



INVOICE FOR MEDICAL RECORDS
From: Michigan Medicine

PAY TO:
Record Connect, Inc.
Attn: Accounts Payable
4778 North Michigan Avenue, Ste 100
Saginaw, MI 48604
P & F 312.757.5020

INVOICE: 54-375099
INVOICE DATE:
DUE DATE:
TERMS: 30 Days
YOUR REF#:

PAY NOW: <https://www.recordconnectpay.com>

SHIP TO:

Leila Ballout

6130 Reuter
Dearborn, MI 48126

BILL TO:

Leila Ballout

6130 Reuter
Dearborn, MI 48126

Description	Quantity	Price	Amount
Handling Charge Processing medical record for release in accordance with HIPAA regulations.			\$ 0.00
Medical Record Pages Medical Records for: Ballout, Leila from Michigan Medicine.	162	State Rates	\$ 67.56
Microfilm Pages Medical Records for: Ballout, Leila from Michigan Medicine.	0	State Rates	\$ 0.00
Delivery Costs Delivery costs for delivery of records via mail, fax or electronic delivery.			\$ 0.00
Total Sales Tax Sales Tax - 0.00%		0.00%	\$ 0.00
Previous Payments			(\$ 0.00)
Other Adjustments			(\$ 0.00)
Total			\$ 67.56

If your actions inspire others to dream more, learn more, do more and become more, you are a leader.

~ John Quincy Adams

Notice: Accounts are due and payable on Terms (above) and may be paid by VISA, Master Card, American Express, Check (mail to above address with Invoice # on Check), or Money Order. Unless alternative arrangements are made with our approval, accounts more than 30 days delinquent may be subject to interest (12% APR) and collection fees. Bad check and credit card dispute fee is \$25.00; cancellation fee is 20% of the invoice or a minimum of 25\$. You agree to pay all collection costs, reasonable attorney fees, and court costs, and interest associated with the collection of said debt.

EIN: 46-1204740

Michigan Medicine uses RecordConnectPro to release medical records securely in compliance with HIPAA regulations. RecordConnect has been contracted to release records on behalf of Michigan Medicine. Payments, billing questions and other inquiries regarding medical record releases should be directed to RecordConnect. Phone: 312.757.5020 | Email: customer.support@recordconnectinc.com

University of Michigan Health System Health Information Management (HIM) Release of Information (ROI) Unit 2901 Hubbard Rd #2722 Ann Arbor, Michigan 48109-2435 Phone: (734) 936-5490 Fax: (734) 936-8571	AUTHORIZATION TO RELEASE COPIES OF A MEDICAL RECORD <small>(Patient Requests Information To Be Sent From UMHS)</small>	For Clinic Use Only: <input type="checkbox"/> Records sent from Clinic - please image form to patient record <input type="checkbox"/> Mailed <input type="checkbox"/> Picked Up <input type="checkbox"/> Faxed Date Received: _____ Date Processed: _____ Processed By: _____ <input type="checkbox"/> Forwarding Request to ROI for processing
---	--	--

Please complete this form in its entirety so we can help you receive the information you are requesting.

1. This authorization is voluntary. I understand that the University of Michigan Health System (UMHS) will not base treatment, payment, enrollment, or eligibility for benefits on my signing this document. Please see the second page for the fee notice.

Patient Name: Leila Ballout Maiden/AKA: ballout Date of Birth: Nov/08/1979
 Street Address: 6130 Reuter UMHS MRN (optional): _____
 City/State/Zip: Dearborn, MI 48126 Telephone #: (469) 343 3857
 Email Address: ballouta.ballouta@live.com

2. Myself: I request the UMHS to release my protected health information to myself to the address listed above. Select delivery method: eDelivery (secure web link) US Mail Pick-Up from ROI Unit MyUofMHealth.org Account

3. Other: I am the patient, or the legally authorized representative of the patient listed above and request the UMHS to release my protected health information to:
 Individual/Person*: _____ Company/Organization: _____
 Street Address: _____
 City/State/Zip: _____ Telephone #: _____
 Select delivery method: Fax # (health providers - only if urgent): _____
 US Mail eDelivery (only to attorneys): _____

*If this request is to send records to another health care provider, is this a change in your primary care doctor?
 If yes, please initial for the change to be applied in your medical record. (initials required)

4. Purpose of release/disclosure to other person/organization:

- Continuation of Care/Transfer of Care
- Attorney/Legal
- Insurance Company
- Workman's Compensation
- Other (specify): Trying to find kidney donor overseas I don't want to go through dialysis

Recommended Record Set (as described in Section 5) RECEIVED BY
Package 1
 Package 2 for a selected date range
 Package 1 for a selected date range
 Package 1 from date of incident
OCT 30 2017

5. Record set to be released to the party indicated above: I request the following information be released, which may include: alcohol and drug abuse/treatment; psychological and social work counseling; HIV, AIDS or ARC; communicable disease or infections, including sexually transmitted diseases, venereal disease, tuberculosis and hepatitis; genetic information and demographic information, for the purposes and conditions designated on this form.

Package selections (as recommended in Section 4, more may be specified below):
 Package 1: Key Clinical Written Documentation (includes, as applicable, history & physical, discharge summary, operative reports, consults, outpatient visit notes, test reports, lab results, ER clinician notes) related to a specific incident, injury or illness from ___/___/___ (mm/dd/yyyy) to ___/___/___ (mm/dd/yyyy). If no dates listed, for the past 24 months.
 Package 2: All Clinical Written Documentation from ___/___/___ (mm/dd/yyyy) to ___/___/___ (mm/dd/yyyy) (includes, as applicable, Package 1 contents along with nursing notes, flow sheets, medication administration records, physician orders, etc.).

Other selections: From Dates of Service: ___/___/___ (mm/dd/yyyy) to ___/___/___ (mm/dd/yyyy)

- Immunization Report
- Billing Information (Released by Billing. For Billing request status, please call (800) 992-9475.)
- Laboratory test result reports
- Reports for Radiology/Other Diagnostic Testing
- Films/Images (Released by Radiology. (For Radiology request status, please call (734) 936-4517. Additional charges may apply.)
 MRI CT Scan Ultrasound X-Rays Breast Imaging (Mammograms, Breast Ultrasound or MRI)
- Pathology Slides (Released by Pathology. For Pathology request status, please call (800) 862-7284. Additional charges may apply.)
- Other Records (Please specify): _____

University of Michigan Health System Health Information Management (HIM) Release of Information (ROI) Unit 2901 Hubbard Rd #2722 Ann Arbor, Michigan 48109-2435 Phone: (734) 936-5490 Fax: (734) 936-8571	AUTHORIZATION TO RELEASE COPIES OF A MEDICAL RECORD (Patient Requests Information To Be Sent From UMHS)	For Clinic Use Only: <input type="checkbox"/> Records sent from Clinic - please image form to patient record <input type="checkbox"/> Mailed <input type="checkbox"/> Picked Up <input type="checkbox"/> Faxed Date Received: _____ Date Processed: _____ Processed By: _____ <input type="checkbox"/> Forwarding Request to ROI for processing
---	---	--

6. This authorization expires on: _____ (specify expiration date or event).
If the expiration date is left blank, the authorization expires 60 days from the signature date.

7. Revoking (cancelling) authorization: I may revoke (cancel) this authorization at any time. Revocations (cancellations) must be made in writing and sent to the UMHS Health Information Management Release of Information Unit at the address listed on this form. Revocations (cancellations) will not apply to information that already has been released. If this authorization was obtained as a condition of providing insurance coverage, the authorization will not apply to my insurance company to the extent the law provides my insurer with the right to contest a claim under the policy, or the policy itself.

8. Note: Once information has been disclosed, UMHS can no longer protect it from further disclosure.

9. Payment: There will be fees associated with most record requests as outlined below.
 Check here if you require a call for fee approval prior to us processing your records.

Signature of Patient or Legally Authorized Representative (if patient is a minor or unable to sign) _____ DATE (mm/dd/yyyy) 10/30/2017

Printed Name of Legally Authorized Representative (if patient is a minor or unable to sign)
Relationship to Patient: Spouse Parent Next-of-Kin Legal Guardian DPOA for Healthcare (must attach proof of DPOA-HC)

Additional Information Regarding Your Request

Requesting medical records on behalf of another person

If you are requesting medical records for someone other than yourself, you may be required to provide additional documentation to show that you have a legal right to request the record set. Examples of these documents include Letters of Representation, Guardianship Papers, Affidavit of Heir at Law, etc. Please contact the Release of Information Unit at (734) 936-5490 to determine the documentation that will be required to process your request.

Submitting requests & receiving record copies - Requests for medical records may be:

- Mailed to Health Information Management, Release of Information Unit at 2901 Hubbard Rd., RM 2722, Ann Arbor, MI 48109-2435.
- Faxed to Health Information Management, Release of Information Unit at (734) 936-8571.
- Submitted in person Monday-Friday 8:00 AM - 5:00 PM to the ROI Unit at Hubbard Road location noted above.

Our average turnaround time for processing requests is seven business days plus shipping time. Unless otherwise requested, records will be sent through US Mail. Records needed for medical emergencies will be faxed directly to a physician or medical facility. Please include your phone number on your request, in case we need to contact you for additional information. For questions regarding requests for medical record copies, please contact: Health Information Management - Release of Information Unit at (734) 936-5490.

Fees are authorized annually by the State of Michigan Medical Records Access Act, P.A. 47 of 2004, MCL 333.26269. Some records requested for legal, insurance, or personal use may require a prepayment. If your request requires pre-payment, a fee notice will be sent to you upon processing of your request. Actual postage and Michigan State tax will be added to the fees outlined below. Records fees will be billed as follows (plus actual postage):

Patient (paper copy):

- Pages 1-75 No charge
- Pages 76-100 are \$1.17 per page
- Pages 101-125 are \$0.59 per page
- Pages 126 and up are \$0.23 per page to a maximum of \$100

Patient e-Delivery:

- Pages 1-75 No charge
- Pages 76 and up are \$0.23 per page to a maximum of \$25.00

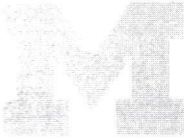
Patient MyUofMHealth.org Account delivery:

- No charge

Attorneys and Insurance Companies:

- Clerical Fee of \$23.42
- Pages 1-20 are \$1.17 per page
- Pages 21-50 are \$0.59 per page
- Pages 51 and up are \$0.23 per page
- Microfiche copies are \$1.50 per page

70-10015	VER: A/15 HIM: 05/15	MEDICAL RECORD		Authorization To Release Copies Of A Medical Record (Patient Requests Information To Be Sent From UMHS)
----------	-------------------------	----------------	---	---



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Immunizations

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations

Current Immunizations

Reviewed on 10/25/2017

Name	Date
Hepatitis B (adult)	10/25/2017, 9/27/2017
Influenza, Quadrivalent (P-free) (6 Mo And Older) (Inject)	9/27/2017

Progress Notes by Heung, Michael, MD at 3/23/2016 11:17 AM

Author: Heung, Michael, MD	Service: (none)	Author Type: Physician
Filed: 3/24/2016 11:52 AM	Encounter Date: 3/23/2016	Note Type: Progress Notes
Status: Signed	Editor: Heung, Michael, MD (Physician)	

Subjective:

Patient ID: Leila Ballout is a 36 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13 and she presents today for follow-up of her HTN and CKD.

