



Hooman A Asbaghi

Patient Health Summary, generated on Feb. 21, 2025

Patient Demographics - Male; born Jan. 04, 1966

Patient Address	Patient Name	Communication
200 HARBOR DR UNIT 2902 (Home) SAN DIEGO, CA 92101-6894	Hooman A Asbaghi	619-642-9545 (Mobile) hooman.asbaghi@mmimedical.com Hooman.Asbaghi@mmimedical.com nhbio@protonmail.com
Former (Dec. 24, 2024 - Jan. 24, 2025): 200 E harbor Dr apt 2902 (Home) SAN DIEGO, CA 92101-3327	Former / Aliases: Hooman Asbaghi	
Former (Jan. 03, 2023 - Dec. 23, 2024): 1205 PACIFIC HWY (Home) SAN DIEGO, CA 92101-3327		
Language	Race / Ethnicity	Marital Status
English (Preferred)	White / Not Hispanic or Latino	Divorced

Note from Scripps Health

This document contains information that was shared with Hooman A Asbaghi. It may not contain the entire record from Scripps Health.

Allergies

Meperidine (hyperventilated)

Medications

methadone (DOLOPHINE) 10 mg/mL solution Take 30 mg by mouth 2 (two) times a day.
rosuvastatin (CRESTOR) 5 mg tablet Take 5 mg by mouth once daily.
diazePAM (VALIUM) 10 mg tablet (Started 9/21/2017)
ergocalciferol (VITAMIN D2) 1,250 mcg (50,000 unit) capsule (Started 12/22/2021) Take 1 capsule (50,000 Units total) by mouth 1 (one) time every week. 11 refills by 12/22/2022
Synthroid 100 mcg tablet (Started 12/22/2021) Take 1 tablet (100 mcg total) by mouth daily. 3 refills by 12/22/2022
furosemide (LASIX) 20 mg tablet (Started 1/26/2025) Take 1 tablet (20 mg total) by mouth daily for 2 days.
metFORMIN XR (GLUCOPHAGE-XR) 500 mg 24 hr tablet Take 500 mg by mouth 2 (two) times a day.
aspirin 81 mg chewable tablet Chew 81 mg daily.

Active Problems

Problem	Noted Date	Diagnosed Date
Accumulation of fluid in tissues	01/30/2025	
Family history of coronary artery disease	01/30/2025	
Obesity	01/30/2025	
Osteonecrosis of left hip	10/23/2017	
Iron deficiency anemia	08/24/2017	
Testicular hypofunction	11/28/2016	
Muscle twitching	10/03/2016	
Fast heart beat	10/03/2016	
MUSCLE SPASM	10/03/2016	
Osteoporosis	07/28/2016	
Status post right hip replacement	11/12/2015	
Enlarged lymph nodes	12/22/2014	
Abnormal liver function test	12/18/2014	
Chronic thyroiditis (Hashimoto's disease)	02/27/2014	
Chronic lower back pain	10/24/2013	
High cholesterol or triglycerides	10/24/2013	
Reflex sympathetic dystrophy of left lower extremity	10/24/2013	

Social History

Tobacco Use	Types	Packs/Day	Years Used	Date
Smoking Tobacco: Former				
Smokeless Tobacco: Never				
Alcohol Use	Standard Drinks/Week			
Yes	0 (1 standard drink = 0.6 oz pure alcohol)			
Patient History	Answer			Date Recorded
Alcohol Use Status	Yes			04/17/2024
Oz/Week (Alcohol Misuse Male >= 9 OR Female >= 4.8)	Not on file			04/17/2024
Sex and Gender Information	Value			Date Recorded
Sex Assigned at Birth	Male			10/03/2024 3:27 PM PDT
Legal Sex	Male			02/09/2017 11:43 AM PST
Gender Identity	Male			10/03/2024 3:27 PM PDT
Sexual Orientation	Straight			10/03/2024 3:27 PM PDT

Last Filed Vital Signs

Vital Sign	Reading	Time Taken	Comments
Blood Pressure	133/78	01/26/2025 2:05 AM PST	
Pulse	88	01/26/2025 2:05 AM PST	
Temperature	36.9 °C (98.4 °F)	01/25/2025 11:48 PM PST	
Respiratory Rate	16	01/26/2025 2:05 AM PST	
Oxygen Saturation	96%	01/26/2025 2:05 AM PST	
Inhaled Oxygen Concentration	-	-	
Weight	92.8 kg (204 lb 9.4 oz)	01/25/2025 11:48 PM PST	
Height	177.8 cm (5' 10")	01/25/2025 11:48 PM PST	
Body Mass Index	29.36	01/25/2025 11:48 PM PST	

Medical Devices

Implanted	Type	Area	Manufacturer	Device Identifier	Model / Serial / Lot
Head Biolox Delta V-40 36mm 6570-0-136 - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	HEAD	Left: Hip	STRYKER ORTHOPEDICS	04546540608512	6570-0-136 / / 60294101
Insert Trident 0deg X3 36f 623-00-36f - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	INSERT/I	Left: Hip	STRYKER ORTHOPEDICS	07613327039535	623-00-36F / / 15095T
Screw Cancellous 6.5mmx25mm 2030-6525-1 - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	SCREW/I	Left: Hip	STRYKER ORTHOPEDICS	07613327036992	2030-6525-1 / / NK5PA4
Screw Cancellous 6.5mmx30mm 2030-6530-1 - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	SCREW/I	Left: Hip	STRYKER ORTHOPEDICS	07613327037005	2030-6530-1 / / NJ7DY1
Shell Acetabular Cluster Hole 54mm Ha 542-11-54f - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	SHELL	Left: Hip	STRYKER ORTHOPEDICS	07613327037203	542-11-54F / / 8938K3
Stem Advncd Secure-Fit 127 Sz9 1601-09127 - Log166592 Implanted: Qty: 1 on 10/23/2017 by Richard Walker, MD at Scripps Green Hospital	STEM	Left: Hip	STRYKER ORTHOPEDICS	07613327021332	1601-09127 / / Y07RRR

Procedures

Echocardiogram 2D With Image Enhancement Agent As Needed (ECHOCARDIOGRAM 2D (WITH IMAGE ENHANCEMENT AGENT/COLOR FLOW MAP/SPECTRAL ANALYSIS/STRAIN/3D PRN)) (Performed 1/29/2025) Performed for Accumulation of fluid in tissues
ANESTHESIA INTUBATION (Performed 10/23/2017)
LEFT TOTAL HIP REPLACEMENT (Performed 10/23/2017)

Results

2D ECHO COMPLETE WITHOUT CONTRAST (WITH COLOR & DOPPLER) (01/29/2025 4:39 PM PST)

Anatomical Region	Laterality	Modality	Other	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time

Narrative

This result has an attachment that is not available.

Authorizing Provider	Result Type	Result Status
Eric Hong MD	CV ECHO PROCEDURES	Final Result

Vascular Ult venous duplex lower extremity complete bilateral (VASCULAR ULT VENOUS DUPLEX LOWER EXTREMITY COMPLETE BILATERAL) - Final result (01/26/2025 1:47 AM PST)

Anatomical Region	Laterality	Modality		
Lower Extremities	Bilateral	Ultrasound		
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time

01/26/2025 1:56 AM PST

Impressions

01/26/2025 6:16 PM PST
IMPRESSION: Negative for deep vein thrombosis in both lower extremities.

release

Narrative

01/26/2025 6:16 PM PST
EXAMINATION: VASCULAR ULT VENOUS DUPLEX LOWER EXTREMITY COMPLETE BILATERAL

DATE/TIME: 1/26/2025 1:47 AM

HISTORY: Recent travel, lower extremity swelling left greater than right, clinical concern for deep vein thrombosis.

COMPARISON: None.

TECHNIQUE: Sonographic examination was performed. Duplex scan was performed characterizing the pattern and direction of blood flow with the production of real-time images integrating B-mode two-dimensional vascular structure, Doppler spectral analysis, and color flow Doppler imaging.

FINDINGS:
VEINS: No intraluminal thrombus. Normal venous compression and normal augmentation response. Tiny peripheral calf vein thrombi may not be detectable.
OTHER: None.

Procedure Note

Stellios Karnezis, MD - 01/26/2025

Formatting of this note might be different from the original.

EXAMINATION: VASCULAR ULT VENOUS DUPLEX LOWER EXTREMITY COMPLETE BILATERAL

DATE/TIME: 1/26/2025 1:47 AM

HISTORY: Recent travel, lower extremity swelling left greater than right, clinical concern for deep vein thrombosis.

COMPARISON: None.

TECHNIQUE: Sonographic examination was performed. Duplex scan was performed characterizing the pattern and direction of blood flow with the production of real-time images integrating B-mode two-dimensional vascular structure, Doppler spectral analysis, and color flow Doppler imaging.

FINDINGS:

VEINS: No intraluminal thrombus. Normal venous compression and normal augmentation response. Tiny peripheral calf vein thrombi may not be detectable.

OTHER: None.

IMPRESSION:

IMPRESSION: Negative for deep vein thrombosis in both lower extremities.

release

Authorizing Provider	Result Type	Result Status
Justin Hering MD	IMG US PROCEDURES	Final Result

N-TERMINAL PROBNP (NT PRO-BNP) - Final result (01/26/2025 12:13 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
NT pro-BNP	59	Refer to the reference range comment. pg/mL		01/26/2025 12:44 AM PST	LA JOLLA LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment: NT-proBNP reference range: <=125 pg/mL						
NT-proBNP testing aids in the diagnosis or exclusion of heart failure (HF) when used in conjunction with clinical history, symptoms, exam findings, and additional imaging and laboratory studies.						
Emergency Department: The ICON-RELOADED study provided validation of cutoff values for NT-proBNP in patients presenting with dyspnea in the Emergency Department (1). In this setting NT-proBNP level <300 pg/mL has a high negative predictive value for HF. For values above 300 pg/mL, age-specific cutoffs provide additional decision limit categories:						
Result.....Age.....Interpretation <300.....All.....Negative: Heart Failure Unlikely =300 to <450.....22-<50..Gray Zone: Result Indeterminate-Consider other causes of NT-proBNP elevation* =300 to <900.....50-<75..Gray Zone: Result Indeterminate-Consider other causes of NT-proBNP elevation* =300 to <1800.....>=75....Gray Zone: Result Indeterminate-Consider other causes of NT-proBNP elevation* =>450.....22-<50..Positive: Heart Failure Likely =>900.....50-<75..Positive: Heart Failure Likely =>1800.....>=75....Positive: Heart Failure Likely						
* Natriuretic peptides values in the gray zones may be caused by conditions other than heart failure. Acute coronary syndrome,pulmonary embolism,pulmonary hypertension,sepsis,stroke,and renal dysfunction will elevate NT- proBNP levels. Obesity, flash pulmonary edema,cardiac tamponade,and pericardial constriction are conditions associated with reduced NT-proBNP(2).						
Ambulatory Clinics: For patients presenting to outpatient clinics with suspicion of HF, the optimal clinical utility of NT-proBNP is to exclude heart failure.For this clinical setting Ortho Clinical Diagnostics recommends NT-proBNP results be interpreted as in the table below(2):						
Result.....Age.....Interpretation <125.....All.....Negative: Heart Failure Unlikely >=125.....All.....Consider Heart Failure as well as other causes* of NT-proBNP elevation.						
* Natriuretic peptides value elevations could also be caused by conditions other than heart failure such as acute coronary syndrome, pulmonary embolism, pulmonary hypertension, sepsis, stroke, and renal dysfunction (2).						
References: 1. Terminal Pro-B-Type Natriuretic Peptide in the Emergency Department: The ICON-RELOADED Study. J Am Coll Cardiol. 2018 Mar 20;71(11):1191-1200. doi: 10.1016/j.jacc.2018.01.021. PMID: 29544601. 2. NBNP2 Instructions For Use. Ortho Clinical Diagnostics						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Blood	Venous blood / Unknown	Venipuncture / Unknown	01/26/2025 12:13 AM PST	01/26/2025 12:19 AM PST		
Narrative						
Authorizing Provider	Result Type	Result Status				
Justin Hering MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
LA JOLLA LAB	9888 Genesee Ave	La Jolla, CA 92037	858-626-6039			
PROCALCITONIN - Final result (01/26/2025 12:13 AM PST)						

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Procalcitonin	0.05	0.03 - 0.08 ng/mL		01/26/2025 12:49 AM PST	LA JOLLA LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown		01/26/2025 12:13 AM PST		01/26/2025 12:19 AM PST

Narrative

LA JOLLA LAB - 01/26/2025 12:49 AM PST
Procalcitonin (PCT) is a dynamic biomarker with value in guiding antibiotic management in select clinical settings. PCT values are most useful when trends are analyzed. Decisions on antibiotic use should not be based solely on PCT level. Consider repeating PCT no more than daily in ICU/sepsis patients, and every 2 days for LRTI in order to discontinue antibiotics.

Suspected Lower Respiratory Tract Infection (LRTI):
0.1-0.25 ng/mL - low likelihood for bacterial infection, antibiotics discouraged
>0.25 ng/mL - increased likelihood for bacterial infection.

Suspected Sepsis
0.1-0.5 ng/mL - low likelihood for sepsis, antibiotics discouraged.
>0.5 ng/mL - increased likelihood of sepsis.
>2.0 ng/mL - high risk of sepsis/septic shock.

Consider discontinuation of antibiotics when PCT <0.25 (LRTI) or <0.5 (sepsis), or 80% reduction from baseline.

Authorizing Provider	Result Type	Result Status	
Justin Hering MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
LA JOLLA LAB	9888 Genesee Ave	La Jolla, CA 92037	858-626-6039

CBC WITH DIFFERENTIAL - Final result (01/26/2025 12:13 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	5.7	3.4 - 11.0 K/mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
RBC	4.01	4.46 - 5.85 M/mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
HGB	12.2	13.0 - 17.1 g/dL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
HCT	36.3	39.8 - 51.5 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
MCV	91	81 - 100 fL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
MCH	30	26 - 33 pg		01/26/2025 12:22 AM PST	LA JOLLA LAB	
MCHC	33.6	31.0 - 36.0 g/dL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
RDW	13.4	11.7 - 14.9 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Platelet Count	175	150 - 425 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
MPV	9.0	9.0 - 12.8 fL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
nRBC	0.0	0.0 /100 WBCs		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Neutrophils %	52.8	38.0 - 74.0 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
IG%	0.2	0.0 - 1.2 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Lymphocytes %	36.9	16.0 - 48.0 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Monocytes %	7.1	4.9 - 12.5 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Eosinophils %	2.5	0.0 - 9.5 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Basophils %	0.5	0.0 - 1.6 %		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Absolute Neutrophils	3.00	1.50 - 7.40 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
IG#	0.01	0.00 - 0.10 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Absolute Lymphocytes	2.09	0.90 - 3.10 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Absolute Monocytes	0.40	0.26 - 0.87 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Absolute Eosinophils	0.14	0.00 - 0.51 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Absolute Basophils	0.03	0.00 - 0.09 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Preliminary Abs Neut	3.00	1.50 - 7.40 K/ mcL		01/26/2025 12:22 AM PST	LA JOLLA LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	01/26/2025 12:13 AM PST		01/26/2025 12:19 AM PST
Narrative						
Authorizing Provider	Result Type		Result Status			
Justin Hering MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
LA JOLLA LAB	9888 Genesee Ave		La Jolla, CA 92037	858-626-6039		

TROPONIN I - Final result (01/26/2025 12:13 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Troponin I	<0.012	<=0.034 ng/mL		01/26/2025 12:44 AM PST	LA JOLLA LAB	

Comment:
The decision limit value of 0.035 ng/mL is based on the established 99th percentile upper reference limit in a healthy reference population. This patient's result is considered normal. However, clinical correlation is suggested to determine whether serial measurements are necessary for further evaluation.

