57

Ulnar.R to Abductor digiti minimi (manus).R

Wrist	3.3	11.9	Abductor digiti minimi (manus)-Wrist	55	3.3	
Below elbow	8.2	10.8	Wrist-Below elbow	255	4.9	52
Above elbow	10.2	10.3	Below elbow-Above elbow	110	2.0	55

F-waves:

Nerve	M-Lat ms	F-Lat ms
Median.R	5.4	33.7
Ulnar.R	4.8	33.5

Sensory and Mixed Nerve Conduction:

Nerve and Site	Onset Lat ms	Peak Lat ms	Amp μ V	Segment	Lat Diff ms	Dist mm	CV m/s
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Sural.R to Ankle.R

Lower leg	3.2	4.1	1	Ankle-Lower leg	3.2	135	42
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Sural.L to Ankle.L

Lower leg	NR	NR	NR	Ankle-Lower leg		110	
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Radial.R to Anatomical snuff box.R

Forearm	1.7	2.5	14	Anatomical snuff box-Forearm	1.7	110	65
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Median.R to Wrist.R

Mid palm	1.7	2.5	36	Wrist-Mid palm	1.7	80	46
Digit II (index finger)	3.5	4.5	5	Wrist-Digit II (index finger)	3.5	155	44

Ulnar.R to Digit V (little finger).R

Wrist	3.1	4.2	2	Digit V (little finger)-Wrist	3.1	135	44
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Normal Values

	F-Wave	Distal Latency	Amplitude	NCV
Peroneal	<56	<5.6	>2	>39
Tibial	<56	<6.1	>2	>39
Median	<32	<4.3	>5	>49
Ulnar	<33	<3.5	>5	>49

Needle EMG Examination:

Muscle	Insertion Activity	Spontaneous Activity				Volitional MUAPs					Comments
		Fibs	PSW	Fasc	Other	Effort	Recruit	Dur	Amp	Poly	
Tibialis anterior.R	Normal	2+	2+	None		Normal	Reduced	SI Incr	SI Incr	None	
Gastrocnemius.R	Normal	1+	1+	None		Normal	Reduced	Normal	Normal	None	
Rectus femoris.R	Normal	0	0	None		Normal	Reduced	SI Incr	SI Incr	None	

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JOHNS HOPKINS

M E D I C I N E

Results

Methylmalonic Acid, serum (Order 311149078)

Methylmalonic Acid, serum

Status: Final result

Visible to patient: MyChart

Next appt: None

Dx: Polyneuropathy; Weakness; Hereditary ...

Methylmalonic Acid.

2mo ago

Date received: 12/05/16

Sample date: 12/05/16 plasma

RESULTS: Methylmalonate: 350 nmol/L

Normal range:

45 - 325 nmol/L

Interpretation:

Slightly increased methylmalonate level.

Comments: Interpretation provided by:

Jessica S. Albert, Ph.D.

Biochemical Genetics Laboratory

Kennedy Krieger Institute

443-923-2782

Resulting Agency JHH Labs

Specimen Collected:
12/05/16 11:50 AMLast Resulted: 12/07/16
9:32 AMLab Flowsheet Order Details View Encounter Lab
and Collection Details Routing Result History

SmartLink Information

METHYLMALONIC ACID, SERUM (Order #311149078) on 12/5/16

Encounter

View Encounter

Result Information

Status

Final result (12/7/2016 9:32 AM)

Provider Status: Ordered

Lab Information

JHH LABS

Johns Hopkins Medical Laboratories

600 North Wolfe Street, Carnegie 417

Baltimore, Maryland 21287

Additional Information

Specimen ID

960505856:65682718

Bill Type

Client ID

013-0006

Specimen Date Taken	Specimen Time Taken	Specimen Received Date	Specimen Received Time	Result Date	Result Time
Dec 5, 2016	11:50 AM	Dec 5, 2016	11:50 AM	Dec 7, 2016	9:32 AM

Hemodynamic Waveform

No documents found

Result History

Order 311149078

Audit Trail

Order 311149078



JOHNS HOPKINS
M E D I C I N E

Methylmalonic Acid, serum
(Order 311149078)

Lab

Order: 311149078

Released By: Aja Payne

Authorizing: Michael James Polydefkis, MD

Date: 12/5/2016

Department: Johns Hopkins Medical Laboratories

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 13:22	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

View Encounter

Associated Diagnoses

Polyneuropathy [G62.9]
Hereditary sensorimotor neuropathy [G60.0]
Weakness [R53.1]