HPI

Overall, Mrs. Ballout continues to feel well. She recently became pregnant (she thinks she is around 6 weeks right now). She has not seen an OB yet, but has an appt coming up in a couple of weeks.

She has been dieting and frustrated that she has not continued to lose weight. She is exercising.

She has a good energy level. She has a very good appetite and denies any nausea or vomiting. She denies any abdominal pain. She reports normal urine output and denies any urinary symptoms including no recent hematuria.

She denies any CP or SOB. She denies any significant edema.

She continues to regularly check her BP at home, and typically gets values in the 120's/80's. She denies any lightheadedness or dizziness.

Review of Systems

The remainder of her ROS is unremarkable per patient.

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

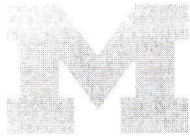
Outpatient Prescriptions Prior to Visit

Medication	Sig	Dispense	Refill
• labetalol (TRANDATE) 100 mg tablet	Take 1 tablet by mouth two times daily.	180 tablet	3
• hydrochlorothiazide 12.5 mg tablet	Take 1 tablet by mouth once daily.	90 tablet	4

No facility-administered medications prior to visit.

Objective:

Physical Exam



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 3/23/2016 11:17 AM (continued)

Filed Vitals:

03/23/16 1106
BP: 128/81
Pulse: 88
Temp:

Wt Readings from Last 3 Encounters:

03/23/16 77.021 kg (169 lb 12.8 oz)
10/21/15 73.936 kg (163 lb)
11/26/14 81 kg (178 lb 9.2 oz)

NAD

Anicteric, no OP lesions
Supple, no LAD
RRR, no murmur
Clear throughout
Soft, NT, no flank tenderness, kidneys palpable
No signif LE edema
Alert, oriented fully, grossly non-focal

Laboratory Data:

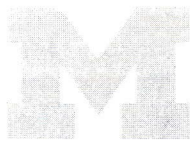
Lab Results

Component	Value	Date
CREATININE	1.88*	3/23/2016
CO2	26	3/23/2016
GLUCOSE	68*	3/23/2016
UREANITROGE	41*	3/23/2016
N		
SODIUM	139	3/23/2016
POTASSIUM	3.9	3/23/2016
CHLORIDE	107	3/23/2016
CALCIUM	9.2	3/23/2016
PHOS	2.9	3/23/2016
ALBUMINLEVEL	4.1	3/23/2016

3/23/16 25OH vit D 41, PTH 211

Lab Results

Component	Value	Date
WBC	3.4*	3/23/2016
HGB	12.3	3/23/2016
HEMATOCRIT	35.8*	3/23/2016
PLATELET	134*	3/23/2016
RBC	4.10	3/23/2016
MCV	87.3	3/23/2016
MCH	30.0	3/23/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 3/23/2016 11:17 AM (continued)

MCHC	34.4	3/23/2016
RDW	14.0	3/23/2016
MPV	10.4	3/23/2016

Lab Results

Component	Value	Date
IRON	83	3/23/2016
IRONBINDING	348	3/23/2016
FRTN	28.5	3/23/2016
TRANSSAT	24	3/23/2016

Lab Results

Component	Value	Date
COLORURINE	Normal	3/23/2016
APPEARANCEUR	Slightly Cloudy	3/23/2016
SPECIFICGRAV	1.007	3/23/2016
PHURINE	5.0	3/23/2016
LEUKOCYTEEST	Negative	3/23/2016
NITRITEURINE	Negative	3/23/2016
PROTEINURINE	Negative	3/23/2016
GLUCOSEURINE	Normal	3/23/2016
KETONESURINE	Negative	3/23/2016
UROBILINURIN	Normal	3/23/2016
BILIRUBINURI	Negative	3/23/2016
BLOODURINE	Negative	3/23/2016

3/23/16 UPC 0.17

Assessment:

Mrs. Leila Ballout is a 36 y.o. Lebanese female with PKD and HTN. She presents today for follow-up.

Plan:

- PKD/CKD: - Does have CKD stage 3, and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - Her baseline Cr since 2014 (based on outside labs) has been in the 1.6-1.9 range and she appears to be somewhat stable in that range.
 - I expect her Cr to fall during her pregnancy. However, her renal function may also decline overall due to the stress of pregnancy.
 - Main focus remains risk factor modification, specifically BP control.
 - She does understand, of course, that her course is expected to be progressive to ESRD.
- HTN: - BP appears well-controlled overall. No changes to current regimen.
 - She understands the need to follow-up with OB in case more strict BP control is desired.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 3/23/2016 11:17 AM (continued)

3. Metabolic bone disease: - No evidence of metabolic acidosis and phos well-controlled.
- She does appear to have secondary hyperparathyroidism. A consideration would be management with active vitamin D (e.g. Calcitriol) but I will first await the input of OB.

4. Pregnancy: - I again reviewed the risks of pregnancy with her, including worsening CKD and pre-eclampsia.
- I have previously referred her to OB for pre-conception counseling but she was not able to attend. She does have an appt upcoming (outside UM).

RTC 3 months.

Signed by Heung, Michael, MD on 3/24/2016 11:52 AM

Progress Notes by Heung, Michael, MD at 6/1/2016 9:48 AM

Author: Heung, Michael, MD	Service: (none)	Author Type: Physician
Filed: 6/1/2016 12:07 PM	Encounter Date: 6/1/2016	Note Type: Progress Notes
Status: Signed	Editor: Heung, Michael, MD (Physician)	

Subjective:

Patient ID: Leila Ballout is a 36 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13 and she presents today for follow-up of her HTN and CKD.

HPI

Mrs. Ballout is now 16 weeks pregnant and recently found out she is having a daughter. She notes a very poor energy level, although she is forcing herself to stay active. She also reports significant back pain/pressure bilaterally. She denies any abdominal pain, but notes fullness.

She has been having some morning sickness and her water intake has been down. She thinks this is starting to get better and is working on improving her hydration. Her appetite is down and she is not having significant cravings.

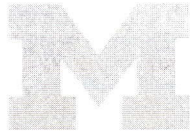
She denies any gross hematuria. She denies any other urinary symptoms such as dysuria.

She denies any CP or SOB at rest. She has noted some more DOE with stairs. She denies any significant edema.

She continues to regularly check her BP at home, and typically gets values in the 120's/80's or lower. She occasionally has lightheadedness but has not felt unsteady. She denies any syncope or pre-syncope and has not fallen.

Review of Systems

The remainder of her ROS is unremarkable per patient.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/1/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 6/1/2016 9:48 AM (continued)

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

Outpatient Prescriptions Prior to Visit

Medication

- hydrochlorothiazide 12.5 mg tablet
- labetalol (TRANDATE) 100 mg tablet

Sig

Take 1 tablet by mouth once daily.
Take 1 tablet by mouth two times daily.

Dispense

90 tablet
180 tablet

Refill

4
3

No facility-administered medications prior to visit.
Also on ASA (prescribed by MFM) and multivitamins
Not taking HCTZ

Objective:

Physical Exam

Filed Vitals:

06/01/16 0956

BP: 131/78
Pulse: 72
Temp:

Wt Readings from Last 3 Encounters:

03/23/16 77.021 kg (169 lb 12.8 oz)
10/21/15 73.936 kg (163 lb)
11/26/14 81 kg (178 lb 9.2 oz)

NAD

Anicteric, no OP lesions
Supple, no LAD, MMM
RRR, no murmur
Clear throughout
Soft, protuberant, no flank tenderness
No signif LE edema
Alert, oriented fully, grossly non-focal

Laboratory Data:

Lab Results

Component	Value	Date
CREATININE	1.88*	3/23/2016
CO2	26	3/23/2016
GLUCOSE	68*	3/23/2016
UREANITROGE	41*	3/23/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/1/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 6/1/2016 9:48 AM (continued)

N		
SODIUM	139	3/23/2016
POTASSIUM	3.9	3/23/2016
CHLORIDE	107	3/23/2016
CALCIUM	9.2	3/23/2016
PHOS	2.9	3/23/2016
ALBUMINLEVEL	4.1	3/23/2016

5/25/16 BUN 30, Cr 1.82

3/23/16 25OH vit D 41, PTH 211

Lab Results

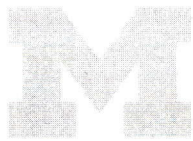
Component	Value	Date
WBC	3.4*	3/23/2016
HGB	12.3	3/23/2016
HEMATOCRIT	35.8*	3/23/2016
PLATELET	134*	3/23/2016
RBC	4.10	3/23/2016
MCV	87.3	3/23/2016
MCH	30.0	3/23/2016
MCHC	34.4	3/23/2016
RDW	14.0	3/23/2016
MPV	10.4	3/23/2016

Lab Results

Component	Value	Date
IRON	83	3/23/2016
IRONBINDING	348	3/23/2016
FRTN	28.5	3/23/2016
TRANSAT	24	3/23/2016

Lab Results

Component	Value	Date
COLORURINE	Normal	6/1/2016
APPEARANCEUR	Normal	6/1/2016
SPECIFICGRAV	1.008	6/1/2016
PHURINE	5.0	6/1/2016
LEUKOCYTEEST	Negative	6/1/2016
NITRITEURINE	Negative	6/1/2016
PROTEINURINE	23.4	6/1/2016
PROTEINURINE	10	6/1/2016
GLUCOSEURINE	Normal	6/1/2016
KETONESURINE	Negative	6/1/2016
UROBILINURIN	Normal	6/1/2016
BILIRUBINURI	Negative	6/1/2016
BLOODURINE	10*	6/1/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/1/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 6/1/2016 9:48 AM (continued)

3/23/16 UPC 0.17
6/1/16 UPC 0.43

Assessment:

Mrs. Leila Ballout is a 36 y.o. Lebanese female with PKD and HTN. She presents today for follow-up.

Plan:

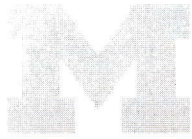
1. PKD/CKD: - Does have CKD stage 3, and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - Her baseline Cr since 2014 (based on outside labs) has been in the 1.6-1.9 range and she has been somewhat stable in that range.
 - As previously noted, I expected her Cr to fall during her pregnancy but it has remained somewhat stable so far. Also as previously discussed, her renal function may decline overall due to the stress of pregnancy with hyperfiltration.
 - Main focus remains risk factor modification, specifically BP control.
 - She does understand that her overall course is expected to be progression to ESRD.
2. Pregnancy: - We have previously discussed the risks during the pre-conception period, including worsening CKD and pre-eclampsia.
 - She is following with both OB and high risk OB.
 - She had several questions today about the potential need for early delivery, and whether this might spare her kidneys. From the renal perspective, there is no compelling indication to prophylactically deliver the fetus before full term as a measure to spare kidney function. In my opinion, any decision regarding early pregnancy termination will be at the discretion of OB/MFM and Mrs. Ballout. I did review potential scenarios in which this may be relevant, most notably the development of pre-eclampsia.
3. Proteinuria: - She has developed some mild proteinuria during pregnancy, which likely reflects hyperfiltration. We will continue to monitor this, and can consider more aggressive BP control.
4. HTN: - BP reasonably controlled overall. No changes to current regimen.
 - I am largely deferring BP medication titration to OB/MFM, but am available to weight in as needed.