High dose biotin supplementation (>1 mg/day) may falsely decrease results.

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	01/26/2025 12:13 AM PST	01/26/2025 12:19 AM PST

Narrative

Authorizing Provider	Result Type	Result Status
Justin Hering MD	LAB BLOOD ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
LA JOLLA LAB	9888 Genesee Ave	La Jolla, CA 92037	858-626-6039

PROTIME-INR (PROTHROMBIN TIME-INR) - Final result (01/26/2025 12:13 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Protime	12.6	10.0 - 13.1 Seconds		01/26/2025 12:25 AM PST	LA JOLLA LAB	
INR	1.1	Therapeutic Range: 2.0 - 3.0 Conventional Anticoagulation; 2.5 - 3.5 Intensive Anticoagulation		01/26/2025 12:25 AM PST	LA JOLLA LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	01/26/2025 12:13 AM PST	01/26/2025 12:19 AM PST

Narrative

Authorizing Provider	Result Type	Result Status
Justin Hering MD	LAB BLOOD ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
LA JOLLA LAB	9888 Genesee Ave	La Jolla, CA 92037	858-626-6039

COMPREHENSIVE METABOLIC PANEL - Final result (01/26/2025 12:13 AM PST)

Narrative

for adults >19 years:
recumbent total protein values are approximately 0.4 dL less than ambulatory values.
For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:
70-99 mg/dL: Normal
100-125 mg/dL: Impaired Fasting Glucose
>125 mg/dL: Diabetes*

*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.

Authorizing Provider	Result Type	Result Status	
Justin Hering MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
LA JOLLA LAB	9888 Genesee Ave	La Jolla, CA 92037	858-626-6039

TSH (THYROID STIMULATING HORMONE) - Final result (01/16/2023 12:26 PM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stimulating Hormone	2.906	0.350 - 4.940 mIU/mL		01/16/2023 7:10 PM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	01/16/2023 12:26 PM PST		01/16/2023 12:26 PM PST

Narrative

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

PSA (SURVEILLANCE) (PSA ANTIGEN (PSA SCREEN)) - Edited Result - FINAL (01/16/2023 12:26 PM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
PSA				05/14/2023 8:20 PM PDT	SCRIPPS LAB	

Comment:
Previous PSA may not have been reliable, and has been removed. See comment below for the value that was removed.

Corrected result. Previous result was 0.2 ng/mL on 1/16/2023 at 1820 PST

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	01/16/2023 12:26 PM PST	01/16/2023 12:26 PM PST

Narrative

SCRIPPS LAB - 05/14/2023 8:20 PM PDT

Narrative

This result was obtained using Abbott Alinity Chemiluminescent microparticle immunoassay (CMIA). Values obtained with different assay methods cannot be used interchangeably.

The Abbott Alinity i Total PSA assay was used. The Abbott assay is approved as an aid in the detection of prostate cancer when used in conjunction with digital rectal exam (DRE) in men 50 years or older, or as an adjunctive test to aid in the management of prostate cancer patients. Elevated PSA concentrations can only suggest the presence of prostate cancer. Prostatic biopsy is required for diagnosis of cancer. Elevated concentrations of PSA may be observed in the serum of patients with benign prostatic hyperplasia or other nonmalignant disorders. Low PSA concentrations are not always indicative of the absence of cancer. Hormonal therapy may affect PSA expression.

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Edited Result - Final	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

THYROGLOBULIN, COMPREHENSIVE (WITH ANTI-TG SCREEN AND REFLEX TO RIA) - Final result (01/03/2023 10:23 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Anti-Thyroglobulin Ab	544	IU/mL		01/09/2023 12:05 AM PST	SH EXT NON-INTERFACED LAB	
Comment: Reference Range: <1.0 Negative > or = 1.0 Positive						

Thyroglobulin (TG-RIA)	6.6	ng/mL		01/09/2023 12:05 AM PST	SH EXT NON-INTERFACED LAB	
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Comment:
This test was developed and its performance characteristics determined by LabCorp. It has not been cleared or approved by the Food and Drug Administration.
Reference Range:
Pubertal Children and Adults: <40
According to the National Academy of Clinical Biochemistry, the reference interval for Thyroglobulin (TG) should be related to euthyroid patients and not for patients who underwent thyroidectomy. TG reference intervals for these patients depend on the residual mass of the thyroid tissue left after surgery. Establishing a post-operative baseline is recommended. The assay quantitation limit is 2.0 ng/mL.

Thyroglobulin (ICMA)	Comment	ng/mL		01/09/2023 12:05 AM PST	SH EXT NON-INTERFACED LAB	
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Comment: Not applicable

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	01/03/2023 10:23 AM PST	01/03/2023 10:23 AM PST

Narrative

LABCORP - 01/09/2023 12:05 AM PST
Performed at: 01 - Esoterix Inc
4301 Lost Hills Road, Calabasas Hills, CA 913015358
Lab Director: Brian Poirier MD, Phone: 8004449111

Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
LABCORP	1912 Alexander Drive	Research Triangle Park, NC 27709				
SH EXT NON-INTERFACED LAB						
CBC WITH DIFFERENTIAL - Final result (01/03/2023 10:23 AM PST)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	4.5	3.4 - 11.0 K/mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
RBC	4.52	4.46 - 5.85 M/mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
HGB	13.3	13.0 - 17.1 g/dL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
HCT	41.7	39.8 - 51.5 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
MCV	92	81 - 100 fL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
MCH	29	26 - 33 pg		01/03/2023 2:56 PM PST	SCRIPPS LAB	
MCHC	31.9	31.0 - 36.0 g/dL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
RDW	12.9	11.7 - 14.9 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Platelet Count	211	150 - 425 K/mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
nRBC	0.0	0 /100 WBCs		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Preliminary Abs Neut	2.24	1.50 - 7.40 K/mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Neutrophils %	50.1	38.0 - 74.0 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
IG%	0.2	0.0 - 1.2 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Lymphocytes %	37.9	16.0 - 48.0 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Monocytes %	9.8	4.9 - 12.5 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Eosinophils %	1.6	0.0 - 9.5 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Basophils %	0.4	0.0 - 1.6 %		01/03/2023 2:56 PM PST	SCRIPPS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Absolute Neutrophils	2.24	1.50 - 7.40 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
IG#	0.01	0.00 - 0.10 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Absolute Lymphocytes	1.70	0.90 - 3.10 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Absolute Monocytes	0.44	0.26 - 0.87 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Absolute Eosinophils	0.07	0.00 - 0.51 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Absolute Basophils	0.02	0.00 - 0.09 K/ mcL		01/03/2023 2:56 PM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	01/03/2023 10:23 AM PST		01/03/2023 10:23 AM PST

Narrative

Authorizing Provider	Result Type	Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result			
Performing Organization	Address	City/State/ZIP Code		Phone Number	
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552	

THYROID PEROXIDASE AB (THYROID PEROXIDASE ANTIBODY) - Final result (01/03/2023 10:23 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Peroxidase Antibody	4,240.87	<5.61 IU/mL		01/04/2023 11:47 AM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	01/03/2023 10:23 AM PST		01/03/2023 10:23 AM PST
Narrative						
Authorizing Provider	Result Type		Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SCRIPPS LAB	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

VITAMIN D 25 HYDROXY - Final result (01/03/2023 10:23 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Vitamin D 25-Hydroxy	27.5	30.0 - 90.0 ng/mL		01/03/2023 4:08 PM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown		01/03/2023 10:23 AM PST		01/03/2023 10:23 AM PST

Narrative

SCRIPPS LAB - 01/03/2023 4:08 PM PST

Deficiency < 20
Insufficiency 20-29
Optimal level >= 30
Potential toxicity > 100

Patients whose predominant form of vitamin D is D2, such as those receiving vitamin D2 supplementation, results that are subtherapeutic should be confirmed with another method, such as LC-MS/MS.

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

T4 FREE (T4, FREE) - Final result (01/03/2023 10:23 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
T4, Free	0.95	0.70 - 1.48 ng/dL		01/03/2023 4:14 PM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown		01/03/2023 10:23 AM PST		01/03/2023 10:23 AM PST

Narrative

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

COMPREHENSIVE METABOLIC PANEL - Final result (01/03/2023 10:23 AM PST)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Fasting?	No			01/03/2023 4:55 PM PST	SCRIPPS LAB	
Glucose	111	70 - 125 mg/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Sodium	143	136 - 145 mmol/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Potassium	4.0	3.5 - 5.1 mmol/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Chloride	105	98 - 107 mmol/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
CO2, Total	23	22 - 29 mmol/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Urea Nitrogen	12	8 - 26 mg/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Creatinine	0.68	0.73 - 1.18 mg/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Comment: Interference from alpha-methyldopa or N-acetyl-L-cysteine at therapeutic concentrations may lead to falsely low results. Very rare cases of low results have also been described in setting of monoclonal gammopathies.						
CKD-EPI eGFR 2021	109	>60 mL/min/1.73m*2		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Anion Gap	15	6 - 14 mmol/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Osmolality Calculated	296	280 - 305 mOsm/kg H2O		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Calcium	9.9	8.3 - 10.3 mg/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Protein, total	8.1	6.4 - 8.3 g/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Albumin	4.2	3.5 - 5.0 g/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Alkaline Phosphatase	50	40 - 150 Units/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
AST	29	5 - 34 Units/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
ALT	49	5 - 55 Units/L		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Bilirubin, Total	0.4	0.2 - 1.2 mg/dL		01/03/2023 4:55 PM PST	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	01/03/2023 10:23 AM PST		01/03/2023 10:23 AM PST
Narrative						
SCRIPPS LAB - 01/03/2023 4:55 PM PST						
for adults >19 years: recumbent total protein values are approximately 0.4 dL less than ambulatory values. Glucose values >199 mg/dL meets ADA threshold for diabetes regardless of fasting status.						
Authorizing Provider	Result Type		Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES		Final Result			

Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

ELECTROPHORESIS (IMMUNOFIXATION IF INDICATED),URINE - Final result (10/19/2020 10:58 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Protein,Total (UR)	<5.0	<11.1 mg/dL		10/21/2020 4:06 PM PDT	SCRIPPS LAB	
Albumin (UR)	0.8	mg/dL		10/21/2020 4:06 PM PDT	SCRIPPS LAB	
Gamma Globulin (UR)	4.1	mg/dL		10/21/2020 4:06 PM PDT	SCRIPPS LAB	
Protein Electrophoresis Interpretation (UR)	Trace protein. No monoclonal protein identified. Mariah R. Baughn, M.D.			10/21/2020 4:06 PM PDT	GREEN LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Urine	Voided urine specimen / Unknown		10/19/2020 10:58 AM PDT	10/19/2020 10:58 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status
Megan McGarvey MD	LAB URINE ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TESTOSTERONE, BIOAVAILABLE, MALE 14 YRS AND OLDER) (TESTOSTERONE, BIOAVAILABLE, SEX HORMONE BINDING GLOB, MALE (14 YRS AND OLDER)) - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Testosterone by Immunoassay	86	300 - 890 ng/dL		10/21/2020 12:12 PM PDT	ARUP LAB	

Comment:
REFERENCE INTERVAL: Testosterone, Adult Male

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

Sex Hormone Binding Globulin	33	11 - 80 nmol/L	10/21/2020 12:12 PM PDT	ARUP LAB
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Comment:
REFERENCE INTERVAL: Sex Hormone Binding Globulin

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

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Testosterone, Bioavailable	40	131 - 682 ng/dL		10/21/2020 12:12 PM PDT	ARUP LAB	
Comment: INTERPRETIVE INFORMATION: Testosterone, Bioavailable Tanner Stage IV 40 - 485 ng/dL Tanner Stage V 124 - 596 ng/dL The concentrations of free and bioavailable testosterone are derived from mathematical expressions based on constants for the binding of testosterone to albumin and/or sex hormone binding globulin. Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).						
Testosterone, Free Calculation	15	47 - 244 pg/mL		10/21/2020 12:12 PM PDT	ARUP LAB	
Comment: INTERPRETIVE INFORMATION: Testosterone, Free Tanner Stage IV 35 - 169 pg/mL Tanner Stage V 41 - 239 pg/mL The concentration of Free Testosterone is derived from a mathematical expression based on the constant for the binding of testosterone to Sex Hormone Binding Globulin (SHBG). Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).						
Testosterone, Percentage Free	1.7	1.6 - 2.9 %		10/21/2020 12:12 PM PDT	ARUP LAB	
Comment: Performed By: ARUP Laboratories 500 Chipeta Way Salt Lake City, UT 84108 Laboratory Director: Tracy I. George, MD						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Blood	Venous blood / Unknown	Venipuncture / Unknown	10/19/2020 10:02 AM PDT	10/19/2020 10:03 AM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
ARUP LAB	500 Chipeta Way	Salt Lake City, UT 84108-1221	800-522-2787			
PTH, INTACT - Final result (10/19/2020 10:02 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
PTH, Intact	70.2	18.5 - 88.0 pg/mL		10/19/2020 7:17 PM PDT	SCRIPPS LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	10/19/2020 10:02 AM PDT	10/19/2020 10:03 AM PDT
Narrative				
Authorizing Provider	Result Type	Result Status		
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result		
Performing Organization	Address	City/State/ZIP Code	Phone Number	
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552	

CBC WITH DIFFERENTIAL - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	4.6	3.4 - 11.0 K/mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
RBC	4.40	4.46 - 5.85 M/mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
HGB	13.3	13.0 - 17.1 g/dL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
HCT	40.9	39.8 - 51.5 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
MCV	93	81 - 100 fL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
MCH	30	26 - 33 pg		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
MCHC	32.5	31.0 - 36.0 g/dL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
RDW	12.6	11.7 - 14.9 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Platelet Count	204	150 - 425 K/mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
nRBC	0.0	0 /100 WBCs		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Preliminary Abs Neut	1.67	1.50 - 7.40 K/mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Neutrophils %	36.5	38.0 - 74.0 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
IG%	0.0	0.0 - 1.2 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Lymphocytes %	52.1	16.0 - 48.0 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Monocytes %	7.9	4.9 - 12.5 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Eosinophils %	2.8	0.0 - 9.5 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Basophils %	0.7	0.0 - 1.6 %		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Absolute Neutrophils	1.67	1.50 - 7.40 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
IG#	0.00	0.00 - 0.10 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Absolute Lymphocytes	2.38	0.90 - 3.10 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Absolute Monocytes	0.36	0.26 - 0.87 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Absolute Eosinophils	0.13	0.00 - 0.51 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Absolute Basophils	0.03	0.00 - 0.09 K/ mcL		10/19/2020 2:13 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result			
Performing Organization	Address	City/State/ZIP Code		Phone Number	
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552	