Order Requisition

METHYLMALONIC ACID, SERUM (Order #311149078) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 13:22	Michael James Polydefkis, MD

Collection Information

Specimen Type:	Specimen Source:	Collected:	Resulting Agency:
Blood	Blood	12/5/2016 11:50 AM	JHH LABS

Order Provider Info

Ordering User	Office phone	Pager/beeper	E-mail
		--	--

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	Michael James Polydefkis, MD	410-502-7610		
Authorizing Provider	Michael James Polydefkis, MD	410-502-7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502-7610	--	--

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JOHNS HOPKINS

M E D I C I N E

Results

TSH (Order 311149079)

TSH

Status: **Final result** Visible to patient: **MyChart** Next appt: **None** Dx: **Polyneuropathy; Weakness; Hereditary ...**

Thyroid Stim. Hormone	Ref Range 0.50-4.50 uIU/mL	2mo ago 2.00
Resulting Agency	JHH Labs	
Specimen Collected: 12/05/16 11:48 AM	Last Resulted: 12/05/16 1:25 PM	Lab Flowsheet Order Details View Encounter Lab and Collection Details Routing Result History

SmartLink Information

TSH (Order #311149079) on 12/5/16

Encounter

View Encounter

Result Information

Status
Final result (12/5/2016 1:25 PM)
Provider Status: Ordered

Lab Information

JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
600 North Wolfe Street, Carnegie 417
Baltimore, Maryland 21287-0005

Additional Information

Specimen ID 960505857:65682719	Bill Type	Client ID			
Specimen Date Taken Dec 5, 2016	Specimen Time Taken 11:48 AM	Specimen Received Date Dec 5, 2016	Specimen Received Time 12:36 PM	Result Date Dec 5, 2016	Result Time 1:25 PM

Hemodynamic Waveform

No documents found

Result History

Order 311149079

Audit Trail

Order 311149079

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JOHNS HOPKINS

M E D I C I N E

**TSH (Order
311149079)**

Lab

Order: 311149079

Released By: **Aja Payne**
Authorizing: **Michael James
Polydefkis, MD**

Date: **12/5/2016**

Department: **Johns Hopkins Medical
Laboratories**

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 13:22	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

[View Encounter](#)

Associated Diagnoses

Polyneuropathy [G62.9]
Hereditary sensorimotor neuropathy [G60.0]
Weakness [R53.1]

Order Requisition

TSH (Order #311149079) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 13:22	Michael James Polydefkis, MD

Collection Information

Specimen Type:	Collected:	Resulting Agency:
Blood	12/5/2016 11:48 AM	JHH SOFT LABS

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Michael James Polydefkis, MD	410-502- 7610	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Protein electrophoresis, serum (Order 312293823)

Protein electrophoresis, serum

Status: Final result Visible to patient: MyChart Next appt: None Dx: Polyneuropathy; Weakness; Hereditary ...

	Ref Range	2mo ago
Albumin, SPEP	3.1-5.4 g/dL	3.9
Alpha-1-Glob SPEP	0.1-0.4 g/dL	0.2
Alpha-2-Glob SPEP	0.4-1.1 g/dL	0.6
Beta-Glob SPEP	0.5-1.2 g/dL	0.6
Gamma-Glob SPEP	0.7-1.7 g/dL	1.1
Total Protein SPEP	6.0-8.2 g/dL	6.5
Interpretation SPEP		Final IWS

Comments: DESCRIPTION:

Quantitatively within normal limits. There is a spike in the gamma region, 0.13 g/dL. There is a second spike in the gamma region, 0.18 g/dL.

INTERPRETATION:

The electrophoretic pattern is consistent with monoclonal gammopathy.

HISTORY:

There is no previous history available.

RECOMMENDATION:

Immunoglobulin quantitation and serum IFE will follow. Check back for results.