RTC 3 months.

Signed by Heung, Michael, MD on 6/1/2016 12:07 PM

Progress Notes by Heung, Michael, MD at 9/14/2016 10:55 AM

Printed on 11/2/17 7:25 AM



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/14/2016 10:55 AM (continued)

Author: Heung, Michael, MD	Service: (none)	Author Type: Physician
Filed: 9/14/2016 8:31 PM	Encounter Date: 9/14/2016	Note Type: Progress Notes
Status: Signed	Editor: Heung, Michael, MD (Physician)	

Subjective:

Patient ID: Leila Ballout is a 36 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13 and she presents today for follow-up of her HTN and CKD.

HPI

Mrs. Ballout is now 31 weeks pregnant. She is following with high-risk OB every 2 weeks. She tells me that over the past few weeks she has had some more swelling, and also increased BP. Recent values at home have been in the 140/80 range. She denies any significant headaches or blurry vision. She tells me that her OB team is aware.

Otherwise she is feeling reasonably well. She notes a good energy level and appetite. She does have her usual abdominal pain, but this is manageable. She denies any urinary symptoms or episodes of hematuria.

She has sleep difficulty due to pregnancy-related discomfort. She denies SOB or CP. She denies any recent illnesses and has not had any fevers or chills.

She denies any issues with lightheadedness. She has not had any syncope or pre-syncope and has not fallen.

Review of Systems

The remainder of her ROS is unremarkable per patient.

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

Outpatient Prescriptions Prior to Visit

Medication	Sig	Dispense	Refill
• aspirin 81 mg chewable tablet	Chew 81 mg and swallow once daily.		
• labetalol (TRANDATE) 100 mg tablet	Take 1 tablet by mouth two times daily.	180 tablet	3
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth once daily.		

No facility-administered medications prior to visit.
No longer taking ASA

Objective:

Physical Exam

Filed Vitals:

09/14/16 1021



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/14/2016 10:55 AM (continued)

BP: 149/78
Pulse: 71
Temp:

Wt Readings from Last 3 Encounters:

09/14/16 92.262 kg (203 lb 6.4 oz)
06/01/16 80.287 kg (177 lb)
03/23/16 77.021 kg (169 lb 12.8 oz)

NAD
Anicteric, no OP lesions
Supple, no LAD, MMM
RRR, no murmur
Clear throughout
Soft, gravid and protuberant, no flank tenderness
No signif LE edema
Alert, oriented fully, grossly non-focal

Laboratory Data:

Lab Results

Component	Value	Date
CREATININE	1.91*	9/14/2016
CO2	21*	9/14/2016
GLUCOSE	77	9/14/2016
UREANITROGE	37*	9/14/2016
N		
SODIUM	136	9/14/2016
POTASSIUM	4.4	9/14/2016
CHLORIDE	109*	9/14/2016
CALCIUM	8.6	9/14/2016
PHOS	3.4	9/14/2016
ALBUMINLEVEL	3.4*	9/14/2016

9/15/15 Cr 2.17

5/25/16 BUN 30, Cr 1.82

3/23/16 25OH vit D 41, PTH 211

Lab Results

Component	Value	Date
WBC	5.4	9/14/2016
HGB	9.1*	9/14/2016
HEMATOCRIT	25.6*	9/14/2016
PLATELET	111*	9/14/2016
RBC	2.76*	9/14/2016
MCV	92.8	9/14/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/14/2016 10:55 AM (continued)

MCH	33.0*	9/14/2016
MCHC	35.5*	9/14/2016
RDW	12.8	9/14/2016
MPV	10.8	9/14/2016

Lab Results

Component	Value	Date
IRON	83	3/23/2016
IRONBINDING	348	3/23/2016
FRTN	28.5	3/23/2016
TRANSSAT	24	3/23/2016

Lab Results

Component	Value	Date
COLORURINE	Normal	9/14/2016
APPEARANCEUR	Normal	9/14/2016
SPECIFICGRAV	1.009	9/14/2016
PHURINE	6.0	9/14/2016
LEUKOCYTEEST	Negative	9/14/2016
NITRITEURINE	Negative	9/14/2016
PROTEINURINE	100*	9/14/2016
PROTEINURINE	93.8	9/14/2016
GLUCOSEURINE	Normal	9/14/2016
KETONESURINE	Negative	9/14/2016
UROBILINURIN	Normal	9/14/2016
BILIRUBINURI	Negative	9/14/2016
BLOODURINE	10*	9/14/2016

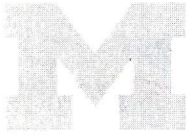
3/23/16 UPC 0.17
6/1/16 UPC 0.43
9/14/16 UPC 1.45

Assessment:

Mrs. Leila Ballout is a 36 y.o. Lebanese female with PKD and HTN. She presents today for follow-up.

Plan:

- PKD/CKD: - Does have CKD stage 3, and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - Her baseline Cr since 2014 (based on outside labs) has been in the 1.6-1.9 range.
 - As previously noted, her renal function may more acutely decline due to the stress of pregnancy with hyperfiltration.
 - Main focus remains risk factor modification, specifically BP control.
 - She does understand that her overall course is expected to be progression to ESRD.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/14/2016 10:55 AM (continued)

2. Pregnancy: - I expressed concern today about her elevated BP and edema. I emphasized the importance of close follow-up with her OB.

- She asked me about preeclampsia and we talked about her increased risk for this and the fact that she may have to deliver prematurely if preeclampsia develops. Again, I am deferring primary follow-up to high-risk OB.

3. Proteinuria: - She has developed some mild proteinuria during pregnancy and this appears worsened today, which likely reflects hyperfiltration. We will continue to monitor this, but further management (e.g. ACEI or ARB) is limited until after her delivery.

- Must keep in mind that pre-eclampsia is on the differential as well. Once again, I encouraged close follow-up with her high-risk OB team.

RTC 3 months (post-partum).

Signed by Heung, Michael, MD on 9/14/2016 8:31 PM

Progress Notes by Heung, Michael, MD at 10/26/2016 10:37 AM

Author: Heung, Michael, MD
Filed: 10/26/2016 11:34 PM
Status: Signed

Service: (none)
Encounter Date: 10/26/2016
Editor: Heung, Michael, MD (Physician)

Author Type: Physician
Note Type: Progress Notes

Subjective:

Patient ID: Leila Ballout is a 36 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13. In 2016 she had a pregnancy complicated by preeclampsia requiring early delivery of a healthy baby in September. She presents today for follow-up of her CKD post-partum.

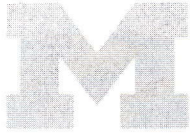
HPI

Mrs. Ballout is now about 4 weeks post-partum. Her pregnancy became complicated by pre-eclampsia and she delivered a baby girl via C-section at 33 weeks gestation. The baby was in the NICU for almost 3 weeks but is doing well at home now. Following delivery, she continued to have some high BP and was discharged on hydralazine and nifedipine. Of note, she is not breastfeeding.

Recently she has been having significant issues with dizziness and fatigue. She denies any falls or syncope. She stopped taking the nifedipine last week. Recent home BPs have been in the systolic 130's range. She has had some headaches but denies any visual changes.

Before her delivery she developed significant edema, but this has gradually improved since her delivery. She denies any SOB or CP.

She also complains of GI issues, including some heartburn. She also reports gas pains.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 10/26/2016 10:37 AM (continued)

She denies any urinary symptoms. She has not noted any hematuria. She denies any recent fevers or chills.

Review of Systems

The remainder of her ROS is unremarkable per patient.

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

Outpatient Medications Prior to Visit

Medication	Sig	Dispense	Refill
• labetalol (TRANDATE) 100 mg tablet	Take 1 tablet by mouth two times daily. (Patient taking differently: Take 400 mg by mouth three times daily.)	180 tablet	3
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth once daily.		

No facility-administered medications prior to visit.

Objective:

Physical Exam

Vitals:

10/26/16 1003

BP: 119/71

Pulse: 81

Temp:

Wt Readings from Last 3 Encounters:

10/26/16 83.4 kg (183 lb 12.8 oz)

09/14/16 92.3 kg (203 lb 6.4 oz)

06/01/16 80.3 kg (177 lb)

NAD

Anicteric, no OP lesions

Supple, no LAD, MMM

RRR, no murmur

Clear throughout

Soft, lower abd transverse C-section scar well-healed with no dehiscence or drainage;

Mild L mid-upper quadrant tenderness, palpable kidney; no flank tenderness

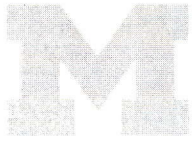
No signif LE edema

Alert, oriented fully, grossly non-focal

Laboratory Data:

Lab Results

Component	Value	Date
-----------	-------	------



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 10/26/2016 10:37 AM (continued)

Component	Value	Date
CREATININE	3.14 (H)	10/26/2016
SODIUM	141	10/26/2016
POTASSIUM	4.4	10/26/2016
CHLORIDE	107	10/26/2016
CO2	25	10/26/2016
GLUCOSE	89	10/26/2016
UREA NITROGEN	42 (H)	10/26/2016
CALCIUM	9.4	10/26/2016
PHOSPHORUS LEVEL	3.6	10/26/2016
ALBUMIN	3.7	10/26/2016

9/15/15 Cr 2.17

5/25/16 BUN 30, Cr 1.82

3/23/16 25OH vit D 41, PTH 211

Lab Results

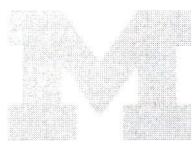
Component	Value	Date
WBC	4.4	10/26/2016
HGB	8.7 (L)	10/26/2016
HCT	26.2 (L)	10/26/2016
PLT	163	10/26/2016
RBC	2.77 (L)	10/26/2016
MCV	94.6	10/26/2016
MCH	31.4	10/26/2016
MCHC	33.2	10/26/2016
RDW	13.9	10/26/2016
MPV	9.7	10/26/2016

Lab Results

Component	Value	Date
IRON LEVEL	83	03/23/2016
IRON BINDING CAPACITY	348	03/23/2016
FERRITIN	28.5	03/23/2016
PERCENT TRANSFERRIN SATURATION	24	03/23/2016

Lab Results

Component	Value	Date
COLOR, URINE	Normal	10/26/2016
APPEARANCE, URINE	Slightly Cloudy	10/26/2016
URINE SPECIFIC GRAVITY	1.007	10/26/2016
PH, URINE	6.0	10/26/2016
LEUKOCYTE ESTERASE, URINE	25 (A)	10/26/2016
URINE NITRITE	Negative	10/26/2016
PROTEIN, URINE	100 (A)	10/26/2016
PROTEIN, URINE RANDOM	203.6	10/26/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 10/26/2016 10:37 AM (continued)

GLUCOSE, URINE	Normal	10/26/2016
URINE KETONE	Negative	10/26/2016
UROBILINOGEN, URINE	Normal	10/26/2016
URINE BILIRUBIN	Negative	10/26/2016
BLOOD, URINE	50 (A)	10/26/2016

3/23/16 UPC 0.17
6/1/16 UPC 0.43
9/14/16 UPC 1.45
10/26/16 UPC 3.14

Assessment:

Mrs. Leila Ballout is a 36 y.o. Lebanese female with PKD and HTN, with resultant CKD. She presents today for follow-up after her recent pregnancy was complicated by preeclampsia requiring C-section.