IRON +TIBC (IRON AND TIBC) - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Iron	90	65 - 175 mcg/dL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Transferrin	253	202 - 364 mg/ dL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Iron Binding Capacity Calculated	316	250 - 450 mcg/dL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Iron Saturation	28	20 - 50 %		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

VITAMIN D 25 HYDROXY - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Vitamin D 25-Hydroxy	52.8	30.0 - 100.0 ng/mL		10/19/2020 8:12 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown		10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT

Narrative

SCRIPPS LAB - 10/19/2020 8:12 PM PDT
 Deficiency <20 ng/mL
 Insufficiency 20 - 29.9 ng/mL
 Optimum Level 30 - 100 ng/mL
 Possible Toxicity >100 ng/mL

No pediatric range established

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

PSA,TOTAL AND FREE (PSA, FREE AND TOTAL) - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
PSA total	0.3	< OR = 4.0 ng/mL		10/22/2020 6:15 PM PDT	QUEST	
PSA, Free	<0.10	ng/mL		10/22/2020 6:15 PM PDT	QUEST	
PSA, Free Pct	N/A	>25 % (calc)		10/22/2020 6:15 PM PDT	QUEST	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
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Comment:

Reference Ranges for % Free PSA:

PSA ng/mL	Free PSA %	Estimated (x) Probability of Cancer (as %)
0-2.5	(N/A)	Approx. 1
2.6-4.0 (1)	0-27 (2)	24 (3)
4.1-10 (4)	0-10	56
	11-15	28
	16-20	20
	21-25	16
	>=26	8
>10 (+)	N/A	>50

References:

(1) Catalona, et al.: Urology 60: 469-474 (2002)

(2) Catalona, et al.: J Urol 168: 922-925 (2002)

Free PSA % Sensitivity (%) Specificity (%)

<=25 85 19

<=30 93 9

(3) Catalona, et al.: JAMA 277: 1452-1455 (1997)

(4) Catalona, et al.: JAMA 279: 1542-1547 (1998)

(x) These estimates vary with age, ethnicity, family history and DRE results.

(N/A) The diagnostic usefulness of % Free PSA has not been established in patients with total PSA below 2.6 ng/mL.

(+) In men with PSA values above 10 ng/mL, prostate cancer risk is determined by total PSA alone.

The Total PSA value from this assay system is standardized against the equimolar PSA standard. The test result will be approximately 20% higher when compared to the WHO-standardized Total PSA (Siemens assay). Comparison of serial PSA results should be interpreted with this fact in mind.

PSA was performed using the Beckman Coulter Immunoassay method. Values obtained from different assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

TEST PERFORMED AT: 05D0643352

Quest Diagnostics Nichols Institute

33608 Ortega Highway

San Juan Capistrano, CA 92675-2042

Medical Director: I Maramica MD, PhD, MBA

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown	10/19/2020 10:02 AM PDT	10/19/2020 10:03 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
QUEST	9245 Activity Road	San Diego, CA 92126	

TSH (THYROID STIMULATING HORMONE) - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stimulating Hormone	4.480	0.358 - 3.800 mIU/mL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Comment: High dose biotin supplementation (>1 mg/day) may falsely decrease results.						
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SCRIPPS LAB	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

T4 FREE (T4, FREE) - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
T4, Free	1.20	0.76 - 1.46 ng/dL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SCRIPPS LAB	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

ELECTROPHORESIS (IMMUNOFIXATION IF INDICATED),SERUM - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Protein, total	7.7	6.3 - 8.2 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	
Albumin	4.0	3.3 - 4.4 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	
Alpha 1	0.2	0.1 - 0.3 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	
Alpha 2	0.8	0.4 - 1.0 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Beta	1.1	0.8 - 1.3 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	
Gamma Globulin	1.6	0.8 - 1.7 g/dL		10/21/2020 4:05 PM PDT	SCRIPPS LAB	
Protein Electrophoresis Interpretation	Normal serum protein electrophoresis. No monoclonal proteins are identified. Mariah R. Baughn, M.D.			10/21/2020 4:05 PM PDT	GREEN LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time		Received Time	
Blood	Venous blood / Unknown	Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT	

Narrative

Authorizing Provider	Result Type	Result Status			
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result			
Performing Organization	Address	City/State/ZIP Code	Phone Number		
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775		
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552		

LUTEINIZING HORMONE - Final result (10/19/2020 10:02 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Luteinizing Hormone	5.6	mIU/mL		10/19/2020 8:30 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time		Received Time	
Blood	Venous blood / Unknown	Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT	

Narrative

SCRIPPS LAB - 10/19/2020 8:30 PM PDT
LH Reference Range:

Females:
Normally Menstruating
 Follicular phase 1.9-12.5 mIU/mL
 Midcycle peak 8.7-76.3 mIU/mL
 Luteal phase 0.5-16.9 mIU/mL
Pregnant <0.1-1.5 mIU/mL
Postmenopausal 15.9-54.0 mIU/mL
Contraceptives 0.7-5.6 mIU/mL

Males:
20-70 yrs 1.5-9.3 mIU/mL
>70 yrs 3.1-34.6 mIU/mL

Children: <0.1-6.0 mIU/mL

Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
FERRITIN - Final result (10/19/2020 10:02 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Ferritin	78.0	26.0 - 388.0 ng/mL		10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
CALCIUM - Final result (10/19/2020 10:02 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Calcium	9.3	8.4 - 10.3 mg/dL		10/19/2020 6:19 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood	Venous blood / Unknown		Venipuncture / Unknown	10/19/2020 10:02 AM PDT		10/19/2020 10:03 AM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
COMPREHENSIVE METABOLIC PANEL - Final result (10/19/2020 10:02 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Fasting?	Yes			10/19/2020 6:48 PM PDT	SCRIPPS LAB	
Sodium	136	136 - 146 mmol/L		10/19/2020 6:48 PM PDT	SCRIPPS LAB	

[illegible]

Narrative

eGFR not calculated on patients <18 years of age.
 For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:
 70-99 mg/dL: Normal
 100-125 mg/dL: Impaired Fasting Glucose
 >125 mg/dL: Diabetes*

*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

VITAMIN D 25-HYDROXY - Final result (08/26/2019 2:34 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Vitamin D 25-Hydroxy	13.8	30.0 - 100.0 ng/mL		08/26/2019 9:51 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Blood	Venous blood / Unknown	Venipuncture / Unknown	08/26/2019 2:34 PM PDT	08/26/2019 2:35 PM PDT		

Narrative

SCRIPPS LAB - 08/26/2019 9:51 PM PDT
 Deficiency <20 ng/mL
 Insufficiency 20 - 29.9 ng/mL
 Optimum Level 30 - 100 ng/mL
 Possible Toxicity >100 ng/mL
 No pediatric range established

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TSH (THYROID STIMULATING HORMONE) - Final result (08/26/2019 2:34 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stimulating Hormone	2.100	0.358 - 3.800 mIU/mL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	

Comment:
 High dose biotin supplementation (>1 mg/day) may falsely decrease results.

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Blood	Venous blood / Unknown	Venipuncture / Unknown	08/26/2019 2:34 PM PDT	08/26/2019 2:35 PM PDT		

Narrative

Authorizing Provider	Result Type	Result Status	
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result	

Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

T4 FREE (T4, FREE) - Final result (08/26/2019 2:34 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
T4, Free	1.15	0.76 - 1.46 ng/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
Blood	Venous blood / Unknown	Venipuncture / Unknown		08/26/2019 2:34 PM PDT		08/26/2019 2:35 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

COMPREHENSIVE METABOLIC PANEL - Final result (08/26/2019 2:34 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Fasting?	No			08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Sodium	141	136 - 146 mmol/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Potassium	4.1	3.5 - 5.1 mmol/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Chloride	105	98 - 107 mmol/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
CO2, Total	27	22 - 32 mmol/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Glucose	156	70 - 125 mg/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Urea Nitrogen	14	7 - 21 mg/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Creatinine	0.8	0.7 - 1.3 mg/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Osmolality Calculated	296	280 - 305 mOsm/kg H2O		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Albumin	3.8	3.3 - 5.0 g/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Protein, total	8.3	6.3 - 8.2 g/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Calcium	9.1	8.4 - 10.3 mg/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Alkaline Phosphatase	58	38 - 126 Units/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
AST	33	15 - 37 Units/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Bilirubin, Total	0.5	0.1 - 1.2 mg/dL		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Anion Gap	9	6 - 14 mmol/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
ALT	59	16 - 63 Units/L		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
GFR Calculation, African American	>60	>60 mL/min/1.73m ²		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
GFR Calculation, Non-African American	>60	>60 mL/min/1.73m ²		08/26/2019 10:41 PM PDT	SCRIPPS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Blood	Venous blood / Unknown	Venipuncture / Unknown	08/26/2019 2:34 PM PDT	08/26/2019 2:35 PM PDT		

Narrative

SCRIPPS LAB - 08/26/2019 10:41 PM PDT

Glucose values >199 mg/dL meets ADA threshold for diabetes regardless of fasting status.

Authorizing Provider	Result Type	Result Status				
Megan McGarvey MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
SCRIPPS LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			

CBC AND DIFFERENTIAL ORDER (CBC WITH AUTO DIFFERENTIAL) - Final result (10/26/2017 4:19 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	10.6	3.8 - 11.0 K/mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
RBC	3.47	4.5 - 5.9 M/mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Hgb	10.2	13.5 - 17.5 g/dL		10/26/2017 5:48 AM PDT	GREEN LAB	
HCT	31.2	41 - 53 %		10/26/2017 5:48 AM PDT	GREEN LAB	
MCV	90	80 - 100 fL		10/26/2017 5:48 AM PDT	GREEN LAB	
MCH	29	26 - 34 pg		10/26/2017 5:48 AM PDT	GREEN LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
MCHC	33	31 - 36 g/dL		10/26/2017 5:48 AM PDT	GREEN LAB	
RDW	13.4	10.5 - 13.5 %		10/26/2017 5:48 AM PDT	GREEN LAB	
PLT	236	150 - 450 K/ mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Prelim Abs Neut Ct	7.13	1.8 - 7.7 K/mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Diff Type	Auto			10/26/2017 5:48 AM PDT	GREEN LAB	
Neutrophils	67.4	44 - 70 %		10/26/2017 5:48 AM PDT	GREEN LAB	
Lymphocytes	23.9	25 - 46 %		10/26/2017 5:48 AM PDT	GREEN LAB	
Monocytes	8.4	1 - 12 %		10/26/2017 5:48 AM PDT	GREEN LAB	
Eosinophils	0.0	0 - 8 %		10/26/2017 5:48 AM PDT	GREEN LAB	
Basophils	0.3	0 - 2 %		10/26/2017 5:48 AM PDT	GREEN LAB	
Abs. Neut Ct.	7.13	1.8 - 7.7 K/mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Abs. Lymph Ct.	2.52	1.0 - 5.0 K/mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Abs. Mono Ct.	0.88	0 - 0.8 K/ mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Abs. Eos Ct.	0.01	0 - 0.5 K/ mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Abs. Baso Ct.	0.03	0 - 0.2 K/ mcL		10/26/2017 5:48 AM PDT	GREEN LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood specimen (specimen)	Venous blood / Unknown			10/26/2017 4:19 AM PDT		10/26/2017 5:01 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Stephen Sizer DO	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
GREEN LAB	10666 North Torrey Pines Rd		La Jolla, CA 92037	858-554-8775		

CBC AND DIFFERENTIAL ORDER (CBC WITH AUTO DIFFERENTIAL) - Final result (10/25/2017 4:16 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	9.0	3.8 - 11.0 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
RBC	3.46	4.5 - 5.9 M/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Hgb	10.1	13.5 - 17.5 g/dL		10/25/2017 5:06 AM PDT	GREEN LAB	
HCT	31.0	41 - 53 %		10/25/2017 5:06 AM PDT	GREEN LAB	
MCV	90	80 - 100 fL		10/25/2017 5:06 AM PDT	GREEN LAB	
MCH	29	26 - 34 pg		10/25/2017 5:06 AM PDT	GREEN LAB	
MCHC	33	31 - 36 g/dL		10/25/2017 5:06 AM PDT	GREEN LAB	
RDW	13.6	10.5 - 13.5 %		10/25/2017 5:06 AM PDT	GREEN LAB	
PLT	216	150 - 450 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Prelim Abs Neut Ct	5.85	1.8 - 7.7 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Diff Type	Auto			10/25/2017 5:06 AM PDT	GREEN LAB	
Neutrophils	65.2	44 - 70 %		10/25/2017 5:06 AM PDT	GREEN LAB	
Lymphocytes	24.2	25 - 46 %		10/25/2017 5:06 AM PDT	GREEN LAB	
Monocytes	10.3	1 - 12 %		10/25/2017 5:06 AM PDT	GREEN LAB	
Eosinophils	0.1	0 - 8 %		10/25/2017 5:06 AM PDT	GREEN LAB	
Basophils	0.2	0 - 2 %		10/25/2017 5:06 AM PDT	GREEN LAB	
Abs. Neut Ct.	5.85	1.8 - 7.7 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Abs. Lymph Ct.	2.17	1.0 - 5.0 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Abs. Mono Ct.	0.92	0 - 0.8 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	
Abs. Eos Ct.	0.01	0 - 0.5 K/mcL		10/25/2017 5:06 AM PDT	GREEN LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Abs. Baso Ct.	0.02	0 - 0.2 K/ mCL		10/25/2017 5:06 AM PDT	GREEN LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
Blood specimen (specimen)	Venous blood / Unknown			10/25/2017 4:16 AM PDT	10/25/2017 4:37 AM PDT	
Narrative						

Authorizing Provider	Result Type	Result Status	
Stephen Sizer DO	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775