Interpretation and Recommendations provided by:

Timothy Amukele Department of Pathology

Resulting Agency JHH Labs

Specimen Collected: 12/05/16 11:48 AM
Last Resulted: 12/13/16 11:02 AM

Lab Flowsheet Order Details View Encounter Lab
and Collection Details Routing Result History

SmartLink Information

PROTEIN ELECTROPHORESIS, SERUM (Order #312293823) on 12/5/16

Encounter

[View Encounter](#)

Result Information

Status

Final result (12/13/2016 11:02 AM)

Provider Status: Ordered

Lab Information

JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
600 North Wolfe Street, Carnegie 417
Baltimore, Maryland 21287-0005

Additional Information

Specimen ID

Bill Type

Client ID

013-0006

960505857:65682720

Specimen Date Taken	Specimen Time Taken	Specimen Received Date	Specimen Received Time	Result Date	Result Time
Dec 5, 2016	11:48 AM	Dec 6, 2016	11:00 AM	Dec 13, 2016	11:02 AM

Hemodynamic Waveform

No documents found

Result History

Order 312293823

Audit Trail

Order 312293823



JOHNS HOPKINS
M E D I C I N E

Protein electrophoresis, serum
(Order 312293823)

Lab

Order: 312293823

Released By: Aja Payne

 Authorizing: Michael James
 Polydefkis, MD

Date: 12/5/2016

 Department: Johns Hopkins
 Medical Laboratories
Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 13:22	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

View Encounter

Associated Diagnoses

Polyneuropathy [G62.9]
 Hereditary sensorimotor neuropathy [G60.0]
 Weakness [R53.1]

Order Requisition

PROTEIN ELECTROPHORESIS, SERUM (Order #312293823) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 13:22	Michael James Polydefkis, MD

Collection Information

Specimen Type:	Collected:	Resulting Agency:
Blood	12/5/2016 11:48 AM	JHH SOFT LABS

Order Provider Info

Office phone	Pager/beeper	E-mail

013-0006

Ordering User	Michael James Polydefkis, MD	410-502- 7610	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Vitamin B12 (Order 312293824)

Vitamin B12

Status: Final result Visible to patient: MyChart Next appt: None Dx: B12 deficiency

Vitamin B12	Ref Range	2mo ago
	211-946 pg/mL	1014 (H)
Resulting Agency	JHH Labs	
Specimen Collected: 12/05/16 11:48 AM	Last Resulted: 12/05/16 1:49 PM	Lab Flowsheet Order Details View Encounter Lab and Collection Details Routing Result History

SmartLink Information

VITAMIN B12 (Order #312293824) on 12/5/16

Encounter

View Encounter

Result Information

Abnormal

Status: Final result (12/5/2016 1:49 PM)

Provider Status: Ordered

Lab Information

 JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
 600 North Wolfe Street, Carnegie 417
 Baltimore, Maryland 21287-0005

Additional Information

 Specimen ID
 960505857:65682721

Bill Type

Client ID

Specimen Date Taken	Specimen Time Taken	Specimen Received Date	Specimen Received Time	Result Date	Result Time
Dec 5, 2016	11:48 AM	Dec 5, 2016	12:36 PM	Dec 5, 2016	1:49 PM

Hemodynamic Waveform

No documents found

Result History

Order 312293824

Audit Trail

Order 312293824

013-0006



JOHNS HOPKINS

M E D I C I N E

Vitamin B12 (Order 312293824)

Lab

Order: 312293824

Released By: Aja Payne
 Authorizing: Michael James
 Polydefkis, MD

Date: 12/5/2016
 Department: Johns Hopkins Medical
 Laboratories

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 15:57	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

View Encounter

Associated Diagnoses

B12 deficiency [E53.8]

Order Requisition

VITAMIN B12 (Order #312293824) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 15:57	Michael James Polydefkis, MD

Collection Information

Specimen Type:	Collected:	Resulting Agency:
Blood	12/5/2016 11:48 AM	JHH SOFT LABS

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Michael James Polydefkis, MD	410-502- 7610	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Vitamin B6, Plasma (Order 312293825)

Vitamin B6, Plasma

Status: Final result Visible to patient: MyChart Next appt: None Dx: Pyridoxal deficiency

	Ref Range	2mo ago
Vitamin B 6, Plasma	2.1 - 21.7 ng/mL	5.0

Comments: Vitamin supplementation within 24 hours prior to blood draw may affect the accuracy of the results. This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

Test Performed by Quest, Chantilly,
Quest Diagnostics Nichols Institute,
14225 Newbrook Drive, Chantilly, VA 20151
Patrick W Mason, M.D., Ph.D., Director of Laboratories
(703) 802-6900, CLIA 49D0221801

Resulting Agency QUEST REFERENCE
LAB

Specimen Collected:
12/05/16 11:48 AM

Last Resulted: 12/08/16
2:58 PM

Lab Flowsheet Order Details View Encounter Lab
and Collection Details Routing Result History