Plan:

1. PKD/CKD: - She had CKD stage 3 at baseline (Cr 1.6-1.9 range), and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - During her pregnancy, her Cr remained in her baseline range but then increased significantly in late September to 2.7-3.4 range. This was in clinical setting of preeclampsia, and she had a C-section on 9/23/16. Her Cr today remains elevated in the higher range, and this may represent a new baseline although I think that she may still have some renal function recovery.
 - Her overall course is expected to be progression to ESRD given underlying PKD.
 - Main focus remains risk factor modification, specifically BP control.
2. Proteinuria: - She developed some mild proteinuria during pregnancy and this worsened during preeclampsia to nephrotic range. Today's urine shows persistent proteinuria, which may be the residual effects of her preeclampsia. This may improve.
 - Low threshold to switch BP regimen to include ACEI or ARB; of note, she is not breast-feeding.
3. Anemia: - Recent labs showed iron deficiency and she has been prescribed oral iron. Will follow for progress and consider need for IV iron and/or ESA therapy, especially if her renal function does not improve and anemia persists despite iron repletion.
4. GERD: - She has significant symptoms despite being on H2-blocker.
 - Trial of PPI (omeprazole daily). If symptoms persist, will refer to GI for additional evaluation.
5. HTN: - BP has been improving significantly since her delivery and she is actually symptomatically orthostatic. She has taken herself off 2 BP meds already, and this appears to be appropriate given her symptoms and today's recorded BP.
 - Given persistent fatigue (although most likely multifactorial), I suggested that we cut down her labetalol from 400 TID to 400 BID. She will monitor her BPs and update me. If she continues to have lightheadedness/fatigue, I will continue to wean this down.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 10/26/2016 10:37 AM (continued)

- As noted above, low threshold to switch to ACEI or ARB given proteinuria.

6. ESRD Planning: - We have had some brief discussions in the past. She is somewhat familiar with the options given her father's prior experience.

- Referral for formal transplant eval.

RTC 2 months to follow-up BP.

Signed by Heung, Michael, MD on 10/26/2016 11:34 PM

Progress Notes by Heung, Michael, MD at 12/28/2016 11:24 AM

Author: Heung, Michael, MD
Filed: 12/29/2016 10:24 AM
Status: Signed

Service: (none)
Encounter Date: 12/28/2016
Editor: Heung, Michael, MD (Physician)

Author Type: Physician
Note Type: Progress Notes

Subjective:

Patient ID: Leila Ballout is a 37 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13. In 2016 she had a pregnancy complicated by preeclampsia requiring early delivery of a healthy baby in September. She presents today for routine CKD follow-up.

HPI

Mrs. Ballout tells me that she is doing fairly well overall. She is enjoying her new baby, who "is always smiling".

She has been following her BP at home and getting many values in the systolic 150 range. She is no longer having any significant issues with dizziness or lightheadedness, which was an issue at our last visit. She denies any headache or visual changes.

She denies any SOB or CP. She notes occasional very mild edema.

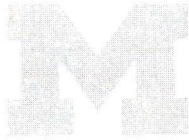
She notes a very good energy level and has recently been going to the gym 3 times a week to exercise. She has a good appetite and denies any nausea or vomiting. However, she does have GERD symptoms and was recently diagnosed with H. Pylori.

She denies any urinary symptoms. She has not noted any hematuria. She denies any recent fevers or chills.

She denies any abdominal pain.

Review of Systems

The remainder of her ROS is unremarkable per patient.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 12/28/2016 11:24 AM (continued)

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

Outpatient Medications Prior to Visit

Medication	Sig	Dispense	Refill
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth once daily.		
• labetalol (TRANDATE) 200 mg tablet	Take 2 tablets (400 mg) by mouth two times daily.	360 tablet	3
• omeprazole (PriLOSEC) 20 mg delayed release capsule	Take 1 capsule (20 mg) by mouth once daily, 30 min prior to meal.	90 capsule	4

No facility-administered medications prior to visit.

Objective:

Physical Exam

Vitals:

12/28/16 1051
BP: 145/84
Pulse: 75
Temp:

Wt Readings from Last 3 Encounters:

12/28/16 84.3 kg (185 lb 12.8 oz)
10/26/16 83.4 kg (183 lb 12.8 oz)
09/14/16 92.3 kg (203 lb 6.4 oz)

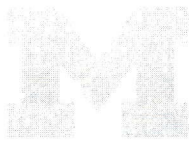
NAD

Anicteric, no OP lesions
Supple, no LAD, MMM
RRR, no murmur
Clear throughout
Mild L mid-upper quadrant tenderness, palpable kidney; no flank tenderness
No signif LE edema
Alert, oriented fully, grossly non-focal

Laboratory Data:

Lab Results

Component	Value	Date
CREATININE	3.19 (H)	12/28/2016
SODIUM	141	12/28/2016
POTASSIUM	4.4	12/28/2016
CHLORIDE	109 (H)	12/28/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 12/28/2016 11:24 AM (continued)

Component	Value	Date
CO2	25	12/28/2016
GLUCOSE	90	12/28/2016
UREA NITROGEN	41 (H)	12/28/2016
CALCIUM	9.3	12/28/2016
PHOSPHORUS LEVEL	4.4	12/28/2016
ALBUMIN	4.1	12/28/2016

9/15/15 Cr 2.17

5/25/16 BUN 30, Cr 1.82

3/23/16 25OH vit D 41, PTH 211

Lab Results

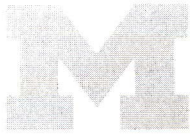
Component	Value	Date
WBC	3.8 (L)	12/28/2016
HGB	9.8 (L)	12/28/2016
HCT	29.4 (L)	12/28/2016
PLT	157	12/28/2016
RBC	3.22 (L)	12/28/2016
MCV	91.3	12/28/2016
MCH	30.4	12/28/2016
MCHC	33.3	12/28/2016
RDW	13.5	12/28/2016
MPV	9.8	12/28/2016

Lab Results

Component	Value	Date
IRON LEVEL	50	12/28/2016
IRON BINDING CAPACITY	332	12/28/2016
FERRITIN	23.7	12/28/2016
PERCENT TRANSFERRIN SATURATION	15 (L)	12/28/2016

Lab Results

Component	Value	Date
COLOR, URINE	Normal	12/28/2016
APPEARANCE, URINE	Normal	12/28/2016
URINE SPECIFIC GRAVITY	1.006	12/28/2016
PH, URINE	5.5	12/28/2016
LEUKOCYTE ESTERASE, URINE	Negative	12/28/2016
URINE NITRITE	Negative	12/28/2016
PROTEIN, URINE	100 (A)	12/28/2016
PROTEIN, URINE RANDOM	101.1	12/28/2016
GLUCOSE, URINE	Normal	12/28/2016
URINE KETONE	Negative	12/28/2016
UROBILINOGEN, URINE	Normal	12/28/2016
URINE BILIRUBIN	Negative	12/28/2016
BLOOD, URINE	10 (A)	12/28/2016



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 12/28/2016 11:24 AM (continued)

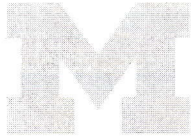
3/23/16 UPC 0.17
6/1/16 UPC 0.43
9/14/16 UPC 1.45
10/26/16 UPC 3.14
12/28/16 UPC 2.42

Assessment:

Mrs. Leila Ballout is a 37 y.o. Lebanese female with PKD and HTN, with resultant CKD. She had a pregnancy complicated by preeclampsia in September 2016. She presents today for follow-up of PKD/CKD.

Plan:

1. PKD/CKD: - She had CKD stage 3 at baseline (Cr 1.6-1.9 range), and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - During her pregnancy, her Cr remained in her baseline range but then increased significantly in late September to 2.7-3.4 range. This was in clinical setting of preeclampsia, and she had a C-section on 9/23/16. Her Cr today remains persistently elevated in the low 3's, suggesting that this may represent a new baseline for her. Unfortunately, this is in the late stage 4 CKD range.
 - Clinically she does have fatigue but also many reasons to be fatigued. She otherwise does not appear uremic and there are no urgent indications to pursue dialysis initiation. However, we do need to begin ESRD preparations as discussed below.
 - Main focus otherwise remains risk factor modification, specifically BP control.
2. ESRD Education/Planning: - We have had brief discussions in the past, and she is somewhat familiar with the options given her father's prior experience. She has not yet decided on a dialysis modality.
 - After our last visit I referred her for formal transplant evaluation. She has an appt for formal transplant eval on 1/17/17. She also has some potential living donors, including her husband.
3. Anemia: - Labs from a few months ago showed iron deficiency and she has been taking oral iron. Today's iron studies show persistently low iron stores.
 - Hb significantly improved from last visit, and now near target range.
 - Continue PO iron for now given improvement in Hb, but low threshold to transition to IV iron infusions.
4. Metabolic Bone Disease: - Evidence of secondary hyperparathyroidism. Phos and calcium controlled in normal range, and nutritional vitamin D stores intact.
 - Will consider initiation of active vitamin D therapy.
5. GERD: - She has some significant symptoms despite being on H2-blocker.
 - Would consider trial of PPI. From a renal perspective it is reasonable to take PPI given her severity of symptoms.
 - Will also consider referral to GI if symptoms do not respond to PPI.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 12/28/2016 11:24 AM (continued)

6. HTN: - BP was actually on low end and she was symptomatic at our last visit, so we cut her nifedipine and decreased her labetalol. Now her BP is back up into the hypertensive range based on home readings.
- Adding amlodipine 5mg daily. She will continue to follow her BPs at home and update me.

RTC 2 months to follow-up BP and further ESRD planning.