CBC AND DIFFERENTIAL ORDER (CBC WITH AUTO DIFFERNTIAL) - Final result (10/24/2017 3:50 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	7.7	3.8 - 11.0 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
RBC	3.70	4.5 - 5.9 M/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Hgb	10.5	13.5 - 17.5 g/ dL		10/24/2017 4:30 AM PDT	GREEN LAB	
HCT	33.1	41 - 53 %		10/24/2017 4:30 AM PDT	GREEN LAB	
MCV	89	80 - 100 fL		10/24/2017 4:30 AM PDT	GREEN LAB	
MCH	28	26 - 34 pg		10/24/2017 4:30 AM PDT	GREEN LAB	
MCHC	32	31 - 36 g/dL		10/24/2017 4:30 AM PDT	GREEN LAB	
RDW	13.4	10.5 - 13.5 %		10/24/2017 4:30 AM PDT	GREEN LAB	
PLT	234	150 - 450 K/ mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Prelim Abs Neut Ct	4.69	1.8 - 7.7 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Diff Type	Auto			10/24/2017 4:30 AM PDT	GREEN LAB	
Neutrophils	61.2	44 - 70 %		10/24/2017 4:30 AM PDT	GREEN LAB	
Lymphocytes	27.5	25 - 46 %		10/24/2017 4:30 AM PDT	GREEN LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Monocytes	11.0	1 - 12 %		10/24/2017 4:30 AM PDT	GREEN LAB	
Eosinophils	0.1	0 - 8 %		10/24/2017 4:30 AM PDT	GREEN LAB	
Basophils	0.2	0 - 2 %		10/24/2017 4:30 AM PDT	GREEN LAB	
Abs. Neut Ct.	4.69	1.8 - 7.7 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Abs. Lymph Ct.	2.11	1.0 - 5.0 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Abs. Mono Ct.	0.85	0 - 0.8 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Abs. Eos Ct.	0.01	0 - 0.5 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Abs. Baso Ct.	0.02	0 - 0.2 K/mcL		10/24/2017 4:30 AM PDT	GREEN LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume		Collection Time	Received Time
Blood specimen (specimen)	Venous blood / Unknown				10/24/2017 3:50 AM PDT	10/24/2017 4:14 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Stephen Sizer DO	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775

BASIC METABOLIC PANEL - Final result (10/24/2017 3:50 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	140	137 - 145 mmol/L		10/24/2017 4:45 AM PDT	GREEN LAB	
Potassium	3.9	3.5 - 5.1 mmol/L		10/24/2017 4:45 AM PDT	GREEN LAB	
Chloride	102	98 - 107 mmol/L		10/24/2017 4:45 AM PDT	GREEN LAB	
CO2 Content	29	22 - 30 mmol/L		10/24/2017 4:45 AM PDT	GREEN LAB	
Anion Gap	9	6 - 14 mmol/L		10/24/2017 4:45 AM PDT	GREEN LAB	
Urea Nitrogen,Blood	8	9 - 20 mg/dL		10/24/2017 4:45 AM PDT	GREEN LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Creatinine, Serum	0.7	0.7 - 1.3 mg/dL		10/24/2017 4:45 AM PDT	GREEN LAB	
Glucose	109	70 - 125 mg/dL		10/24/2017 4:45 AM PDT	GREEN LAB	
Comment: For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below: 70-99 mg/dL: Normal 100-125 mg/dL: Impaired Fasting Glucose >125 mg/dL: Diabetes* *In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.						
Osmo Calc	289	280 - 305 mOs/Kg H2O		10/24/2017 4:45 AM PDT	GREEN LAB	
Calcium	8.3	8.4 - 10.2 mg/dL		10/24/2017 4:45 AM PDT	GREEN LAB	
GFR Calc,Non-African	>60	>60 mL/mn/1.73m2		10/24/2017 4:45 AM PDT	GREEN LAB	
GFRA Calc,African	>60	>60 mL/mn/1.73m2		10/24/2017 4:45 AM PDT	GREEN LAB	
Comment: This estimated GFR calculation is not suitable for medication dosing.						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Serum specimen (specimen)	Venous blood / Unknown		10/24/2017 3:50 AM PDT	10/24/2017 4:14 AM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Stephen Sizer DO	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775			
X-ray pelvis 1 view (X-RAY PELVIS 1 VIEW) - Final result (10/23/2017 10:54 AM PDT)						
Anatomical Region	Laterality	Modality				
Body, Pelvis		Computed Radiography				
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Impressions						
10/23/2017 1:05 PM PDT IMPRESSION: Interval left hip arthroplasty. No acute complication identified						
CC Dr:	p:	f:				
Narrative						
10/23/2017 1:05 PM PDT						

Narrative

EXAMINATION: X-RAY PELVIS 1 VIEW

DATE/TIME: 10/23/2017 10:43 AM

HISTORY: Status post hip arthroplasty

COMPARISON: 05/16/2017

FINDINGS:

Bilateral hip arthroplasties are noted. Postsurgical changes in the left upper identified. No acute complication is seen.

Procedure Note

Brandon Grusd, MD, JD - 10/23/2017
Formatting of this note might be different from the original.
EXAMINATION: X-RAY PELVIS 1 VIEW

DATE/TIME: 10/23/2017 10:43 AM

HISTORY: Status post hip arthroplasty

COMPARISON: 05/16/2017

FINDINGS:

Bilateral hip arthroplasties are noted. Postsurgical changes in the left upper identified. No acute complication is seen.

IMPRESSION:

IMPRESSION: Interval left hip arthroplasty. No acute complication identified

CC Dr: p: f:

Authorizing Provider	Result Type	Result Status
Stephen Sizer DO	IMG DIAGNOSTIC IMAGING PROCEDURES	Final Result

ABO/RH CONFIRMATION - Final result (10/23/2017 6:10 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Blood Bank Report	TORREY PINES				GREEN LAB	
Blood group and Rh	A POSITIVE			10/23/2017 7:51 AM PDT	GREEN LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Blood specimen (specimen)	Venous blood / Unknown		10/23/2017 6:10 AM PDT	10/23/2017 6:16 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Stephen Sizer DO	LAB BLOOD BANK TEST ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
GREEN LAB	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775

TYPE & SCREEN (TYPE AND SCREEN) - Final result (10/23/2017 6:05 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Blood Bank Report	TORREY PINES				GREEN LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Arm Band Number	ABJ6861			10/23/2017 7:51 AM PDT	GREEN LAB	
Blood group and Rh	A POSITIVE			10/23/2017 7:51 AM PDT	GREEN LAB	
Antibody Screen	Negative			10/23/2017 7:51 AM PDT	GREEN LAB	
XM Expiration Date	10/26/2017			10/23/2017 7:51 AM PDT	GREEN LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood specimen (specimen)	Venous blood / Unknown			10/23/2017 6:05 AM PDT		10/23/2017 6:16 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Stephen Sizer DO	LAB BLOOD BANK TEST ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
GREEN LAB	10666 North Torrey Pines Rd		La Jolla, CA 92037	858-554-8775		

12-LEAD ECG - Final result (10/13/2017 12:34 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
VENTRICULAR RATE EKG/MIN	70	BPM			FOUNDATION RADIOLOGY SYSTEM	
ATRIAL RATE	70	BPM			FOUNDATION RADIOLOGY SYSTEM	
PR-INTERVAL (MSEC)	150	ms			FOUNDATION RADIOLOGY SYSTEM	
QRS-INTERVAL (MSEC)	78	ms			FOUNDATION RADIOLOGY SYSTEM	
QT-INTERVAL (MSEC)	404	ms			FOUNDATION RADIOLOGY SYSTEM	
QTC	436	ms			FOUNDATION RADIOLOGY SYSTEM	
P AXIS	68	degrees			FOUNDATION RADIOLOGY SYSTEM	
R AXIS	60	degrees			FOUNDATION RADIOLOGY SYSTEM	
T AXIS	55	degrees			FOUNDATION RADIOLOGY SYSTEM	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/13/2017 12:34 PM PDT	10/14/2017 4:44 PM PDT

Impressions

FOUNDATION RADIOLOGY SYSTEM - 10/14/2017 4:44 PM PDT

Normal sinus rhythm

Normal ECG

When compared with ECG of 29-SEP-2015 14:21,

No significant change was found

Narrative

This result has an attachment that is not available.

Procedure Note

Todd Hitchcock, MD - 10/14/2017

Formatting of this note might be different from the original.

IMPRESSION:

Normal sinus rhythm

Normal ECG

When compared with ECG of 29-SEP-2015 14:21,

No significant change was found

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	ECG ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
FOUNDATION RADIOLOGY SYSTEM		US	

MRSA CULTURE (MRSA CULTURE SCREEN) - Final result (10/13/2017 12:30 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Special Requests	Nasopharynx			10/13/2017 7:55 PM PDT	CENTRAL LAB - OP	
Culture	NO Methicillin/ Oxacillin Resistant Staphylococcus aureus Isolated			10/14/2017 7:32 PM PDT	CENTRAL LAB - OP	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Swab (specimen)	Nasopharyngeal structure / Unknown		10/13/2017 12:30 PM PDT	10/13/2017 12:31 PM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	LAB MICROBIOLOGY - GENERAL ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

CBC AND DIFFERENTIAL ORDER (CBC WITH AUTO DIFFERENTIAL) - Final result (10/13/2017 12:28 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	7.4	3.8 - 11.0 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
RBC	4.49	4.5 - 5.9 M/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Hgb	13.4	13.5 - 17.5 g/dL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
HCT	40.1	41 - 53 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
MCV	89	80 - 100 fL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
MCH	30	26 - 34 pg		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
MCHC	33	31 - 36 g/dL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
RDW	13.2	10.5 - 13.5 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
PLT	252	150 - 450 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Prelim Abs Neut Ct	4.35	1.8 - 7.7 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Diff Type	Auto			10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Neutrophils	58.4	44 - 70 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Lymphocytes	34.3	25 - 46 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Monocytes	5.7	1 - 12 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Eosinophils	0.9	0 - 8 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Basophils	0.7	0 - 2 %		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Abs. Neut Ct.	4.35	1.8 - 7.7 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Abs. Lymph Ct.	2.55	1.0 - 5.0 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Abs. Mono Ct.	0.43	0 - 0.8 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Abs. Eos Ct.	0.06	0 - 0.5 K/mcL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Abs. Baso Ct.	0.05	0 - 0.2 K/ mCL		10/13/2017 1:40 PM PDT	GREEN LAB-OP	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
Blood specimen (specimen)	Venous blood / Unknown			10/13/2017 12:28 PM PDT	10/13/2017 12:29 PM PDT	
Narrative						
Authorizing Provider	Result Type	Result Status				
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
GREEN LAB-OP	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775			

COMPREHENSIVE METABOLIC PANEL - Final result (10/13/2017 12:28 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	143	137 - 145 mmol/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Potassium	4.6	3.5 - 5.1 mmol/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Chloride	99	98 - 107 mmol/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
CO2 Content	30	22 - 30 mmol/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Glucose	96	70 - 125 mg/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Comment: For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below: 70-99 mg/dL: Normal 100-125 mg/dL: Impaired Fasting Glucose >125 mg/dL: Diabetes* *In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.						
Urea Nitrogen,Blood	14	9 - 20 mg/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Creatinine, Serum	0.7	0.7 - 1.3 mg/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Osmo Calc	296	280 - 305 mOs/Kg H2O		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Albumin	4.6	3.5 - 5.0 g/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Protein, Total	8.9	6.3 - 8.2 g/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Calcium	10.1	8.4 - 10.2 mg/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Alk Phos	61	38 - 126 Units/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
AST	27	17 - 59 Units/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Bilirubin, Total	0.4	0.2 - 1.3 mg/dL		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Anion Gap	14	6 - 14 mmol/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
ALT	40	21 - 72 Units/L		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
GFR Calc,Non-African	>60	>60 mL/mn/1.73m2		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
GFRA Calc,African	>60	>60 mL/mn/1.73m2		10/13/2017 1:50 PM PDT	GREEN LAB-OP	
Comment: This estimated GFR calculation is not suitable for medication dosing.						

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Serum specimen (specimen)	Venous blood / Unknown		10/13/2017 12:28 PM PDT	10/13/2017 12:29 PM PDT
Narrative				

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
GREEN LAB-OP	10666 North Torrey Pines Rd	La Jolla, CA 92037	858-554-8775

CORTISOL POST DEXAMETHASONE - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Cortisol Post Dex.	5.7	<5.0 mcg/dL		08/04/2017 5:56 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TESTOSTERONE, BIOAVAILABLE - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sex Hormone Binding Globulin	35	11 - 80 nmol/L		08/08/2017 7:25 AM PDT	CENTRAL LAB - OP	
Comment: (NOTE) REFERENCE INTERVAL: Sex Hormone Binding Globulin Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).						
Testosterone,Total	728	300 - 890 ng/dL		08/08/2017 7:25 AM PDT	CENTRAL LAB - OP	
Comment: (NOTE) REFERENCE INTERVAL: Testosterone, LC-MS/MS 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						
Testosterone,Bioavailable	395.2	130.0 - 680.0 ng/dL		08/08/2017 7:25 AM PDT	CENTRAL LAB - OP	
Comment: (NOTE) REFERENCE INTERVAL: Testosterone LC-MS, Bioavailable Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).						
Testosterone, Free	141.7	47.0 - 244.0 pg/mL		08/08/2017 7:25 AM PDT	CENTRAL LAB - OP	
Comment: (NOTE) To convert to pmol/L, multiply pg/mL by 3.47 The concentration of Free and Bioavailable Testosterone are derived from mathematical expressions based on constants for the binding of testosterone to albumin and/or sex hormone binding globulin. REFERENCE INTERVAL: Testosterone, Free LC-MS/MS 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 Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Julio Delgado, MD, Lab. Director						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
Serum specimen (specimen)	Venous blood / Unknown		08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT		

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

IRON +TIBC (IRON AND TIBC) - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Iron, Total	36	65 - 175 mcg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Transferrin	259	200 - 360 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
TIBC Calc	324	250 - 450 mcg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Iron Saturation	11	20 - 50 %		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Serum specimen (specimen)	Venous blood / Unknown		08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

VITAMIN D 25 HYDROXY - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Vit D 25-Hydroxy	32.7	30 - 100 ng/mL		08/04/2017 5:57 PM PDT	CENTRAL LAB - OP	

Comment:

Deficiency
Insufficiency
optimum Level
Possible Toxicity

<20
20 - 29.9
30 - 100
>100

ng/mL
ng/mL
ng/mL
ng/mL

** No pediatric range established **

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Serum specimen (specimen)	Venous blood / Unknown		08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

PROLACTIN - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Prolactin	3.1	2.1 - 17.7 ng/mL		08/04/2017 5:56 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

CBC AND DIFFERENTIAL ORDER (CBC WITH AUTO DIFFERNTIAL) - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	6.7	3.8 - 11.0 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
RBC	4.38	4.5 - 5.9 M/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Hgb	13.0	13.5 - 17.5 g/dL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
HCT	40.0	41 - 53 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
MCV	91	80 - 100 fL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
MCH	30	26 - 34 pg		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
MCHC	33	31 - 36 g/dL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
RDW	13.1	10.5 - 13.5 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
PLT	327	150 - 450 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Prelim Abs Neut Ct	4.21	1.8 - 7.7 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Diff Type	Auto			08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Neutrophils	62.7	44 - 70 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Lymphocytes	29.9	25 - 46 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Monocytes	5.3	1 - 12 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Eosinophils	1.4	0 - 8 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Basophils	0.7	0 - 2 %		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Abs. Neut Ct.	4.21	1.8 - 7.7 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Abs. Lymph Ct.	2.01	1.0 - 5.0 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Abs. Mono Ct.	0.36	0 - 0.8 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Abs. Eos Ct.	0.10	0 - 0.5 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Abs. Baso Ct.	0.05	0 - 0.2 K/mcL		08/04/2017 6:22 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Blood specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Kelli Karches MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