SmartLink Information

VITAMIN B6, PLASMA (Order #312293825) on 12/5/16

Encounter

View Encounter

Result Information

Status

Final result (12/8/2016 2:58 PM)

Provider Status: Ordered

Lab Information

QUEST REFERENCE LAB
14225 Newbrook Dr
Chantilly, Virginia 20151-2228

Additional Information

Specimen ID
960505857:65682722

Bill Type

Client ID

Specimen Date
Taken
Dec 5, 2016

Specimen Time
Taken
11:48 AM

Specimen
Received Date
Dec 5, 2016

Specimen
Received Time
3:44 PM

Result Date
Dec 8, 2016

Result Time
2:58 PM

013-0006

Hemodynamic Waveform

No documents found

Result History

Order 312293825

Audit Trail

Order 312293825



JOHNS HOPKINS
M E D I C I N E

**Vitamin B6, Plasma (Order
312293825)**

Lab

Order: 312293825

Released By: Aja Payne
Authorizing: Michael James
Polydefkis, MD

Date: 12/5/2016
Department: Johns Hopkins
Medical Laboratories

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 15:58	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

View Encounter

Associated Diagnoses

Pyridoxal deficiency [E53.1]

Order Requisition

VITAMIN B6, PLASMA (Order #312293825) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 15:58	Michael James Polydefkis, MD

Collection Information

Specimen Type:	Collected:	Resulting Agency:
Blood	12/5/2016 11:48 AM	QUEST REFERENCE LAB

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Michael James Polydefkis, MD	410-502- 7610	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Hemoglobin A1C (Order 312293826)

Hemoglobin A1C

Status: Final result Visible to patient: MyChart Next appt: None Dx: Diabetes mellitus due to underlying c...

Hemoglobin A1C	Ref Range	2mo ago
	4.5-6.1 %	5.6
Resulting Agency	JHH Labs	
Specimen Collected:	Last Resulted: 12/05/16	Lab Flowsheet Order Details View Encounter Lab and Collection Details Routing Result History
12/05/16 11:48 AM	3:16 PM	

SmartLink Information

HEMOGLOBIN A1C (Order #312293826) on 12/5/16

Encounter

View Encounter

Result Information

Status
Final result (12/5/2016 3:16 PM)
Provider Status: Ordered

Lab Information

JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
600 North Wolfe Street, Carnegie 417
Baltimore, Maryland 21287-0005

Additional Information

Specimen ID	Bill Type	Client ID
960505857:65682723		
Specimen Date Taken	Specimen Time Taken	Specimen Received Date
Dec 5, 2016	11:48 AM	Dec 5, 2016
		Specimen Received Time
		12:37 PM
		Result Date
		Dec 5, 2016
		Result Time
		3:16 PM

Hemodynamic Waveform

No documents found

Result History

Order 312293826

Audit Trail

Order 312293826

013-0006



JOHNS HOPKINS

M E D I C I N E

Hemoglobin A1C (Order 312293826)

Lab

Order: 312293826

Released By: Aja Payne
Authorizing: Michael James
Polydefkis, MD

Date: 12/5/2016
Department: Johns Hopkins Medical
Laboratories

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
11/29/16 16:12	12/05/16 11:28	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Lab Collect

Encounter

View Encounter

Associated Diagnoses

Diabetes mellitus due to underlying condition with diabetic neuropathy, without long-term current use of insulin [E08.40]

Order Requisition

HEMOGLOBIN A1C (Order #312293826) on 12/5/16

Original Order

Ordered On	Ordered By
11/29/2016 16:12	Michael James Polydefkis, MD

Collection Information

Specimen Type	Collected	Resulting Agency
Blood	12/5/2016 11:48 AM	JHH SOFT LABS

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Michael James Polydefkis, MD	410-502- 7610	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Immunofixation, Serum (Order 312293829)

Immunofixation, Serum

Status: Final result Visible to patient: MyChart Next appt: None

SIFE

2mo ago

Final IWS

Interpretation

Comments: DESCRIPTION:

One band of restricted electrophoretic mobility is present at the point of application of the IgM lane with a corresponding band in lambda. A second band of restricted electrophoretic mobility is seen in the lambda lane without corresponding bands in the G, A, or M lanes.

INTERPRETATION:

There is an IgM lambda monoclonal gammopathy accompanied by a lambda Bence Jones proteinemia.

RECOMMENDATION:

Recommendations as clinically indicated.