Signed by Heung, Michael, MD on 12/29/2016 10:24 AM

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM

Author: Smitherman, Lauren, MSW Service: (none) Author Type: Social Work
Filed: 1/27/2017 2:13 PM Encounter Date: 1/17/2017 Note Type: Progress Notes
Status: Signed Editor: Smitherman, Lauren, MSW (Social Work)

AMBULATORY MEDICAL SOCIAL WORK PSYCHOSOCIAL ASSESSMENT

REASON FOR CONSULT: Transplant Psychosocial Assessment

TYPE OF CONTACT: Kidney Transplant Evaluation- Taubman Center

Face-to-face. Who is present at meeting if face-to-face: patient

ASSESSMENT:

• **DEMOGRAPHIC / PATIENT INFORMATION:**

Leila Ballout is a 37 y.o. Arab or Middle Eastern Female patient who was referred to and seen by Social Work as part of her evaluation for renal transplant. She has end-stage renal disease secondary to polycystic kidney disease. She is not yet on dialysis. All major areas that indicate ability to cope with the challenges of transplant were assessed. Please refer to the medical record for additional medical information.

-At this point, she identified her spouse, mother, and uncles as having expressed interest in being considered as a possible kidney donor for her.

-- Ms. Ballout was accompanied to clinic by: spouse who did not participate in this interview. The entirety of the assessment was conducted with the patient alone. Spouse was meeting with the living donor coordinator at the time of this assessment.

-- Karnofsky score: 80 Normal activity with effort; some signs or symptoms of disease.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

Ms. Ballout lives at 6130 Reuter St
Dearborn MI 48126-2262 which is less than 1 hour from the medical center.

- Relationship Status: Married, 7 years
- Children: 2 minor children, aged 5 and 3 months
- Resides with: with a spouse and minor children and 22 year old brother
- Transportation: Patient has a vehicle and is able to drive.

- Education: Associate/Bachelor Degree
- Learning Style: not assessed at this time
- Barriers to Learning: denied
- REALM-SF: 6 indicating a health literacy level of 7th-8th grade; will struggle with most patient education materials, will not be offended by low-literacy materials

- Citizenship: U.S Citizen. She immigrated to the United States from Lebanon in 2014.
- Country of Permanent Residence: United States
- US Veteran: no

● **ADHERENCE TO TREATMENT PLAN:**

- Problems adhering to treatment plan: denies
- Problems adhering to current medication regimen: No
- Manages medications independently: Yes
- Her father receiving a living donor transplant and it has lasted for the past 20+ years. She feels that she is going into transplant with some knowledge and understanding of the experience.

Adherence is currently a barrier to immediate transplant listing: no

● **SUPPORT SYSTEMS:**

- Primary caregiver for transplant: brother, Todd Ballout, 313-270-3341
- Supplemental caregiver(s) for transplant: aunts, Amal Khalil 313-632-0300, and Hind Khalil 313-247-2612
- Family that lives nearby: brother, aunts, and uncles

The expectations of caregivers was reviewed including but not limited to participation during clinic visits and hospital stays, 24/7 support following transplant surgery discharge, transportation, as well as advocacy with the medical team.

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

The patient articulated the following for her Care & Support Plan:

- 24/7 Driver: brother and aunts
- Support person while in the hospital: brother and aunts
- Support person for clinic visits: brother and aunts
- In--home support following discharge: brother and aunts
- Weekly driver: brother and aunts
- Concerns about necessary support for transplant: No
- Patient has completed the Care & Support Plan for transplant sufficiently: yes

Ms. Ballout appears to understand and appreciate the importance of social support for both pre-- and post--transplant: yes

Ms. Ballout appears to have adequate support for transplant. Ms. Ballout did not identify her spouse as a support person because he is planning on being testing for living donation. SW discussed the importance of having a childcare plan for her transplant. She reports excellent support from her family that lives closeby. She feels comfortable with her family watching her children while she is recovery. SW spoke with patient's brother, Todd, and her aunt, Amal, and reviewed the support need post-transplant. Her brother owns his own business and has flexibility. He confirmed that he can provide the needed support. Her aunt is retired and able to drive. She also confirmed her ability to provide the requested support.

Social support is currently a barrier to immediate transplant listing: no

- **MENTAL HEALTH:** PHQ-9: 2 indicating minimal depression GAD-7: 0 indicating no clinical anxiety
- Mental Health Diagnosis: No
- Psychotropic Medications: No
- Outpatient Therapy: denied
- Current Mental Health Providers: No
- Psychiatric Hospitalization History: denied
- Current thoughts of suicide or self harm: denied
- Release of Information required for care coordination with mental health provider: No

- Patient's identified coping style: Enjoys listening to music and dancing
- Spirituality identified as important to patient's coping: Yes
- Stated Religious Preference: Muslim
- Cultural/Religious Accommodations Needed: No

-- Ms. Ballout shared that her kidney functioned worsened during her most recent pregnancy. She shared that she had some complications and had to deliver at 32 weeks. Her baby was in the NICU was 30 days. Her baby is now 3 months old and doing well. She reports that the last few months have been challenging but she has



MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

had good family support. Several of her family members flew in from Lebanon to provide support. She admits that she has not been thinking too much about transplant because she will start to worry. She tries to maintain a positive attitude. She does feel emotional at times when she thinks about her declining kidney function and her overall health. Overall, Ms. Ballout appears to have good coping skills and is appropriately managing multiple stressors.

Mental health is currently a barrier to immediate transplant listing: No.

● **PATIENT SUBSTANCE USE/ABUSE:**

- Current tobacco use: Denied. Occasionally a hookah.
- History of tobacco use: never
- Quit date: N/A

- Current Alcohol use: Reports very minimal alcohol use- occasionally has a sip of her husband's wine
- Significant history of alcohol use: no significant history of alcohol use
- History of negative or legal consequences related to alcohol use: Denied
- History of treatment for alcohol abuse: Denied

- Current marijuana use: Denied
- Other illicit drug use: Denied
- History of negative or legal consequences related to drug possession or use: Denied
- History of treatment for drug use: Denied

- Current use of prescription pain medication: Denied. MAPS was reviewed. No concerns identified.
- Pain Protocol required: No

Substance use/abuse is currently a barrier to immediate transplant listing: No

● **LEGAL HISTORY:** denied

● **ABUSE/VIOLENCE:**

- History of or current abuse/violence/neglect concerns: denied any history of physical, sexual, or emotional abuse
- Current concerns for safety: denied any history of physical, sexual, or emotional abuse

● **EMPLOYMENT/FINANCIAL/INSURANCE:**

EMPLOYMENT:



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

-- Patient working for Income: No Unemployed. Reports no significant formal work history. While in Lebanon, she did some work as a makeup artist.
-- Spouse Employment: Currently employed full time at a car wash

FINANCIAL:

--Sources of Income: salary/wages
--Financial Concerns: none

INSURANCE:

Primary Coverage

Payor	Plan	Sponsor Code	Group Number	Group Name	Payor Address	Payor Phone
MOLINA HEALTHCA RE	MOLINA MEDICAID MI HMP		TQMXEMO 1555		PO BOX 22668 LONG BEACH, CA 90801	888-898-7969

Primary Subscriber

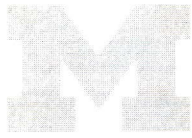
1	Subscriber Name	Subscriber SSN	Subscriber Address
1120140700	BALLOUT,LEILA	xxx-xx-7130	22308 Abbey Ln Dearborn, MI 48124-2243

-- Insurance initially appears sufficient for transplant: yes
-- Patient reported financial/insurance concerns which may impact adherence: no
-- Patient is eligible for Medicare's extension of benefits for immunosuppression: No, Medicare eligibility is based on ESRD
-- Patient reported understanding of importance of maintaining insurance coverage for rest of her life: yes

This coverage is being confirmed by the Transplant Center Finance Office. Will defer financial clearance to the Financial Coordinator.

• **TRANSPLANT EDUCATION:**

- The usual course of patients requiring transplant
- Orientation to the listing process
- The length of the average wait for cadaveric transplant
- The option of living donor transplant



MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

- The psychosocial stresses of the transplant process
- The side effects of medications
- The need for practical and emotional support
- The importance of clinic follow up and the need for transportation to clinic for at least the first 6 weeks of visits
- The importance of adhering to the medical regimen
- Returning to work and other pre-transplant roles
- The necessity of collaboration with the dialysis social worker at times
- Resources for assistance with these issues
- Provided my contact information and encouraged patient to contact me as needed

CLINICAL IMPRESSION:

Ms. Ballout presents with a pleasant manner and appropriate affect. The patient asked appropriate questions which were answered to their apparent satisfaction.

Ms. Ballout appears to understand the importance of adhering to her medication and clinic schedules after transplant. No specific problems were identified in the patient's ability to understand and comply with the treatment regimen after transplant. No specific barriers were noted to the patient or family's ability to be educated by hospital staff about the details of the patient's illness or care. Ms. Ballout appears to have an appropriate understanding of her disease and of the treatment options available to her.

Stanford Integrated Psychosocial Assessment for Transplant (SIPAT)

A. Patient Readiness Level Score	4
B. Social Support System Score	6
C. Psychological Stability & Psychopathology Score	0
D. Effect of Substance Use Score	3
SIPAT Total Score	13
SIPAT Interpretation	Good candidate
Presence of Absolute Contraindications	

Other factors to be considered for final psychosocial recommendations (These may vary according to the institutional criteria)

PLAN/RECOMMENDATION(S):

After evaluating Ms. Ballout's psychosocial situation, I feel that there are no significant problems that were identified that would prevent her from being an acceptable candidate for transplant.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Smitherman, Lauren, MSW at 1/17/2017 1:50 PM (continued)

--This evaluation will be shared with the Renal Transplant Evaluation Committee for their consideration of the patient.

--Social Work Department follow-up will be provided at her yearly pre-transplant clinic appointments, as an inpatient, and at other times on an as needed basis.

Please contact Lauren Smitherman, LMSW at (734) 936-3124 or pager 3360, as needed.

Weekend/after hours social work information:

For Saturday & Sunday: Mott/Brandon/OB, 8:00a-6:00p pager #5716.

For Saturday & Sunday: UH/CVC 8:00a--4:30p, pager #31421.

Referrals that cannot wait outside these hours: Adult ED Social Worker (#3365) or Pediatric ED Social Worker (#35305)

Signed by Smitherman, Lauren, MSW on 1/27/2017 2:13 PM

Progress Notes by Christopher, Derrick Andrew, MD at 1/17/2017 2:07 PM

Author: Christopher, Derrick Andrew, Service: (none) Author Type: Physician
MD
Filed: 1/23/2017 10:51 AM Encounter Date: 1/17/2017 Note Type: Progress Notes
Status: Signed Editor: Christopher, Derrick Andrew, MD (Physician)

I saw Leila Ballout in the University of Michigan Kidney and Kidney/Pancreas Transplant Evaluation Clinic. She is a 37 y.o. Female who is being evaluated as a potential kidney transplant recipient. The patient's kidney failure is chronic/longstanding, and due to PCKD. The patient has not started dialysis. Symptoms associated with her renal failure include fatigue. Her renal function dropped in the past few months after developing pre-eclampsia with her last pregnancy. Today her GFR in 15.

Additional relevant history: - previous symptomatic peripheral vascular disease, - previous revascularization (type)-, - amputation due to PVD, - COPD, - DVT/PE, - diabetes, - CAD, - MI.