TSH (THYROID STIMULATING HORMONE) - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stim.Hormone	2.880	0.358 - 3.800 mIU/mL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Serum specimen (specimen)			08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT
Narrative				
Authorizing Provider	Result Type	Result Status		
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result		
Performing Organization	Address	City/State/ZIP Code	Phone Number	
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Free T4 (EIA)	1.14	0.76 - 1.46 ng/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time	Received Time	
Serum specimen (specimen)				08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT	
Narrative						
Authorizing Provider	Result Type		Result Status			
Kelli Karches MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Prostate Specific Ag	0.49	0.00 - 3.50 ng/mL		08/04/2017 5:56 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Kelli Karches MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Phosphorus	3.2	2.2 - 4.1 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		

FERRITIN - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Ferritin	60.5	26.0 - 388.0 ng/mL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT		08/04/2017 2:01 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		

LIPID PANEL (LIPID PANEL WITH CALC LDL) - Final result (08/04/2017 2:00 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Cholesterol	135	<200 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Comment: Desirable <200 mg/dL Borderline high 200-239 mg/dL High >239 mg/dL .						
Triglyceride	79	<150 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment:						
Normal	<150	mg/dL				
Borderline high	150-199	mg/dL				
High	200-499	mg/dL				
Very high	>499	mg/dL				
.						
HDL Cholesterol	57	30 - 70 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Comment:						
Low	<40	mg/dL				
High	>59	mg/dL				
.						
LDL Calc	62	<130 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Comment:						
optimal	<100	mg/dL				
Above optimal	100-129	mg/dL				
Borderline high	130-159	mg/dL				
High	160-189	mg/dL				
Very high	>189	mg/dL				
.						
Reference Comment	.			08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Comment:						
Reference ranges are derived from the clinical practice ATPIII Guidelines of the National Cholesterol Education Program (NCEP) for the prevention and management of high cholesterol in adults (September 2002).						
The relationship between levels of LDL cholesterol and Coronary Heart Disease is continuous over a broad range of LDL levels. A reduction in Cholesterol, Triglycerides and LDL levels has been associated with a reduced risk of CHD.						
http://www.nhlbi.nih.gov/guidelines/cholesterol/index.htm						
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time	Received Time	
Serum specimen (specimen)	Venous blood / Unknown			08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT	
Narrative						
Authorizing Provider	Result Type		Result Status			
Kelli Karches MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
CENTRAL LAB - OP	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		
COMPREHENSIVE METABOLIC PANEL - Final result (08/04/2017 2:00 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	138	136 - 146 mmol/L		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Potassium	4.2	3.5 - 5.1 mmol/L		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Chloride	103	98 - 107 mmol/L		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
CO2 Content	30	22 - 32 mmol/L		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Glucose	90	70 - 125 mg/dL		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Comment: For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below: 70-99 mg/dL: Normal 100-125 mg/dL: Impaired Fasting Glucose >125 mg/dL: Diabetes* *In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.						
Urea Nitrogen,Blood	12	7 - 21 mg/dL		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Creatinine, Serum	0.9	0.7 - 1.3 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Osmo Calc	285	280 - 305 mOs/Kg H2O		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Albumin	3.8	3.3 - 5.0 g/dL		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Protein, Total	9.3	6.3 - 8.2 g/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Calcium	9.1	8.4 - 10.3 mg/dL		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
Alk Phos	66	38 - 126 Units/L		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
AST	15	15 - 37 Units/L		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Bilirubin, Total	0.2	0.1 - 1.2 mg/dL		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
Anion Gap	5	6 - 14 mmol/L		08/04/2017 5:42 PM PDT	CENTRAL LAB - OP	
ALT	32	16 - 63 Units/L		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
GFR Calc,Non-African	>60	>60 mL/mn/ 1.73m2		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	
GFRA Calc,African	>60	>60 mL/mn/ 1.73m2		08/04/2017 5:49 PM PDT	CENTRAL LAB - OP	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
Serum specimen (specimen)			08/04/2017 2:00 PM PDT	08/04/2017 2:01 PM PDT
Narrative				
Authorizing Provider	Result Type	Result Status		
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result		
Performing Organization	Address	City/State/ZIP Code	Phone Number	
CENTRAL LAB - OP	9535 Waples St.,150	San Diego, CA 92121	858-554-9552	
X-ray hip with and without pelvis right 2-3 views (X-RAY HIP WITH AND WITHOUT PELVIS RIGHT 2-3 VIEWS) - Final result (05/16/2017 2:01 PM PDT)				
Anatomical Region	Laterality	Modality		
Hip	Right	Radiographic Imaging		
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			05/16/2017 2:01 PM PDT	
Narrative				
05/16/2017 3:11 PM PDT Scripps Mercy Hospital Radiology Imaging Center 4077 Fifth Avenue, San Diego, CA 92103 Telephone: 619-260-7036 Fax: 619-260-7326				
Patient Name: ASBAGHI, HOOMAN A		Medical		
Record #: 603771342				
Accession #: 285684991		Patient Type: Out		
Acct #: 920242401		Exam Date: 5/16/2017		
Birth Date: 1/04/1966		Patient Location: Patient Age: 51		
Time: 14:01		Sex: M Exam		
Referring Doctor: RICHARD HUGH H WALKER MD				
Contrast or Isotope, if given (Agent/Dose-ml/Tech): Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:				
PROCEDURE: HIP WITH OR WITHOUT PELVIS 2-3 VIEWS RIGHT				
COMPARISON: None.				
INDICATIONS: Right hip pain				
FINDINGS:				
BONES: Total right hip arthroplasty with anatomic alignment. No bony or hardware complication.				
SOFT TISSUES: Negative. No visible soft tissue swelling.				
OTHER: Negative.				
CONCLUSION: Satisfactory appearance of the hip arthroplasty.				
Dictated and electronically authenticated by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 15:11				
Proofread by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 15:11				
Procedure Note				
Michael Tobin, MD - 05/16/2017				

Procedure Note

Formatting of this note might be different from the original.

Scripps Mercy Hospital
Radiology Imaging Center
4077 Fifth Avenue, San Diego, CA 92103
Telephone: 619-260-7036
Fax: 619-260-7326

Patient Name: ASBAGHI, HOOMAN A Medical
Record #: 603771342

Accession #: 285684991 Patient Type: Out
Acct #: 920242401 Exam Date: 5/16/2017 Patient Location:
Birth Date: 1/04/1966 Patient Age: 51 Sex: M Exam
Time: 14:01
Referring Doctor: RICHARD HUGH H WALKER MD

Contrast or Isotope, if given (Agent/Dose-ml/Tech):
Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:

PROCEDURE: HIP WITH OR WITHOUT PELVIS 2-3 VIEWS RIGHT

COMPARISON: None.

INDICATIONS: Right hip pain

FINDINGS:
BONES: Total right hip arthroplasty with anatomic alignment. No bony or hardware complication.
SOFT TISSUES: Negative. No visible soft tissue swelling.
OTHER: Negative.

CONCLUSION: Satisfactory appearance of the hip arthroplasty.

Dictated and electronically authenticated by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 15:11
Proofread by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 15:11

Authorizing Provider	Result Type	Result Status
Richard Walker MD	IMG DIAGNOSTIC IMAGING PROCEDURES	Final Result

X-ray hip with and without pelvis left 2-3 views (X-RAY HIP WITH AND WITHOUT PELVIS LEFT 2-3 VIEWS) - Final result (05/16/2017 2:01 PM PDT)

Anatomical Region	Laterality	Modality		
Hip	Left	Radiographic Imaging		
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			05/16/2017 2:01 PM PDT	

Narrative
05/16/2017 2:49 PM PDT

Narrative

Scripps Mercy Hospital
Radiology Imaging Center
4077 Fifth Avenue, San Diego, CA 92103
Telephone: 619-260-7036
Fax: 619-260-7326

Patient Name: ASBAGHI, HOOMAN A Medical
Record #: 603771342

Accession #: 285684974 Patient Type: Out
Acct #: 920242401 Exam Date: 5/16/2017 Patient Location:
Birth Date: 1/04/1966 Patient Age: 51 Sex: M Exam
Time: 14:01
Referring Doctor: RICHARD HUGH H WALKER MD

Contrast or Isotope, if given (Agent/Dose-ml/Tech):
Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:

PROCEDURE: HIP WITH OR WITHOUT PELVIS 2-3 VIEWS LEFT

COMPARISON: None.

INDICATIONS: Left hip pain

FINDINGS:

BONES: There is normal with no fracture or dislocation. Moderately severe hip joint narrowing with mild to moderate marginal osteophytes. Right hip arthroplasty is noted.

SOFT TISSUES: Negative. No visible soft tissue swelling.

OTHER: Negative.

CONCLUSION: Osteoarthritis of the left hip.

Dictated and electronically authenticated by: MICHAEL L. TOBIN, M.D. on
5/16/2017 at 14:49
Proofread by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 14:49

Procedure Note

Michael Tobin, MD - 05/16/2017

Procedure Note

Formatting of this note might be different from the original.

Scripps Mercy Hospital
Radiology Imaging Center
4077 Fifth Avenue, San Diego, CA 92103
Telephone: 619-260-7036
Fax: 619-260-7326

Patient Name: ASBAGHI, HOOMAN A Medical
Record #: 603771342

Accession #: 285684974 Patient Type: Out
Acct #: 920242401 Exam Date: 5/16/2017 Patient Location:
Birth Date: 1/04/1966 Patient Age: 51 Sex: M Exam
Time: 14:01
Referring Doctor: RICHARD HUGH H WALKER MD

Contrast or Isotope, if given (Agent/Dose-ml/Tech):
Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:

PROCEDURE: HIP WITH OR WITHOUT PELVIS 2-3 VIEWS LEFT

COMPARISON: None.

INDICATIONS: Left hip pain

FINDINGS:
BONES: There is normal with no fracture or dislocation. Moderately severe hip joint narrowing with mild to moderate marginal osteophytes. Right hip arthroplasty is noted.
SOFT TISSUES: Negative. No visible soft tissue swelling.
OTHER: Negative.

CONCLUSION: Osteoarthritis of the left hip.

Dictated and electronically authenticated by: MICHAEL L. TOBIN, M.D. on
5/16/2017 at 14:49
Proofread by: MICHAEL L. TOBIN, M.D. on 5/16/2017 at 14:49

Authorizing Provider	Result Type	Result Status
Richard Walker MD	IMG DIAGNOSTIC IMAGING PROCEDURES	Final Result

MRI hip left without contrast (MRI HIP LEFT WITHOUT CONTRAST) - Final result (04/21/2017 2:55 PM PDT)

Anatomical Region	Laterality	Modality
Hip	Left	Magnetic Resonance

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			04/21/2017 2:55 PM PDT	

Narrative

04/22/2017 10:45 AM PDT

Narrative

Scripps Mercy Hospital
Radiology Imaging Center
4077 Fifth Avenue, San Diego, CA 92103
Telephone: 619-260-7036
Fax: 619-260-7326

Patient Name: ASBAGHI, HOOMAN A
Record #: 603771342

Medical

Accession #: 283605511 Patient Type: Out
Acct #: 920207883 Exam Date: 4/21/2017 Patient Location:
Birth Date: 1/04/1966 Patient Age: 51 Sex: M Exam
Time: 14:55
Referring Doctor: RICHARD HUGH H WALKER MD

Contrast or Isotope, if given (Agent/Dose-ml/Tech):
Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:

PROCEDURE: MRI LEFT HIP WITHOUT CONTRAST

COMPARISON: Scripps Mercy Hospital, DX, BONE DENSITY SPINE HIP DEXA,
7/18/2016, 11:44.

INDICATIONS: Left hip pain

TECHNIQUE: A comprehensive examination was performed utilizing a variety of
imaging planes and imaging parameters to optimize visualization of suspected
pathology. Images were performed without contrast.

LEFT HIP FINDINGS:

FEMORAL HEAD: T1 and T2 hypointense lines and patchy edema in the left
femoral head and neck, most consistent with avascular necrosis. There is no
significant collapse of the weight-bearing portion of the left femoral head.
There is patchy marrow edema in the left acetabulum, which is likely reactive.
Patient is undergone prior total hip replacement on the right.

ACETABULUM: As above.

CARTILAGE: Mild diffuse cartilage loss superiorly.

OTHER BONES: Normal appearance of the visualized portion of the pelvis.

LABRUM: Normal appearance for a patient in this age group, with no visible
tear.

EFFUSIONS: Small left hip effusion.

BURSAE: Normal. No evidence of iliopsoas or trochanteric bursitis.

TENDONS: Normal. Normal gluteus tendons, iliopsoas tendon, and hamstring
origin.

MUSCLES: Edema is present in the left hip abductor muscles and also in the
distal left iliopsoas muscle consistent with either reactive edema or muscle
strains.

OTHER: Negative.

CONCLUSION: Extensive avascular necrosis of the left femoral head with
probable reactive edema in the left femoral neck and left acetabulum. Reactive
edema versus muscle strains of the left hip adductor muscles and iliopsoas
muscle.

Dictated and electronically authenticated by: GARY SPOTO M.D. on 4/22/2017 at
10:45

Proofread by: GARY SPOTO M.D. on 4/22/2017 at 10:45

Procedure Note

Gary Spoto, MD - 04/22/2017

Procedure Note

Formatting of this note might be different from the original.

Scripps Mercy Hospital
Radiology Imaging Center
4077 Fifth Avenue, San Diego, CA 92103
Telephone: 619-260-7036
Fax: 619-260-7326

Patient Name: ASBAGHI, HOOMAN A Medical
Record #: 603771342

Accession #: 283605511 Patient Type: Out
Acct #: 920207883 Exam Date: 4/21/2017 Patient Location:
Birth Date: 1/04/1966 Patient Age: 51 Sex: M Exam
Time: 14:55
Referring Doctor: RICHARD HUGH H WALKER MD

Contrast or Isotope, if given (Agent/Dose-ml/Tech):
Rad Dose: CTDIvol (mGy)/DLP (mGy-cm), or Fluoroscopy Time:

PROCEDURE: MRI LEFT HIP WITHOUT CONTRAST

COMPARISON: Scripps Mercy Hospital, DX, BONE DENSITY SPINE HIP DEXA,
7/18/2016, 11:44.

INDICATIONS: Left hip pain

TECHNIQUE: A comprehensive examination was performed utilizing a variety of
imaging planes and imaging parameters to optimize visualization of suspected
pathology. Images were performed without contrast.

LEFT HIP FINDINGS:

FEMORAL HEAD: T1 and T2 hypointense lines and patchy edema in the left
femoral head and neck, most consistent with avascular necrosis. There is no
significant collapse of the weight-bearing portion of the left femoral head.
There is patchy marrow edema in the left acetabulum, which is likely reactive.
Patient is undergone prior total hip replacement on the right.

ACETABULUM: As above.

CARTILAGE: Mild diffuse cartilage loss superiorly.

OTHER BONES: Normal appearance of the visualized portion of the pelvis.

LABRUM: Normal appearance for a patient in this age group, with no visible
tear.