Interpretation and Recommendations provided by:

Patrizio Caturegli Department of Pathology

Resulting Agency JHH Labs

Specimen Collected:
12/05/16 11:48 AMLast Resulted: 12/19/16
3:32 PMLab Flowsheet Order Details View Encounter Lab
and Collection Details Routing Result History

SmartLink Information

IMMUNOFIXATION, SERUM (Order #312293829) on 12/5/16

Encounter

View Encounter

Result Information

Status

Final result (12/19/2016 3:32 PM)

Provider Status: Ordered

Lab Information

JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
600 North Wolfe Street, Carnegie 417
Baltimore, Maryland 21287-0005

Additional Information

Specimen ID

960505857:66040569

Bill Type

Client ID

Specimen Date
Taken

Dec 5, 2016

Specimen Time
Taken

11:48 AM

Specimen
Received Date

Dec 6, 2016

Specimen
Received Time

11:00 AM

Result Date

Dec 19, 2016

Result Time

3:32 PM

Hemodynamic Waveform

013-0006

No documents found

Result History

Order 312293829

Audit Trail

Order 312293829



JOHNS HOPKINS
M E D I C I N E

**Immunofixation, Serum (Order
312293829)**

Lab

Order: 312293829

Ordering: Aja Payne

 Authorizing: Michael James
Polydefkis, MD

Date: 12/5/2016

 Department: Johns Hopkins
Medical Laboratories
Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
12/05/16 11:28	None	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Normal

Encounter

View Encounter

Order Requisition

IMMUNOFIXATION, SERUM (Order #312293829) on 12/5/16

Collection InformationSpecimen Type: **Blood**

Collected: 12/5/2016 11:48 AM

Resulting Agency: JHH SOFT LABS

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Aja Payne	--	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--

013-0006



JOHNS HOPKINS

M E D I C I N E

Results

Immunoglobulins (IgG, IgA, IgM) (Order 312293830)

Immunoglobulins (IgG, IgA, IgM)

Status: Final result Visible to patient: MyChart Next appt: None

	Ref Range	2mo ago
IgG, Serum	751-1560 mg/dL	1360
IgA, Serum	82-453 mg/dL	332
IgM, Serum	46-304 mg/dL	70
Resulting Agency	JHH Labs	
Specimen Collected: 12/05/16 11:48 AM	Last Resulted: 12/14/16 2:27 PM	Lab Flowsheet Order Details View Encounter Lab and Collection Details Routing Result History

SmartLink Information

IMMUNOGLOBULINS (IGG,IGA,IGM) (Order #312293830) on 12/5/16

Encounter

View Encounter

Result Information

Status
Final result (12/14/2016 2:27 PM)
Provider Status: Ordered

Lab Information

JOHNS HOPKINS MEDICAL LABS (J.H.M.L.)
600 North Wolfe Street, Carnegie 417
Baltimore, Maryland 21287-0005

Additional Information

Specimen ID	Bill Type	Client ID
960505857:66040571		
Specimen Date Taken	Specimen Time Taken	Specimen Received Date
Dec 5, 2016	11:48 AM	Dec 6, 2016
Specimen Received Time	Result Date	Result Time
11:00 AM	Dec 14, 2016	2:27 PM

Hemodynamic Waveform

No documents found

Result History

Order 312293830

Audit Trail

Order 312293830

013-0006



JOHNS HOPKINS

M E D I C I N E

Immunoglobulins (IgG, IgA, IgM) (Order 312293830)

Lab

Order: 312293830

Ordering: Aja Payne

Authorizing: Michael James
Polydefkis, MD

Date: 12/5/2016

Department: Johns Hopkins
Medical Laboratories

Order Information

Order Date/Time	Release Date/Time	Start Date/Time	End Date/Time
12/05/16 11:28	None	12/05/16 11:28	None

Order Details

Frequency	Duration	Priority	Order Class
None	None	Routine	Normal

Encounter

View Encounter

Order Requisition

IMMUNOGLOBULINS (IGG,IGA,IGM) (Order #312293830) on 12/5/16

Collection Information

Specimen Type: **Blood**

Collected: 12/5/2016 11:48 AM

Resulting Agency: JHH SOFT LABS

Order Provider Info

		Office phone	Pager/beeper	E-mail
Ordering User	Aja Payne	--	--	--
Authorizing Provider	Michael James Polydefkis, MD	410-502- 7610	--	--
Attending Provider	Michael James Polydefkis, MD	410-502- 7610	--	--