She has the following past medical and surgical history:

Past medical history:

Past Medical History

Diagnosis

Date

- Hypertension
- Kidney disease
- Kidney stone

PCKD

Surgical history:

C-section

Appendectomy



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Christopher, Derrick Andrew, MD at 1/17/2017 2:07 PM (continued)

R Knee synovitis resection

Problem List:

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)

Allergies

Allergen

Reactions

- | | |
|--|----------------------|
| • Antibiotic [Neomy-Bacit-Polymyx-Praxoxine]
<i>Yeast infection</i> | Other (See Comments) |
| • Malt Extract | Unknown |

Outpatient Medications Prior to Visit

Medication	Sig	Dispense	Refill
• labetalol (TRANDATE) 200 mg tablet	Take 2 tablets (400 mg) by mouth two times daily.	360 tablet	3
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth once daily.		
• amLODIPine (NORVASC) 5 mg tablet	Take 1 tablet (5 mg) by mouth once daily.	90 tablet	4

No facility-administered medications prior to visit.

SH:

History

Smoking Status

- Passive Smoke Exposure - Never Smoker

Smokeless Tobacco

- Never Used

Comment: Hookah - occassionally

...

FH:

Family History

Problem

Relation

Age of Onset

- | | | |
|------------------|---------|--|
| • Kidney disease | Father | |
| • Kidney disease | Brother | |

Functional status and ROS: Leila Ballout has no difficulty with activities of daily living. Overall, 10 systems were reviewed and otherwise negative except as noted above.

Physical exam:

Vitals:

01/17/17 1246



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Notes Report

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Encounter date: 1/17/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Christopher, Derrick Andrew, MD at 1/17/2017 2:07 PM (continued)

BP: 161/88
 BP Location: Right arm
 BP: Patient Sitting
 position:
 BP Cuff Adult 23-33 cm
 Information:
 Pulse: 64
 Resp: 16
 Temp: 36.6 °C (97.9 °F)
 TempSrc: Oral
 Weight: 81.5 kg (179 lb 10.8 oz)
 Height: 1.702 m (5' 7")

Body mass index is 28.14 kg/(m²).

Gen: NAD

HEENT: No scleral icterus, EOML

Skin: No jaundice or rashes

Psych: Appropriate affect, A&Ox4

Neuro: MAEx4, no focal defects

CV: RRR palp

Pulm: No audible wheezes or rhonchi

Abd: sNTND, no R/G, No HSM, Iliac crests palpable, Kidneys palpable at the level of the iliac crest

GU: No CVAT

Ext: No CCE. Femoral pulses 2+/2+

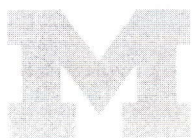
Labs were reviewed: (v2)

Kidney function:

Lab Results	Value	Date
Component		
CREATININE	3.45 (H)	01/17/2017
UREA	36 (H)	01/17/2017
NITROGEN		

Other metabolic:

Lab Results	Value	Date
Component		
SODIUM	140	01/17/2017
POTASSIUM	4.6	01/17/2017
CO2	24	01/17/2017
CALCIUM	9.3	01/17/2017
ALBUMIN	4.1	01/17/2017
ALBUMIN	4.1	01/17/2017
25-HYDROXY	36	12/28/2016
VIT D		
PARATHYROID HORMONE, INTACT	359 (H)	01/17/2017



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Notes Report

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Encounter date: 1/17/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Christopher, Derrick Andrew, MD at 1/17/2017 2:07 PM (continued)

AST	13	01/17/2017
ALT	8	01/17/2017
CHOLESTEROL	151	09/04/2015
TRIGLYCERIDE	50	09/04/2015
SEX		
HDL EX	56	09/04/2015
LDL,	85	09/04/2015
CALCULATED		
LDL, DIRECT EX	Not Reported	09/04/2015
GLUCOSE	84	01/17/2017
HEMOGLOBIN	4.6	01/17/2017
A1C		

Hematology:

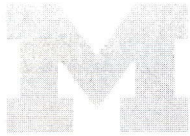
Lab Results

Component	Value	Date
WBC	5.8	01/17/2017
HGB	9.7 (L)	01/17/2017
PLT	154	01/17/2017
IRON LEVEL	50	12/28/2016
IRON BINDING CAPACITY	332	12/28/2016
FERRITIN	23.7	12/28/2016

Urinalysis:

Lab Results

Component	Value	Date
APPEARANCE, URINE	Normal	12/28/2016
URINE SPECIFIC GRAVITY	1.006	12/28/2016
PH, URINE	5.5	12/28/2016
URINE NITRITE	Negative	12/28/2016
PROTEIN, URINE RANDOM	102.6	01/17/2017
GLUCOSE, URINE	Normal	12/28/2016
URINE KETONE	Negative	12/28/2016
UROBILINOGEN, URINE	Normal	12/28/2016
URINE BILIRUBIN	Negative	12/28/2016
BLOOD, URINE	10 (A)	12/28/2016
PROTEIN/CREATININE RATIO	1.52 (H)	01/17/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Christopher, Derrick Andrew, MD at 1/17/2017 2:07 PM (continued)

Radiology:

CXR - Not reviewed

Assessment and Plan: In summary, Leila Ballout is a 37 y.o. female who is being evaluated as a potential kidney transplant recipient. Overall, she is an acceptable candidate. She has large kidneys but I think we can do a kidney transplant without a nephrectomy. Issues to resolve include the following: ongoing recipient workup, no specific surgical concerns. Age appropriate cancer screening according to ACS guidelines is recommended.

We discussed kidney transplantation, the deceased donor waiting list and how that works, the transplant operation, recovery from a transplant, the risks of immunosuppression, the need for lifelong immunosuppression, and the risks of donor-derived infection or malignancy, as well as the risks of PNF and rejection. We also discussed surgical complications of the operation (including CV, pulmonary, VTE, infectious, hernias, damage to nearby structures, et cetera), as well as the different types of donors and the expected outcomes from each. We discussed living donation, and encouraged exploration for a donor by the patient should it be appropriate for her situation. The patient was able to ask several questions about the process, and these were answered.

Her case will be discussed at the next multidisciplinary evaluation committee meeting, where we will make further recommendations.

Derrick Andrew Christopher, MD
1/17/2017, 2:07 PM

Signed by Christopher, Derrick Andrew, MD on 1/23/2017 10:51 AM

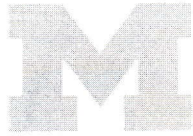
Progress Notes signed by Naik, Abhijit, MBBS at 1/23/2017 11:29 AM

Author: Naik, Abhijit, MBBS	Service: Transplant Nephrology-Consult	Author Type: Physician
Filed: 1/23/2017 11:29 AM	Encounter Date: 1/17/2017	Note Type: Progress Notes
Status: Signed	Editor: Naik, Abhijit, MBBS (Physician)	

Dear Colleagues,

I had the pleasure of seeing Ms. Leila Ballout at the University of Michigan Kidney and Pancreas Transplant Evaluation Clinic in Ann Arbor, Michigan on January 17, 2017.

As you know, Ms. Ballout is a very pleasant 37-year-old Lebanese woman with a past medical history of polycystic kidney disease who more recently has had progressive decline in her kidney function after her second pregnancy was complicated by preeclampsia. Her current GFR is estimated to be at 15 mL per minute. However, she denies any symptoms suggestive of lower extremity swelling, dyspnea on exertion or any other uremic signs and symptoms. She has potential multiple living donors including her husband who could come forward for donation.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes signed by Naik, Abhijit, MBBS at 1/23/2017 11:29 AM (continued)

With regards to her kidney history, Ms. Ballout was first diagnosed with polycystic kidney disease at the age of 15 and has had a stable kidney function rate as mentioned above until the onset of her second pregnancy. She is very apprehensive about this whole change in her life since all this has come up all very suddenly.

Review of Systems: She complains of occasional blurry vision. She denies any chest pain, no shortness of breath, no palpitations, does not complain of any issues with diarrhea or constipation, denies any lower extremity swelling or any issues with nausea or vomiting. All other systems were reviewed and were found to be negative.

Allergies: She denies any medication or non medication allergies.

Social History: She is originally from Lebanon, immigrated to United States in 2014. She has a bachelor's degree in accounting, but is currently not working. She denies smoking cigarettes, but smokes hookah occasionally. Denies any alcohol consumption or drug use. Has not traveled outside the United States recently.

Family history is significant for a very strong family history of autosomal dominant polycystic kidney disease. The kidney disease has affected her father who appears to have a de novo mutation and all her three siblings including two adult males and one adult female. She has two kids, aged 3 and 3 months and does not know about any history in them so far.

Obstetric History: She is a gravida 2, para 2, living 2, aborted 0. Her first pregnancy was in 2011 and the second pregnancy was in September 2016.

Physical Examination: Vital Signs: BP 161/88 (BP Location: Right arm, BP: Patient position: Sitting, BP Cuff Information: Adult 23-33 cm) Pulse 64 Temp 36.6 °C (97.9 °F) (Oral) Resp 16 Ht 1.702 m (5' 7") Wt 81.5 kg (179 lb 10.8 oz) BMI 28.14 kg/m². On general examination, she is an alert and oriented woman in no apparent distress. She has a very pleasant demeanor. Head Exam: Atraumatic and normocephalic. Eyes: Her pupils were equal, reactive to light and accommodation. There was no pallor. There was no conjunctival congestion or icterus. Extraocular motion was intact. Dentition: She had good oral dentition and has porcelain veneers. Neck examination with no midline neck swelling. No palpable cervical or supraclavicular adenopathy. I could not appreciate any thyromegaly. Chest examination was clear to auscultation bilaterally with no adventitious breath sounds. Cardiovascular: 4-point cardiovascular system was performed and S1, S2, was regular rate and rhythm with no murmurs or rubs appreciated. Abdomen was full, but soft, nontender, nondistended. Bilateral polycystic kidneys were palpable. Incision of C-section was noted. Femoral pulses were 2+ bilaterally. Lower extremity examination did not reveal any edema. Musculoskeletal Examination: There was no joint tenderness. Scar of right arthroscopy seen in the right knee. Skin examination of the exposed parts did not reveal any concerning lesions.

Impression: Overall, it is my impression that Ms. Leila Ballout a 37-year-old female with chronic kidney disease stage V from underlying autosomal dominant polycystic kidney disease, which was exacerbated in the setting of preeclampsia, is an excellent candidate for transplantation. At this point, I do not recommend any further evaluation.

I discussed treatment options of ESRD, focusing on the potential benefits and complications of kidney transplantation. I also discussed side effects of immunosuppression medications and complications from long-



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes signed by Naik, Abhijit, MBBS at 1/23/2017 11:29 AM (continued)

term immunosuppression, including but not limited to increased risk of infections and cancers, in particular skin cancers and lymphomas. I also discussed the risk of new onset diabetes or worsened control of existing diabetes. I discussed the waitlisting process for a deceased donor kidney in Michigan. I noted the long waiting time, and I discussed ways to decrease the waiting time. I emphasized the advantage of living donor kidney transplantation, as it may significantly reduce the waiting time and generally provides better outcome than a deceased donor kidney. Patient and or family were given an opportunity to ask questions and all questions were answered to their satisfaction. Her case will be discussed in our next kidney pancreas transplant evaluation committee meeting.