EFFUSIONS: Small left hip effusion.

BURSAE: Normal. No evidence of iliopsoas or trochanteric bursitis.

TENDONS: Normal. Normal gluteus tendons, iliopsoas tendon, and hamstring
origin.

MUSCLES: Edema is present in the left hip abductor muscles and also in the
distal left iliopsoas muscle consistent with either reactive edema or muscle
strains.

OTHER: Negative.

CONCLUSION: Extensive avascular necrosis of the left femoral head with
probable reactive edema in the left femoral neck and left acetabulum. Reactive
edema versus muscle strains of the left hip adductor muscles and iliopsoas
muscle.

Dictated and electronically authenticated by: GARY SPOTO M.D. on 4/22/2017 at
10:45

Proofread by: GARY SPOTO M.D. on 4/22/2017 at 10:45

Authorizing Provider	Result Type	Result Status
Richard Walker MD	IMG MRI PROCEDURES	Final Result

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hours		10/15/2016 7:31 PM PDT	CENTRAL LAB	
Total Volume	1,400	mls		10/15/2016 7:31 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/15/2016 12:13 PM PDT	10/15/2016 12:13 PM PDT	

Narrative

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB URINE ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TIME/VOLUME URINE - Final result (10/15/2016 12:13 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hours		10/15/2016 7:31 PM PDT	CENTRAL LAB	
Total Volume	1,400	mls		10/15/2016 7:31 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/15/2016 12:13 PM PDT	10/15/2016 12:13 PM PDT	

Narrative

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB URINE ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

VANILLYLMANDELIC ACID (VMA), URINE (VMA - VANILLYLMANDELIC ACID, URINE) - Final result (10/15/2016 12:13 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hr		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Total Volume	1,400	mL		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/dL	67	mg/dL		10/20/2016 8:58 AM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Creatinine,Ur mg/day	938	1,000 - 2,500 mg/d		10/20/2016 8:58 AM PDT	CENTRAL LAB	
VMA, 24Hr	1.8	0.0 - 7.0 mg/d		10/20/2016 8:58 AM PDT	CENTRAL LAB	
VMA Interpretation	See Note			10/20/2016 8:58 AM PDT	CENTRAL LAB	
<p>Comment: (NOTE) INTERPRETIVE INFORMATION: Vanillylmandelic Acid (VMA), Urine Vanillylmandelic acid (VMA) results are expressed as a ratio to creatinine excretion (mg/g CRT). VMA mass per day (mg/d) is not reported on specimens from patients younger than 18 years of age, or for random specimens, urine collection periods other than 24 hours, or urine volumes less than 400 mL/d. No reference interval is available for results reported in units of mg/L. Slight or moderate increases in catecholamine metabolites may be due to extreme anxiety, essential hypertension, intense physical exercise, or drug interactions. Significant increase of one or more catecholamine metabolites (several times the upper reference limit) is associated with an increased probability of a secreting neuroendocrine tumor. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS</p>						
VMA, mg/g crt	2	0 - 6 mg/gCR		10/20/2016 8:58 AM PDT	CENTRAL LAB	
<p>Comment: (NOTE) REFERENCE INTERVAL: VMA, Urine mg/g CRT 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</p>						
VMA Per Volume mg/L	1.3	mg/L		10/20/2016 8:58 AM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time	Received Time	
				10/15/2016 12:13 PM PDT	10/15/2016 12:13 PM PDT	
Narrative						
Authorizing Provider	Result Type		Result Status			
Geoffrey Sheean MD	LAB URINE ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
CENTRAL LAB	9535 Waples St.,150		San Diego, CA 92121	858-554-9552		

METANEPHRINES FRACTIONATED, URINE (METANEPHRINES, URINE) - Final result (10/15/2016 12:13 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hr		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Total Volume	1,400	mL		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/dL	67	mg/dL		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/day	938	1,000 - 2,500 mg/d		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Comment: (NOTE) Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						
Metanephrine per 24H	106	62 - 207 ug/d		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Normetanephrine per 24H	279	125 - 510 ug/d		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Interpretation	See Note			10/19/2016 4:52 PM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment: (NOTE) TEST INFORMATION: Metanephrines Fractionated, Urine The optimal specimen for this testing is a 24-hour urine collection. Per-day calculations are not reported for patients younger than 7 years of age and for the following specimen types: a random collection, a collection with duration of less than 20 hours, a collection with duration of greater than 28 hours, or a collection with total volume less than 400 mL (if 18 years of age or older) or greater than 5000 mL (all ages). Ratios to creatinine may be useful for these evaluations. Smaller increases in metanephrine and/or normetanephrine concentrations (less than two times the upper reference limit) usually are the result of physiological stimuli, drugs, or improper specimen collection. Essential hypertension is often associated with slight elevations (metanephrine less than 400 ug/d and normetanephrine less than 900 ug/d). Elevated concentrations may be due to intense physical activity, life-threatening illness, and drug interferences. Significant elevation of one or both metanephrines (three or more times the upper reference limit) is associated with an increased probability of a neuroendocrine tumor. Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com). See Compliance statement B: www.aruplab.com/CS						
Metanephrine ug/g CRT	113	0 - 300 ug/g CRT		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Normetanephrine ug/g CRT	297	0 - 400 umol/mol CRT		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Metanephrine-per vol ug/L	76	ug/L		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Normetanephrine-per vol ug/L	199	ug/L		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				10/15/2016 12:13 PM PDT		10/15/2016 12:13 PM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB URINE ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hr		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Total Volume	1,400	mL		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/dL	67	mg/dL		10/19/2016 6:42 AM PDT	CENTRAL LAB	
Creatinine,Ur mg/day	938	1,000 - 2,500 mg/d		10/19/2016 6:42 AM PDT	CENTRAL LAB	
Comment: (NOTE) Performed by ARUP Laboratories, 500 Chipeta Way, SLC,UT 84108 800-522-2787 www.aruplab.com , Jerry W. Hussong, MD, Lab. Director						
Arsenic,Ur ug/L	<10.0	0.0 - 35.0 ug/L		10/19/2016 6:42 AM PDT	CENTRAL LAB	
Comment: (NOTE) INTERPRETIVE INFORMATION: Arsenic, Urine w/ Reflex to Fractionated The ACGIH Biological Exposure Index (BEI) for arsenic in urine is 35 ug/L. The ACGIH BEI is based on the sum of inorganic and methylated species. For specimens with a total arsenic concentration of 35 to 2000 ug/L, fractionation is automatically performed to determine the proportions of inorganic, methylated and organic species. It may be appropriate to request fractionation for specimens with total arsenic greater than 30 ug/gCRT despite a total arsenic concentration less than 35 ug/L. If low-level chronic poisoning is suspected, the ug/gCRT ratio may be a more sensitive indicator of arsenic exposure than the total arsenic concentration. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS						
Arsenic,Ur ug/day	Not Applicable	0.0 - 50.0 ug/d		10/19/2016 6:42 AM PDT	CENTRAL LAB	
Arsenic,Ur Ug/gCRT	Not Applicable	ug/g CRT		10/19/2016 6:42 AM PDT	CENTRAL LAB	
Comment: Reference range: 0.0 to 29.9 (NOTE) unable to accurately calculate the creatinine normalized result due to a low per volume result.						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				10/15/2016 12:13 PM PDT		10/15/2016 12:13 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB URINE ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

5-HYDROXYINDOLEACETIC ACID (HIAA), URINE (5 HIAA, URINE, QUANTITATIVE, 24 HOUR) - Final result (10/15/2016 12:13 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Hours Of Collection	24	hr		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Total Volume	1,400	mL		10/15/2016 7:15 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/dL	68	mg/dL		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Creatinine,Ur mg/day	952	1,000 - 2,500 mg/d		10/19/2016 4:52 PM PDT	CENTRAL LAB	
5HIAA	2.4	mg/L		10/19/2016 4:52 PM PDT	CENTRAL LAB	
5HIAA	3	0 - 15 mg/d		10/19/2016 4:52 PM PDT	CENTRAL LAB	
Interpretation	See Note			10/19/2016 4:52 PM PDT	CENTRAL LAB	

Comment:
(NOTE)

INTERPRETIVE INFORMATION: 5-Hydroxyindoleacetic Acid (HIAA), Urine
5-Hydroxyindoleacetic acid (5-HIAA) results are expressed as a ratio to creatinine excretion (mg/g CRT). HIAA mass per day (mg/d) is not reported if urine collection is random or other than 24 hours, or if urine volume less than 400 mL/d. No reference interval is available for results reported in units of mg/L. Increased urine 5-HIAA concentration is common and may be the result of improper specimen collection, consumption of serotonin containing foods or dietary supplements, drug interference, or malabsorption syndromes. Significant elevation (ten times the upper reference limit) of urine 5-HIAA may indicate the presence of a carcinoid tumor. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director

5HIAA, mg/gcr	4	0 - 14 mg/gCR		10/19/2016 4:52 PM PDT	CENTRAL LAB	
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Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			10/15/2016 12:13 PM PDT	10/15/2016 12:13 PM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB URINE ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
CELIAC PLUS TO PROMETHEUS - Final result (10/13/2016 2:20 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Celiac Plus To Prometheus	Celiac disease unlikely. Does not preclude development of the disease.			10/21/2016 2:19 PM PDT	CENTRAL LAB	
Comment: See Reference Lab Report for Interpretive Information.						
Prometheus Laboratories, Inc. Medical Director: Curtis A. McGuyer MD 9410 Carroll Park Dr. San Diego CA 92121						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
CATECHOLAMINES, FRACTIONATED, PLASMA - Final result (10/13/2016 2:20 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Epinephrine	29	10 - 200 pg/mL		10/17/2016 7:18 AM PDT	CENTRAL LAB	
Norepinephrine	464	80 - 520 pg/mL		10/17/2016 7:18 AM PDT	CENTRAL LAB	
Dopamine	26	<20 pg/ mL		10/17/2016 7:18 AM PDT	CENTRAL LAB	
Comment: Reference range: 0 to 20						
Interpretation	See Note			10/17/2016 7:18 AM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment: (NOTE) INTERPRETIVE INFORMATION: Catecholamines Panel, Plasma Small increases in catecholamines (less than 2 times the upper reference limit) usually are the result of physiological stimuli, drugs, or improper specimen collection. Significant elevation of one or more catecholamines (2 or more times the upper reference limit) is associated with an increased probability of a neuroendocrine tumor. Measurement of plasma or urine fractionated metanephrines provides better diagnostic sensitivity than measurement of catecholamines. Higher catecholamine concentrations are observed in specimens collected from upright or standing adults. Epinephrine may be increased by approximately 20 percent; norepinephrine up to 700 pg/mL; dopamine, unchanged. Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

THYROID PEROXIDASE AB (THYROID PEROXIDASE ANTIBODY) - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Peroxidase Ab	>13,000.0	<60.1 U/mL		10/14/2016 1:19 PM PDT	CENTRAL LAB	

Comment: Checked by repeat.

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

METHYLMALONIC ACID (METHYLMALONIC ACID, SERUM) - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Methylmalonic Acid	0.10	0.00 - 0.40 umol/L		10/16/2016 12:20 PM PDT	CENTRAL LAB	
Comment: (NOTE) INTERPRETIVE INFORMATION: MMA Serum/Plasma, Vitamin B12 Status Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta Way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT
Narrative				

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

COPPER (COPPER, SERUM) - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Copper, Blood	120	70 - 140 ug/dL		10/15/2016 12:54 PM PDT	CENTRAL LAB	
Comment: (NOTE) Serum copper may be elevated with infection, inflammation, stress, and copper supplementation. Serum copper may be reduced by use of corticosteroids and zinc and by malnutrition or malabsorption. REFERENCE INTERVAL: Copper, Serum or Plasma 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 Performed by ARUP Laboratories, 500 Chipeta Way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT
Narrative				

Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
MTHFR 2 VARIANTS, PCR (MTHFR MUTATION, PCR) - Final result (10/13/2016 2:20 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
MTHFR Mutation: 677C>T	Heterozygous	Negative for mutation		10/14/2016 1:58 PM PDT	CENTRAL LAB	
MTHFR Mutation: 1298A>C	Heterozygous	Negative for mutation		10/14/2016 1:58 PM PDT	CENTRAL LAB	
Comment:						
INTERPRETATION: Compound Heterozygous MTHFR 677C>T/1298A>C: Once copy of each of the MTHFR gene mutations tested, 677C>T and 1298A>C, were detected. This genotype is associated with a poor metabolizer phenotype characterized by increased plasma homocysteine levels. This individual is at an increased risk for arteriosclerotic coronary disease and venous thrombosis as well as for toxicity from medications affecting folate metabolism.						
INCIDENCE: The allele frequency of 677C>T is 0.35 in European Caucasians and 0.12 in African Americans.						
The allele frequency of 1298A>C is 0.31 in European Caucasians and 0.15 in African Americans.						
MUTATIONS TESTED: 677C>T and 1298A>C						
METHODOLOGY:Multiplex PCR with analysis by GenMark Dx eSensor XT						
LIMITATIONS: Only the two MTHFR gene mutations (C677T and A1298C) will be targeted.						
Diagnostic errors can occur due to rare sequence variations.						
COUNSELING: Patients receiving genetic testing should consider genetic counseling. Counseling of potentially affected family members may also be warranted.						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
GLUTAMIC ACID DECARBOXYLASE - Final result (10/13/2016 2:20 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Glutamic Acid Decarboxylase Ab	<5.0	0.0 - 5.0 U/mL		10/17/2016 7:18 AM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment: (NOTE) INTERPRETIVE INFORMATION: Glutamic Acid Decarboxylase Antibody A value greater than 5.0 IU/mL is considered positive for Glutamic Acid Decarboxylase Antibody. Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
10/13/2016 2:20 PM PDT 10/13/2016 7:47 PM PDT						
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
ZINC (ZINC, SERUM) - Final result (10/13/2016 2:20 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Zinc, Serum	66	60 - 120 ug/dL		10/15/2016 12:54 PM PDT	CENTRAL LAB	
Comment: (NOTE) INTERPRETIVE INFORMATION: Zinc, Serum or Plasma Circulating zinc concentrations are dependent on albumin status and are depressed with malnutrition. Zinc may also be lowered with infection, inflammation, stress, oral contraceptives, and pregnancy. Zinc may be elevated with zinc supplementation or fasting. Elevated zinc concentrations may interfere with copper absorption. Test developed and characteristics determined by ARUP Laboratories. See Compliance Statement B: aruplab.com/CS Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
10/13/2016 2:20 PM PDT 10/13/2016 7:47 PM PDT						
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			

RHEUMATOID FACTOR, QUANTITATIVE (RHEUMATOID FACTOR, QUANT) - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Rheumatoid Factor	<10	<15 IU/mL		10/13/2016 8:29 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT	
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			

ANA (ANTI-NUCLEAR ANTIBODY) - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
ANA by EIA	Negative	Negative		10/14/2016 2:21 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT	
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			

HOMOCYSTEINE - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Homocysteine, Plasma	10.1	5 - 15 umol/L		10/14/2016 10:53 AM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT	
Narrative						
Authorizing Provider	Result Type	Result Status				
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result				

Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

VITAMIN B12 - Final result (10/13/2016 2:20 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
True Cobalamine	736	211 - 911 pg/mL		10/13/2016 7:47 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/13/2016 2:20 PM PDT	10/13/2016 7:47 PM PDT	

Narrative

Authorizing Provider	Result Type	Result Status	
Geoffrey Sheean MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

SEX HORMONE BINDING GLOBULIN - Final result (09/30/2016 10:28 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sex Hormone Binding Globulin	28	13 - 71 nmol/L		10/04/2016 12:40 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				09/30/2016 10:28 AM PDT	09/30/2016 10:29 AM PDT	

Narrative

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

PTH,INTACT AND CALCIUM (PTH, INTACT AND CALCIUM) - Final result (09/30/2016 10:28 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
PTH,Intact	43.9	12.4 - 76.8 pg/mL		09/30/2016 7:27 PM PDT	CENTRAL LAB	
Calcium For PTH	9.6	8.4 - 10.3 mg/dL		09/30/2016 6:19 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				09/30/2016 10:28 AM PDT	09/30/2016 10:29 AM PDT	

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TESTOSTERONE (TESTOSTERONE, TOTAL) - Final result (09/30/2016 10:28 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Testosterone, Total	109	241 - 827 ng/dL		09/30/2016 6:22 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				09/30/2016 10:28 AM PDT		09/30/2016 10:29 AM PDT

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

ALBUMIN - Final result (09/30/2016 10:28 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Albumin	4.3	3.3 - 5.0 g/dL		09/30/2016 6:19 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				09/30/2016 10:28 AM PDT		09/30/2016 10:29 AM PDT

Narrative			
Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TESTOSTERONE, BIOAVAILABLE - Final result (09/06/2016 8:16 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sex Hormone Binding Globulin	36	nmol/L		09/08/2016 5:18 PM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
<p>Comment:</p> <p>Reference range: 11 to 80</p> <p>(NOTE)</p> <p>REFERENCE INTERVAL: Sex Hormone Binding Globulin</p> <p>Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).</p>						
Testosterone, Total	264	ng/dL		09/08/2016 5:18 PM PDT	CENTRAL LAB	
<p>Comment:</p> <p>Reference range: 300 to 890</p> <p>(NOTE)</p> <p>REFERENCE INTERVAL: Testosterone, LC-MS/MS</p> <p>Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).</p> <p>Test developed and characteristics determined by ARUP Laboratories.</p> <p>See Compliance Statement B: aruplab.com/CS</p>						
Testosterone, Bioavailable	125.9	ng/dL		09/08/2016 5:18 PM PDT	CENTRAL LAB	
<p>Comment:</p> <p>Reference range: 130.0 to 680.0</p> <p>(NOTE)</p> <p>REFERENCE INTERVAL: Testosterone LC-MS, Bioavailable</p> <p>Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).</p>						
Testosterone, Free	44.2	pg/mL		09/08/2016 5:18 PM PDT	CENTRAL LAB	
<p>Comment:</p> <p>Reference range: 47.0 to 244.0</p> <p>(NOTE)</p> <p>To convert to pmol/L, multiply pg/mL by 3.47</p> <p>The concentration of Free and Bioavailable Testosterone are derived from mathematical expressions based on constants for the binding of testosterone to albumin and/or sex hormone binding globulin.</p> <p>REFERENCE INTERVAL: Testosterone, Free LC-MS/MS</p> <p>Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).</p> <p>Test developed and characteristics determined by ARUP Laboratories.</p> <p>See Compliance Statement B: aruplab.com/CS</p> <p>Performed by ARUP Laboratories, 500 Chipeta way, SLC, UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director</p>						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				09/06/2016 8:16 AM PDT		09/06/2016 8:17 AM PDT
Narrative						

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

CELIAC DISEASE REFLEXIVE CASCADE (CELIAC REFLEX PANEL) - Final result (09/06/2016 8:16 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
IgA	443	68 - 408 mg/dL		09/08/2016 6:39 AM PDT	CENTRAL LAB	
Comment: (NOTE) Total IgA is within or higher than established ranges. Tissue Transglutaminase, IgA to follow. REFERENCE INTERVAL: Immunoglobulin A 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						

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			09/06/2016 8:16 AM PDT	09/06/2016 8:17 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TISSUE TRANSGLUTAMINASE IgA (TISSUE TRANSGLUTAMINASE, IGA) - Final result (09/06/2016 8:16 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Tissue Transglutaminase, IgA	1	<4 U/mL		09/08/2016 6:39 AM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Comment: Reference range: 0 to 3 (NOTE) No further celiac testing to be performed. INTERPRETIVE INFORMATION: Tissue Transglutaminase (tTG) Antibody, IgA 3 U/mL or less: Negative 4-10 U/mL: weak Positive 11 U/mL or greater: Positive Presence of the tissue transglutaminase (tTG) IgA antibody is associated with glutensensitive enteropathies such as celiac disease and dermatitis herpetiformis. tTG IgA antibody concentrations greater than 40 U/mL usually correlate with results of duodenal biopsies consistent with a diagnosis of celiac disease. For antibody concentrations greater or equal to 4 U/mL but less than or equal to 40 U/mL, additional testing for endomysial (EMA) IgA concentrations may improve the positive predictive value for disease. Performed by ARUP Laboratories, 500 Chipeta way, SLC,UT 84108 800-522-2787 www.aruplab.com, Jerry W. Hussong, MD, Lab. Director						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			09/06/2016 8:16 AM PDT	09/06/2016 8:17 AM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
VITAMIN D 25-HYDROXY - Final result (09/06/2016 8:16 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Vit D 25-Hydroxy	41.7	30 - 100 ng/mL		09/06/2016 3:18 PM PDT	CENTRAL LAB	
Comment: Deficiency <20 ng/mL Insufficiency 20 - 29.9 ng/mL Optimum Level 30 - 100 ng/mL Possible Toxicity >100 ng/mL ** No pediatric range established **						
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			09/06/2016 8:16 AM PDT	09/06/2016 8:17 AM PDT		
Narrative						

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

LUTEINIZING HORMONE - Final result (09/06/2016 8:16 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Luteinizing Hormone	4.4	mIU/mL		09/06/2016 3:18 PM PDT	CENTRAL LAB	

Comment:

LH Reference Range:

Females:

Normally Menstruating

Follicular phase1.9-12.5 mIU/mL
 Midcycle peak8.7-76.3 mIU/mL
 Luteal phase0.5-16.9 mIU/mL

 Pregnant<0.1-1.5 mIU/mL
 Postmenopausal15.9-54.0 mIU/mL
 Contraceptives0.7-5.6 mIU/mL

Males:

20-70 yrs1.5-9.3 mIU/mL
 >70 yrs3.1-34.6 mIU/mL

Children:<0.1-6.0 mIU/mL

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			09/06/2016 8:16 AM PDT	09/06/2016 8:17 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552

TSH (THYROID STIMULATING HORMONE) - Final result (07/06/2016 2:44 PM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stim.Hormone	3.660	0.358 - 3.800 mIU/mL		07/06/2016 7:27 PM PDT	CENTRAL LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			07/06/2016 2:44 PM PDT	07/06/2016 2:45 PM PDT

Narrative

Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
T4 FREE (T4, FREE) - Final result (07/06/2016 2:44 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Free T4 (EIA)	1.07	0.40 - 1.80 ng/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				07/06/2016 2:44 PM PDT		07/06/2016 2:45 PM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
PHOSPHORUS - Final result (07/06/2016 2:44 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Phosphorus	3.8	2.5 - 4.8 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				07/06/2016 2:44 PM PDT		07/06/2016 2:45 PM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121		858-554-9552		
COMPREHENSIVE METABOLIC PANEL - Final result (07/06/2016 2:44 PM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	137	136 - 146 mmol/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Potassium	4.2	3.5 - 5.1 mmol/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Chloride	98	98 - 107 mmol/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
CO2 Content	32	22 - 32 mmol/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Glucose	75	70 - 125 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
<p>Comment:</p> <p>For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:</p> <p>70-99 mg/dL: Normal</p> <p>100-125 mg/dL: Impaired Fasting Glucose</p> <p>>125 mg/dL: Diabetes*</p> <p>*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.</p>						
Urea Nitrogen,Blood	16	7 - 21 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Creatinine, Serum	0.96	0.70 - 1.30 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Osmo Calc	284	280 - 305 mOs/Kg H2O		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Albumin	4.1	3.3 - 5.0 g/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Protein, Total	8.5	6.3 - 8.2 g/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Calcium	9.5	8.4 - 10.3 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Alk Phos	61	38 - 126 Units/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
AST	26	15 - 37 Units/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Bilirubin, Total	0.4	0.1 - 1.2 mg/dL		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Anion Gap	7	6 - 14 mmol/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
ALT	29	16 - 63 Units/L		07/06/2016 7:27 PM PDT	CENTRAL LAB	
GFR Calc,Non-African	83	>60 mL/mn/1.73m2		07/06/2016 7:27 PM PDT	CENTRAL LAB	
GFRA Calc,African	101	>60 mL/mn/1.73m2		07/06/2016 7:27 PM PDT	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time		Received Time
				07/06/2016 2:44 PM PDT		07/06/2016 2:45 PM PDT
Narrative						

Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
TSH (THYROID STIMULATING HORMONE) - Final result (11/30/2015 11:53 AM PST)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Thyroid Stim.Hormone	2.770	0.358 - 3.800 mclU/mL		11/30/2015 5:50 PM PST	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time		Received Time	
			11/30/2015 11:53 AM PST		11/30/2015 11:55 AM PST	
Narrative						
Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
T4 FREE (T4, FREE) - Final result (11/30/2015 11:53 AM PST)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Free T4 (EIA)	0.98	0.40 - 1.80 ng/dL		11/30/2015 5:50 PM PST	CENTRAL LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time		Received Time	
			11/30/2015 11:53 AM PST		11/30/2015 11:55 AM PST	
Narrative						
Authorizing Provider	Result Type	Result Status				
Kelli Karches MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
CENTRAL LAB	9535 Waples St.,150	San Diego, CA 92121	858-554-9552			
X-ray pelvis 1 view (X-RAY PELVIS 1 VIEW) - Final result (10/12/2015 4:55 PM PDT)						
Anatomical Region	Laterality	Modality				
Body, Pelvis		Radiographic Imaging				
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time		Received Time	
			10/12/2015 4:55 PM PDT			
Narrative						
10/12/2015 4:55 PM PDT						

Narrative

SCRIPPS GREEN HOSPITAL RADIOLOGY
 Scripps Clinic Radiology Medical Group
 10666 North Torrey Pines Road La Jolla, CA 92037
 Telephone: 858-554-2626 FAX: 858-554-2742

Pt Name: ASBAGHI, HOOMAN A Age:49 Sex:M Dob:01/04/1966
 Corp MR: 603771342 MR No: 603771342 Dos: 10/09/2015 Pt Type: IP
 Ordering Dr: RICHARD HUGH WALKER MD RMS Ord No: 90006 Rm: -
 Attending Dr: RICHARD HUGH WALKER MD Acct No: 615025400 HB: TP
 IDX Order:23811601 Pacs Acc: 15692554

Final Report

IMPRESSION:
 1. Expected postoperative appearance status post right total hip arthroplasty.
 2. Mild left hip osteoarthritis.

CC Dr: P: F:

EXAMINATION: PELVIS 1 VIEW

PROCEDURE DATE AND TIME: 10/9/2015 10:50:00
 CPT: 72170 GD PELVIS 1VW

HISTORY: Right hip arthroplasty.

COMPARISON EXAM (S): Pelvis radiograph, 09/10/2015

TECHNIQUE: Standard

FINDINGS:

There has been interval right total hip arthroplasty. Hardware alignment is adequate without evidence of complication. No acute displaced fracture is noted. There is no periosteal reaction or osseous destruction. There is a small amount of postoperative gas about the right hip joint. There is mild left hip osteoarthritis. A Foley catheter is noted.

Report generated in SpeechQ
 TECHNOLOGIST: 160981

Dictated: 10/12/2015 16:50..... EVELYN FLISZAR MD
 Trans: 10/12/2015 15:55 by: 480764 JEREMY GRUBIN MD
 Final Report - Electronically Signed on 10/12/2015 16:50

ICD CODE 1 - Z96.641 ICD CODE 2 - ICD CODE 3 -
 ICD CODE 1 - Z96.641 ICD CODE 2 - ICD CODE 3 -

Authorizing Provider	Result Type	Result Status
Richard Walker MD	IMG DIAGNOSTIC IMAGING PROCEDURES	Final Result

CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/12/2015 5:11 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	9.1	3.8 - 11.0 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
RBC	3.19	4.5 - 5.9 M/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Hgb	10.7	13.5 - 17.5 g/dL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
HCT	30.6	41 - 53 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
MCV	96	80 - 100 fL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
MCH	34	26 - 34 pg		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
RDW	11.8	10.5 - 13.5 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
PLT	157	150 - 450 K/ mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	6.44	1.8 - 7.7 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	70.6	44 - 70 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	20.7	25 - 46 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Monocytes	8.4	1 - 12 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.1	0 - 8 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Basophils	0.2	0 - 2 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	6.44	1.8 - 7.7 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.89	1.0 - 5.0 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	0.77	0 - 0.8 K/ mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.01	0 - 0.5 K/ mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Baso Ct.	0.02	0 - 0.2 K/ mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				10/12/2015 5:11 AM PDT		10/12/2015 5:20 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Richard Walker MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SHEN ENCINITAS LAB						

CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/11/2015 4:57 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	9.8	3.8 - 11.0 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
RBC	3.31	4.5 - 5.9 M/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Hgb	11.1	13.5 - 17.5 g/ dL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
HCT	31.7	41 - 53 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCV	96	80 - 100 fL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCH	34	26 - 34 pg		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
RDW	11.9	10.5 - 13.5 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
PLT	138	150 - 450 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	7.03	1.8 - 7.7 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	71.9	44 - 70 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	17.4	25 - 46 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Monocytes	10.4	1 - 12 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.2	0 - 8 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Basophils	0.1	0 - 2 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	7.03	1.8 - 7.7 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.70	1.0 - 5.0 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	1.02	0 - 0.8 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.02	0 - 0.5 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Abs. Baso Ct.	0.01	0 - 0.2 K/ mCL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/11/2015 4:57 AM PDT	10/11/2015 5:21 AM PDT	

Narrative

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SHEN ENCINITAS LAB			

CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/10/2015 5:18 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	8.0	3.8 - 11.0 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
RBC	3.70	4.5 - 5.9 M/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Hgb	12.2	13.5 - 17.5 g/ dL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
HCT	35.0	41 - 53 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCV	94	80 - 100 fL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCH	33	26 - 34 pg		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
RDW	12.0	10.5 - 13.5 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
PLT	165	150 - 450 K/ mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	5.45	1.8 - 7.7 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	68.6	44 - 70 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	21.8	25 - 46 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Monocytes	9.3	1 - 12 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.2	0 - 8 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Basophils	0.1	0 - 2 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	5.45	1.8 - 7.7 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.74	1.0 - 5.0 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	0.74	0 - 0.8 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.02	0 - 0.5 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Baso Ct.	0.01	0 - 0.2 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume		Collection Time	Received Time	
				10/10/2015 5:18 AM PDT	10/10/2015 5:43 AM PDT	
Narrative						
Authorizing Provider	Result Type	Result Status				
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
SHEN ENCINITAS LAB						
BASIC METABOLIC PANEL - Final result (10/10/2015 5:18 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	137	137 - 145 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Potassium	4.4	3.5 - 5.1 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Chloride	102	98 - 107 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
CO2 Content	28	22 - 30 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Anion Gap	7	6 - 14 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Urea Nitrogen,Blood	5	9 - 20 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Creatinine, Serum	0.8	0.7 - 1.3 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Glucose	118	70 - 125 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	

Comment:

For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:

70-99 mg/dL:	Normal
100-125 mg/dL:	Impaired Fasting Glucose
>125 mg/dL:	Diabetes*

*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.