Thank you for allowing me to participate in the care of Ms. Leila Ballout. Please let me know if I can be of any further assistance.

Abhijit S. Naik MD , MPH, FASN
Assistant Professor of Internal Medicine

Signed by Naik, Abhijit, MBBS on 1/23/2017 11:29 AM

Progress Notes by Greathouse, Karen, RD at 1/18/2017 9:29 AM

Author: Greathouse, Karen, RD
Filed: 1/18/2017 9:51 AM
Status: Signed

Service: (none)
Encounter Date: 1/17/2017
Editor: Greathouse, Karen, RD (Registered Dietitian)

Author Type: Registered Dietitian
Note Type: Progress Notes

BRIEF NUTRITION NOTE

Unit/Service/Clinic: Kidney Transplant Clinic

Reason for Referral/Critical Issues: New patient transplant evaluation

Patient Medical/Health History: Leila has a past medical history of Hypertension; Kidney disease; and Kidney stone. She is not on dialysis

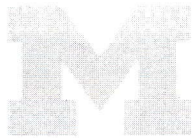
Assessment:

Leila Ballout reports that she has been experiencing nausea and vomiting and a metallic taste in her month. She is normally drinking 7 to 8 bottles of water. She is exercising twice a week using elliptical machine, weights, and walking. She normally eats 2 meals daily and may snack on fruit (pomegranite, tangerines, and berries) in the evening. She has been limiting consumption of

Typical Intake

L(1 to 130) pita bread, leben, olives, and cranberry juice

D(5-8) chicken, rice., lemonade, carrots



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Greathouse, Karen, RD at 1/18/2017 9:29 AM (continued)

Biochemical parameters:

Lab Results Component	Value	Date
CREATININE	3.45 (H)	01/17/2017
UREA	36 (H)	01/17/2017
NITROGEN		
POTASSIUM	4.6	01/17/2017
CALCIUM	9.3	01/17/2017
PHOSPHORUS	4.0	01/17/2017
LEVEL		
ALBUMIN	4.1	01/17/2017
ALBUMIN	4.1	01/17/2017
PARATHYROID HORMONE, INTACT	359 (H)	01/17/2017
25-HYDROXY VIT D	36	12/28/2016
HGB	9.7 (L)	01/17/2017
PROTEIN, URINE RANDOM	102.6	01/17/2017
PROTEIN/CREA T URINE RATIO	1.52 (H)	01/17/2017
EGFR, NON-BLACK	15 (L)	01/17/2017
HEMOGLOBIN A1C	4.6	01/17/2017

Body Composition/Weight History:

Estimated body mass index is 28.14 kg/(m²) as calculated from the following:

Height as of an earlier encounter on 1/17/17: 1.702 m (5' 7").

Weight as of an earlier encounter on 1/17/17: 81.5 kg (179 lb 10.8 oz).

Usual Body Weight:

Wt Readings from Last 5 Encounters:

01/17/17	81.5 kg (179 lb 10.8 oz)
01/17/17	81.5 kg (179 lb 10.8 oz)
12/28/16	84.3 kg (185 lb 12.8 oz)
10/26/16	83.4 kg (183 lb 12.8 oz)
09/14/16	92.3 kg (203 lb 6.4 oz)

Lightest weight 140#(last weighed in 2009 before first pregnancy)

Normal Weight 169#

Personal Goal Weight 140#



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Greathouse, Karen, RD at 1/18/2017 9:29 AM (continued)

Interventions:

Reinforced principals of renal diet. Provided Nutriton Guidelines for Chronic Kidney Disease, Pictorial high and acceptable potassium and phosphorous food lists, and protein handout

Discussed nutrition and transplantation.

Discussed principals of a healthy lifestyle and role in achieving and maintaining healthy weight. Encouraged her to eat 3 regular meals and increase intake of low potassium fruits and vegetables.

Reviewed nutrition section in Kidney Transplant Book which includes the following handouts:

- Internet resources for pre and post transplant nutrition resources
- Transplant Nutrition
- Achieving Healthy Weight
- Goal setting
- Food safety after transplant

Plan/Recommendations:

Will provide further intervention as needed. Dietitian contact information provided. Pt is encouraged to contact dietitian if questions arise . Appears to have good nutrition status for transplant at this time.

Karen Greathouse, R.D.

Pager 38522

Signed by Greathouse, Karen, RD on 1/18/2017 9:51 AM

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM

Author: Heung, Michael, MD	Service: (none)	Author Type: Physician
Filed: 4/19/2017 8:46 AM	Encounter Date: 4/17/2017	Note Type: Progress Notes
Status: Signed	Editor: Heung, Michael, MD (Physician)	

Subjective:

Patient ID: Leila Ballout is a 37 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13. In 2016 she had a pregnancy complicated by preeclampsia requiring early delivery of a healthy baby

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM (continued)
in September. She presents today for routine CKD follow-up.

HPI

Mrs. Ballout continues to do reasonably well overall. In fact, she tells me that she definitely feels better than at our last visit. She notes that her GI issues (mainly nausea) have been better since being on a PPI, but she still has some episodes and she has dysgeusia. However, she attributes her dysgeusia to the labetalol, as she only seems to have symptoms when taking that med.

She notes occasional mild edema towards the end of the day. She denies any SOB or CP. She recently resumed exercising and denies any significant DOE. She states that she has a very good energy level and is busy all day long.

She denies any urinary symptoms. She has not noted any hematuria. She denies any recent fevers or chills. She denies any significant abdominal pain but does have pressure which she attributes to her large kidneys.

Her home BP values have recently been in the 120-140/80-90's range. She also notes episodes of lightheadedness regardless of position. She has not had any syncope or near-syncope, and has not had any falls.

Review of Systems

The remainder of her ROS is unremarkable per patient.

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)
- HTN (hypertension)
- Pre-transplant evaluation for kidney transplant
- Anemia of chronic renal failure, stage 5 (CMS/HCC)

Outpatient Medications Prior to Visit

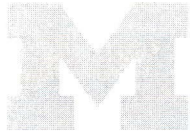
Medication	Sig	Dispense	Refill
• cholecalciferol (VITAMIN D3) 50,000 unit tablet	Take 50,000 units by mouth once a week.		
• ferrous sulfate 325 mg (65 mg iron) tablet	Take 325 mg by mouth once daily with breakfast.		
• labetalol (TRANDATE) 200 mg tablet	Take 2 tablets (400 mg) by mouth two times daily.	360 tablet	3
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth once daily.		

No facility-administered medications prior to visit.
amlodipine 5mg daily

Objective:

Physical Exam

Vitals:



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Notes Report

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Encounter date: 4/17/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM (continued)

04/17/17 0929
 BP: 130/74
 Pulse: 69
 Resp: 18
 Temp: 36.8 °C (98.2 °F)

Wt Readings from Last 3 Encounters:
 04/17/17 79 kg (174 lb 3.2 oz)
 01/17/17 81.5 kg (179 lb 10.8 oz)
 01/17/17 81.5 kg (179 lb 10.8 oz)

NAD
 Anicteric, no OP lesions
 Supple, no LAD, MMM
 RRR, no murmur
 Clear throughout
 Soft, no flank tenderness
 No signif LE edema
 Alert, oriented fully, grossly non-focal

Laboratory Data:

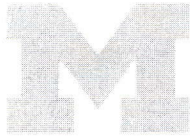
Lab Results Component	Value	Date
Creatinine	4.10 (H)	04/17/2017
Sodium	138	04/17/2017
Potassium	4.7	04/17/2017
Chloride	106	04/17/2017
CO2	26	04/17/2017
Glucose	86	04/17/2017
Urea Nitrogen	58 (H)	04/17/2017
Calcium	9.8	04/17/2017
Phosphorus	3.8	04/17/2017
Albumin	4.4	04/17/2017

9/15/15 Cr 2.17
 5/25/16 BUN 30, Cr 1.82

11/18/16 25-OH vitamin D 36
 1/17/17 PTH 359, alk phos 76

3/23/16 25OH vit D 41, PTH 211

Lab Results Component	Value	Date
WBC	3.5 (L)	04/17/2017
HGB	9.6 (L)	04/17/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM (continued)

HCT	29.3 (L)	04/17/2017
PLT	139 (L)	04/17/2017
RBC	3.15 (L)	04/17/2017
MCV	93.0	04/17/2017
MCH	30.5	04/17/2017
MCHC	32.8	04/17/2017
RDW	13.2	04/17/2017
MPV	11.4	04/17/2017

Lab Results

Component	Value	Date
Iron Level	50	12/28/2016
Iron Binding Capacity	332	12/28/2016
FERRITIN	23.7	12/28/2016
Percent Transferrin Saturation	15 (L)	12/28/2016

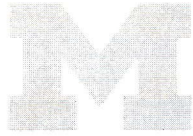
Lab Results

Component	Value	Date
Color, Urine	Normal	04/17/2017
Appearance, Urine	Normal	04/17/2017
Urine Specific Gravity	1.006	04/17/2017
pH, Urine	6.5	04/17/2017
Leukocyte Esterase, Urine	25 (A)	04/17/2017
Urine Nitrite	Negative	04/17/2017
Protein, Urine	30	04/17/2017
Protein, Urine Random	54.9	04/17/2017
Glucose, Urine	Normal	04/17/2017
Urine Ketone	Negative	04/17/2017
Urobilinogen, Urine	Normal	04/17/2017
Urine Bilirubin	Negative	04/17/2017
Blood, Urine	10 (A)	04/17/2017

- 3/23/16 UPC 0.17
- 6/1/16 UPC 0.43
- 9/14/16 UPC 1.45
- 10/26/16 UPC 3.14
- 12/28/16 UPC 2.42
- 1/17/17 UPC 1.52
- 4/17/17 UPC 1.17

Results for BALLOUT, LEILA (MRN 030951153) as of 4/17/2017 10:31

	Ref. Range	1/17/2017
		09:30
Hep B Surface Ab	Latest Ref Range: Non-React	Non-Reactive
Hep B Surface	Latest Units:	3.94



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM (continued)

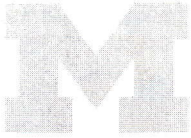
Ab, Quant	mIU/mL	
Hep B Surface Ag	Latest Ref Range: Non-React	Non-Reactive
Hepatitis B Core Ab, IgG + IgM	Latest Ref Range: Non-React	Non-Reactive
HEPATITIS C AB, QUALITATIVE	Latest Ref Range: Non-React	Non-Reactive

Assessment:

Mrs. Leila Ballout is a 37 y.o. Lebanese female with PKD and HTN, with resultant CKD. She had a pregnancy complicated by preeclampsia in September 2016. She presents today for follow-up of PKD/CKD.