Osmo Calc	282	280 - 305 mOs/Kg H2O	10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB
Calcium	8.4	8.4 - 10.2 mg/dL	10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB
GFR Calc,Non-African	>60	>60 mL/mn/ 1.73m2	10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB
GFRA Calc,African	>60	>60 mL/mn/ 1.73m2	10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB

Comment: This estimated GFR calculation is not suitable for medication dosing.

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/10/2015 5:18 AM PDT	10/10/2015 5:43 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result

Performing Organization	Address	City/State/ZIP Code	Phone Number
SHEN ENCINITAS LAB			

BLOOD BANK HOLD TUBE - Final result (10/09/2015 6:54 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Blood Bank Report	CROSSMATCH EXP: 10/12/2015			10/09/2015 11:58 AM PDT	SUNQUEST	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/09/2015 6:54 AM PDT	10/09/2015 7:06 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	LAB BLOOD BANK TEST ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SUNQUEST			

Care Teams				
Team Member	Relationship	Specialty	Start Date	End Date
Richard Walker, MD NPI: 1255378550 10666 N TORREY PINES RD MC 407C LA JOLLA, CA 92037 858-554-7993 (Work) 858-554-6321 (Fax)	PCP - General	Orthopaedic Surgery	10/13/17	

Patient Contacts			
Contact Name	Contact Address	Communication	Relationship to Patient
Kami Kohani	Unknown	619-572-9999 (Mobile)	Friend, Emergency Contact

Document Information		
Primary Care Provider	Other Service Providers	Document Coverage Dates
Richard Walker, MD (Oct. 13, 2017 - Present) NPI: 1255378550 858-554-7993 (Work) 858-554-6321 (Fax) 10666 N TORREY PINES RD MC 407C LA JOLLA, CA 92037 Orthopaedic Surgery Scripps Health 858-927-7132 (Work) 4275 Campus Point Court SAN DIEGO, CA 92121		Jan. 04, 1966 - Feb. 21, 2025
Custodian Organization		
Scripps Health 858-927-7132 (Work) 4275 Campus Point Court SAN DIEGO, CA 92121		



If you take your Lucy record on a thumb drive to a different doctor, he or she might be able to use his computer to read the file electronically. Your downloaded, machine-readable Personal Health Summary document is in a format called "CDA." If your doctor has a computer that understands CDA, your information is a folder on your thumb drive called **MachineReadable_XDMFormat**. You might need to enter a password before your doctor can use this file.

Hooman A Asbaghi

Continuity of Care Document, generated on Feb. 21, 2025

Patient Demographics - Male; born Jan. 04, 1966

Patient Address	Patient Name	Communication
200 HARBOR DR UNIT 2902 (Home) SAN DIEGO, CA 92101-6894	Hooman A Asbaghi	619-642-9545 (Mobile) hooman.asbaghi@mmimedical.com Hooman.Asbaghi@mmimedical.com nhbio@protonmail.com
Former (Dec. 24, 2024 - Jan. 24, 2025): 200 E harbor Dr apt 2902 (Home) SAN DIEGO, CA 92101-3327	Former / Aliases: Hooman Asbaghi	
Former (Jan. 03, 2023 - Dec. 23, 2024): 1205 PACIFIC HWY (Home) SAN DIEGO, CA 92101-3327		
Language	Race / Ethnicity	Marital Status
English (Preferred)	White / Not Hispanic or Latino	Divorced

Note from Scripps Health

This document contains information that was shared with Hooman A Asbaghi. It may not contain the entire record from Scripps Health.

Allergies - from 08/01/2015 to 11/11/2015

Not on file

Medications - from 08/01/2015 to 11/11/2015

Medication	Sig	Dispense Quantity	Refills	Last Filled	Start Date	End Date	Status
levothyroxine (SYNTHROID, LEVOTHROID) 100 mcg tablet	take one tablet by mouth every day	30 tablet	5		11/26/2014	05/18/2017	Discontinued (Discontinued)

Active Problems - from 08/01/2015 to 11/11/2015

Problem	Noted Date	Diagnosed Date
Enlarged lymph nodes	12/22/2014	
Abnormal liver function test	12/18/2014	
Chronic thyroiditis (Hashimoto's disease)	02/27/2014	
Chronic lower back pain	10/24/2013	
High cholesterol or triglycerides	10/24/2013	
Reflex sympathetic dystrophy of left lower extremity	10/24/2013	

Social History - from 08/01/2015 to 11/11/2015

Smoking Status as of 11/11/2015

Tobacco Use	Types	Packs/Day	Years Used	Date
Smoking Tobacco: Never Assessed				

Sex and Gender Information	Value	Date Recorded
Sex Assigned at Birth	Male	10/03/2024 3:27 PM PDT
Legal Sex	Male	02/09/2017 11:43 AM PST
Gender Identity	Male	10/03/2024 3:27 PM PDT
Sexual Orientation	Straight	10/03/2024 3:27 PM PDT

Last Filed Vital Signs - from 08/01/2015 to 11/11/2015

Not on file

Plan of Treatment - from 08/01/2015 to 11/11/2015

Not on file

Results - from 08/01/2015 to 11/11/2015
X-ray pelvis 1 view (X-RAY PELVIS 1 VIEW) - Final result (10/12/2015 4:55 PM PDT)

Anatomical Region	Laterality	Modality		
Body, Pelvis		Radiographic Imaging		
Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/12/2015 4:55 PM PDT	

Narrative

10/12/2015 4:55 PM PDT
SCRIPPS GREEN HOSPITAL RADIOLOGY
Scripps Clinic Radiology Medical Group
10666 North Torrey Pines Road La Jolla, CA 92037
Telephone: 858-554-2626 FAX: 858-554-2742

Pt Name: ASBAGHI, HOOMAN A Age:49 Sex:M Dob:01/04/1966
Corp MR: 603771342 MR No: 603771342 Dos: 10/09/2015 Pt Type: IP
Ordering Dr: RICHARD HUGH WALKER MD RMS Ord No: 90006 Rm: -
Attending Dr: RICHARD HUGH WALKER MD Acct No: 615025400 HB: TP
IDX Order:23811601 Pacs Acc: 15692554

Final Report

IMPRESSION:

1. Expected postoperative appearance status post right total hip arthroplasty.
2. Mild left hip osteoarthritis.

CC Dr: P: F:

EXAMINATION: PELVIS 1 VIEW

PROCEDURE DATE AND TIME: 10/9/2015 10:50:00
CPT: 72170 GD PELVIS 1VW

HISTORY: Right hip arthroplasty.

COMPARISON EXAM (S): Pelvis radiograph, 09/10/2015

TECHNIQUE: Standard

FINDINGS:

There has been interval right total hip arthroplasty. Hardware alignment is adequate without evidence of complication. No acute displaced fracture is noted. There is no periosteal reaction or osseous destruction. There is a small amount of postoperative gas about the right hip joint. There is mild left hip osteoarthritis. A Foley catheter is noted.

Report generated in SpeechQ
TECHNOLOGIST: 160981

Dictated: 10/12/2015 16:50..... EVELYN FLISZAR MD
Trans: 10/12/2015 15:55 by: 480764 JEREMY GRUBIN MD
Final Report - Electronically Signed on 10/12/2015 16:50

ICD CODE 1 - Z96.641 ICD CODE 2 - ICD CODE 3 -
ICD CODE 1 - Z96.641 ICD CODE 2 - ICD CODE 3 -

Authorizing Provider	Result Type	Result Status
Richard Walker MD	IMG DIAGNOSTIC IMAGING PROCEDURES	Final Result

CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/12/2015 5:11 AM PDT)

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	9.1	3.8 - 11.0 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
RBC	3.19	4.5 - 5.9 M/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Hgb	10.7	13.5 - 17.5 g/dL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
HCT	30.6	41 - 53 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
MCV	96	80 - 100 fL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
MCH	34	26 - 34 pg		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
RDW	11.8	10.5 - 13.5 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
PLT	157	150 - 450 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	6.44	1.8 - 7.7 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	70.6	44 - 70 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	20.7	25 - 46 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Monocytes	8.4	1 - 12 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.1	0 - 8 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Basophils	0.2	0 - 2 %		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	6.44	1.8 - 7.7 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.89	1.0 - 5.0 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	0.77	0 - 0.8 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.01	0 - 0.5 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	
Abs. Baso Ct.	0.02	0 - 0.2 K/mcL		10/12/2015 5:38 AM PDT	SHEN ENCINITAS LAB	

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time		
			10/12/2015 5:11 AM PDT	10/12/2015 5:20 AM PDT		
Narrative						
Authorizing Provider	Result Type	Result Status				
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code	Phone Number			
SHEN ENCINITAS LAB						
CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/11/2015 4:57 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	9.8	3.8 - 11.0 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
RBC	3.31	4.5 - 5.9 M/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Hgb	11.1	13.5 - 17.5 g/ dL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
HCT	31.7	41 - 53 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCV	96	80 - 100 fL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCH	34	26 - 34 pg		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
RDW	11.9	10.5 - 13.5 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
PLT	138	150 - 450 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	7.03	1.8 - 7.7 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	71.9	44 - 70 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	17.4	25 - 46 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Monocytes	10.4	1 - 12 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.2	0 - 8 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Basophils	0.1	0 - 2 %		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	7.03	1.8 - 7.7 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.70	1.0 - 5.0 K/mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	1.02	0 - 0.8 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.02	0 - 0.5 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Abs. Baso Ct.	0.01	0 - 0.2 K/ mcL		10/11/2015 5:42 AM PDT	SHEN ENCINITAS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				10/11/2015 4:57 AM PDT		10/11/2015 5:21 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Richard Walker MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SHEN ENCINITAS LAB						
CBC AND DIFFERENTIAL ORDER (CBC AND AUTO DIFFERENTIAL) - Final result (10/10/2015 5:18 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
WBC	8.0	3.8 - 11.0 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
RBC	3.70	4.5 - 5.9 M/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Hgb	12.2	13.5 - 17.5 g/ dL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
HCT	35.0	41 - 53 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCV	94	80 - 100 fL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCH	33	26 - 34 pg		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
MCHC	35	31 - 36 g/dL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
RDW	12.0	10.5 - 13.5 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
PLT	165	150 - 450 K/ mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Prelim Abs Neut Ct	5.45	1.8 - 7.7 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Diff Type	Auto			10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Neutrophils	68.6	44 - 70 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Lymphocytes	21.8	25 - 46 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Monocytes	9.3	1 - 12 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Eosinophils	0.2	0 - 8 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Basophils	0.1	0 - 2 %		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Neut Ct.	5.45	1.8 - 7.7 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Lymph Ct.	1.74	1.0 - 5.0 K/mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Mono Ct.	0.74	0 - 0.8 K/ mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Eos Ct.	0.02	0 - 0.5 K/ mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Abs. Baso Ct.	0.01	0 - 0.2 K/ mcL		10/10/2015 5:55 AM PDT	SHEN ENCINITAS LAB	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				10/10/2015 5:18 AM PDT		10/10/2015 5:43 AM PDT
Narrative						
Authorizing Provider	Result Type		Result Status			
Richard Walker MD	LAB BLOOD ORDERABLES		Final Result			
Performing Organization	Address		City/State/ZIP Code	Phone Number		
SHEN ENCINITAS LAB						
BASIC METABOLIC PANEL - Final result (10/10/2015 5:18 AM PDT)						
Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Sodium	137	137 - 145 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Potassium	4.4	3.5 - 5.1 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Chloride	102	98 - 107 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
CO2 Content	28	22 - 30 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Anion Gap	7	6 - 14 mmol/L		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Urea Nitrogen,Blood	5	9 - 20 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Creatinine, Serum	0.8	0.7 - 1.3 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Glucose	118	70 - 125 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	

Comment:

For FASTING GLUCOSE samples, the ADA recommended decision limits are shown below:

70-99 mg/dL: Normal
100-125 mg/dL: Impaired Fasting Glucose
>125 mg/dL: Diabetes*

*In the absence of symptoms of unequivocal hyperglycemia, result should be confirmed by repeat testing.

Osmo Calc	282	280 - 305 mOs/Kg H2O		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
Calcium	8.4	8.4 - 10.2 mg/dL		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
GFR Calc,Non-African	>60	>60 mL/mn/ 1.73m2		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	
GFRA Calc,African	>60	>60 mL/mn/ 1.73m2		10/10/2015 6:14 AM PDT	SHEN ENCINITAS LAB	

Comment: This estimated GFR calculation is not suitable for medication dosing.

Specimen (Source)	Anatomical Location / Laterality	Collection Method / Volume	Collection Time	Received Time
			10/10/2015 5:18 AM PDT	10/10/2015 5:43 AM PDT

Narrative

Authorizing Provider	Result Type	Result Status	
Richard Walker MD	LAB BLOOD ORDERABLES	Final Result	
Performing Organization	Address	City/State/ZIP Code	Phone Number
SHEN ENCINITAS LAB			

Component	Value	Ref Range	Test Method	Analysis Time	Performed At	Pathologist Signature
Blood Bank Report	CROSSMATCH EXP: 10/12/2015			10/09/2015 11:58 AM PDT	SUNQUEST	
Specimen (Source)	Anatomical Location / Laterality		Collection Method / Volume	Collection Time		Received Time
				10/09/2015 6:54 AM PDT		10/09/2015 7:06 AM PDT
Narrative						
Authorizing Provider	Result Type	Result Status				
Richard Walker MD	LAB BLOOD BANK TEST ORDERABLES	Final Result				
Performing Organization	Address	City/State/ZIP Code		Phone Number		
SUNQUEST						

Patient Contacts

Contact Name	Contact Address	Communication	Relationship to Patient
Kami Kohani	Unknown	619-572-9999 (Mobile)	Friend, Emergency Contact

Document Information

Service Providers	Document Coverage Dates
	Aug. 01, 2015 - Nov. 11, 2015
Custodian Organization	
Scripps Health 858-927-7132 (Work) 4275 Campus Point Court SAN DIEGO, CA 92121	