Plan:

- PKD/CKD: - Previously, she had CKD stage 3 at baseline (Cr 1.6-1.9 range), and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - Since her pregnancy in 2016 (c/b preeclampsia), she has established a new baseline Cr in the mid 3 range and today's value is her highest. Overall, she appears to be in late stage 4/early stage 5 CKD.
 - Clinically she remains well-compensated and actually feeling better today than at our last visit. As such, no urgent indications to proceed with dialysis.
 - Main focus otherwise remains risk factor modification, specifically BP control.
- ESRD Education/Planning: - Evaluated by UM transplant 1/17/17 and listed on hold 1/25/17 pending financial clearance.
 - Has had family members checked and unfortunately no matches, but pursuing paired donor program.
 - Asked about timing of transplantation. At this point, given how well compensated she is, I don't think there is urgency to pre-emptive transplant. However, I think that this will likely be required within the next year especially given her strong desire to avoid dialysis altogether.
- Anemia: - Essentially stable.
 - Continue oral iron supplementation and will recheck iron stores next labs. May require IV iron if TSAT remains low and/or anemia worsens.
 - May also need initiation of ESA therapy in near future.
- Metabolic Bone Disease: - Persistent evidence of secondary hyperparathyroidism but normal alk phos. Phos and calcium remain controlled in normal range, and nutritional vitamin D stores intact.
 - Will consider initiation of active vitamin D therapy if worsens, symptomatic, or evidence of increasing bone turnover.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 4/17/2017 10:00 AM (continued)

5. GERD: - Significant improved which she attributes to decrease in labetalol.
- See below, will continue to wean labetalol.

6. HTN: - Reasonably well controlled overall, and I am slightly concerned about her lightheadedness although she is able to compensate well.
- Increasing amlodipine from 5 to 10mg daily. Decreasing labetalol to 200mg BID with plan to try and wean off given her apparent reaction to this med.
- Continue home BP checks.

7. Health maintenance: - Hep B non-immune. Will need vaccination series, but holding off for now given upcoming trip to Lebanon so we can adhere to schedule.
- Will discuss statin therapy at next visit.

RTC 3-4 months after her trip to Lebanon.

Signed by Heung, Michael, MD on 4/19/2017 8:46 AM

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM

Author: Ambani, Sapan Nitin, MD	Service: (none)	Author Type: Physician
Filed: 9/25/2017 3:46 PM	Encounter Date: 9/25/2017	Note Type: Progress Notes
Status: Signed	Editor: Ambani, Sapan Nitin, MD (Physician)	

Subjective:

Chief Complaint: ADPKD

History of Present Illness:

Leila Ballout is a 37 y.o. female with ADPKD and CKD stage 5 (not on HD) on the transplant list who was referred by Dr. Naik for evaluation of complex renal cysts. She had an episode of cyst rupture in Feb 2017 presenting with flank pain, no hematuria, and had a non-contrast CT A/P which showed cystic kidneys. Some cysts demonstrated hyperdense material possibly hemorrhagic/proteinaceous, but unable to rule out malignancy. Her transplant status was put on hold pending our evaluation of these renal cysts.

Today, she feels well and is at baseline. She denies any gross hematuria, dysuria, or flank pain. She denies fevers/chills, nausea/vomiting, weight loss. Her cystic kidneys cause her some discomfort at baseline that she describes more as pressure than pain. She is interested in their removal at some point in the future. She is here with her 1 year old daughter.

Past Medical History:

Past Medical History:



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Notes Report

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Encounter date: 9/25/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM (continued)

Diagnosis	Date
<ul style="list-style-type: none"> Hypertension Kidney disease Kidney stone 	

Surgical History:
 No past surgical history on file.

Medications:

Current Outpatient Prescriptions:

- amLODIPine (NORVASC) 5 mg tablet, Take 2 tablets (10 mg) by mouth once daily., Disp: 90 tablet, Rfl: 4
- cholecalciferol (VITAMIN D3) 50,000 unit tablet, Take by mouth as needed. , Disp: , Rfl:
- ferrous sulfate 325 mg (65 mg iron) tablet, Take 325 mg by mouth as needed. , Disp: , Rfl:
- labetalol (TRANDATE) 200 mg tablet, Take 1 tablet (200 mg) by mouth two times daily., Disp: 180 tablet, Rfl: 3
- PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet, Take 1 tablet by mouth as needed. , Disp: , Rfl:

Allergies:

Allergies	Reactions
Allergen	
<ul style="list-style-type: none"> Antibiotic [Neomy-Bacit-Polymyx-Pramoxine] <i>Yeast infection</i> 	Other (See Comments)
<ul style="list-style-type: none"> Malt Extract 	Unknown

Review of Systems:

A comprehensive 14 point review of systems was negative except for: as stated above.

Social History:

Social History

Social History	
<ul style="list-style-type: none"> Marital status: 	Married
<ul style="list-style-type: none"> Spouse name: 	N/A
<ul style="list-style-type: none"> Number of children: 	N/A
<ul style="list-style-type: none"> Years of education: 	N/A

Occupational History

• Not on file.

Social History Main Topics

<ul style="list-style-type: none"> Smoking status: 	Passive Smoke Exposure - Never Smoker
<ul style="list-style-type: none"> Smokeless tobacco: <i>Comment: Hookah - occassionally</i> 	Never Used

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM (continued)

- | | |
|----------------------------|--------------|
| • Alcohol use | No |
| • Drug use: | No |
| • Sexual activity: | Yes |
| Partners: | Female, Male |
| Birth control/ protection: | Condom |
| <i>Comment: married</i> | |

Other Topics

- Not on file

Concern

Social History Narrative

Family History:

Family History

Problem	Relation	Age of Onset
• Kidney disease	Father	
• Kidney disease	Brother	

Objective:

Vital Signs:

BP 131/86 | Pulse 73 | Wt 73.2 kg (161 lb 6.4 oz) | BMI 25.28 kg/m2.

Physical Exam:

General appearance: alert, cooperative and in no distress

Head: normocephalic, without obvious abnormality and atraumatic

Lungs: clear to auscultation bilaterally; respirations unlabored

Heart: regular rate, rhythm; no murmur, rub or gallop

Abdomen: soft, non-tender, palpable enlarged kidneys bilaterally.

Back: No flank pain or CVA tenderness

Pelvic: deferred

Extremities: extremities normal, no cyanosis or edema

Neurologic: alert and oriented X 3, normal strength and tone; normal coordination and gait

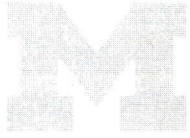
Imaging

CT A/P (Beaumont Health) 2/2/2017

IMPRESSION:

1. Evaluation is markedly limited by presence of innumerable bilateral renal cysts, consistent with reported history of polycystic kidney disease. Several nonobstructing renal parenchymal calcifications are seen bilaterally, though there is no evidence of obstructive uropathy.

2. Some of the aforementioned renal cysts are hyperdense and possibly hemorrhagic or proteinaceous. Incidence of malignancy in polycystic patients is not elevated in relation to the general population, though renal malignancy obscured by the innumerable cysts is not excluded. Follow-up as clinically indicated.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/25/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM (continued)

3. Innumerable hepatic cysts are seen, also consistent with reported history of polycystic kidney disease.
4. Poorly visualized right adrenal gland.
5. Small amount of free fluid in the pelvis.

Lab Results

Basic Metabolic Panel:

Sodium

Date	Value	Ref Range	Status
09/11/2017	140	136 - 146 mmol/L	Final

Potassium

Date	Value	Ref Range	Status
09/11/2017	4.1	3.5 - 5.0 mmol/L	Final

Chloride

Date	Value	Ref Range	Status
09/11/2017	110 (H)	98 - 108 mmol/L	Final

CO2

Date	Value	Ref Range	Status
09/11/2017	22	22 - 34 mmol/L	Final

Urea Nitrogen

Date	Value	Ref Range	Status
09/11/2017	57 (H)	8 - 20 mg/dL	Final

Creatinine

Date	Value	Ref Range	Status
09/11/2017	4.22 (H)	0.50 - 1.00 mg/dL	Final

Glucose

Date	Value	Ref Range	Status
09/11/2017	114 (H)	73 - 100 mg/dL	Final

Calcium

Date	Value	Ref Range	Status
09/11/2017	9.2	8.6 - 10.3 mg/dL	Final

CBC:

WBC

Date	Value	Ref Range	Status
09/11/2017	3.7 (L)	4.0 - 10.0 K/uL	Final

HGB

Date	Value	Ref Range	Status
09/11/2017	9.1 (L)	12.0 - 16.0 g/dL	Final

HCT

Date	Value	Ref Range	Status



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/25/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

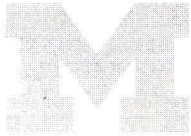
Immunizations (continued)

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM (continued)

Date	Value	Ref Range	Status
09/11/2017	27.3 (L)	36.0 - 48.0 %	Final
PLT			
Date	Value	Ref Range	Status
09/11/2017	184	150 - 400 K/uL	Final
RBC			
Date	Value	Ref Range	Status
09/11/2017	3.14 (L)	3.90 - 5.00 M/uL	Final
MCV			
Date	Value	Ref Range	Status
09/11/2017	86.9	79.0 - 99.0 fl	Final
MCH			
Date	Value	Ref Range	Status
09/11/2017	29.0	27.0 - 32.0 pg	Final
MCHC			
Date	Value	Ref Range	Status
09/11/2017	33.3	32.0 - 35.0 g/dL	Final
RDW			
Date	Value	Ref Range	Status
09/11/2017	13.3	11.5 - 15.0 %	Final
MPV			
Date	Value	Ref Range	Status
09/11/2017	9.6	9.0 - 12.2 fl	Final

Urinalysis:

Lab Results Component	Value	Date
Color, Urine	Normal	06/02/2017
Appearance, Urine	Normal	06/02/2017
Specific Gravity, Urine	<=1.005	09/25/2017
pH, Urine	5.5	09/25/2017
Leukocyte Esterase	Negative	09/25/2017
Nitrite, Urine	Negative	09/25/2017
Protein, Urine	100 mg/dL (A)	09/25/2017
Protein, Urine	30	06/02/2017
Protein, Urine	54.4	06/02/2017
Random Glucose, Urine	Negative	09/25/2017
Ketones, Urine	Negative	09/25/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/25/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Ambani, Sapan Nitin, MD at 9/25/2017 3:15 PM (continued)

Bilirubin, Urine	Negative	09/25/2017
Blood, Urine	Trace/hemolysis (A)	09/25/2017

Assessment:

Leila Ballout is a 37 y.o. female with ADPKD and CKD stage 5 (not on HD) on the transplant list here for evaluation of complex renal cysts. CT imaging from February for cyst rupture were unable to rule out malignancy, though ADPKD does not carry an increased risk of malignancy compared to the general population. Her transplant status is currently on hold pending our evaluation of these renal cysts. Base on my review of the CT scan, there is no obvious concern for malignancy. We will further evaluate for this with an MRI. As long as the MRI does not demonstrate an obvious area of concern, I would be in favor of clearing her for a transplant. She is also interested in removal of her kidneys in the future. We discussed this briefly, and I asked her to set up an appointment with me a few months after her transplant to discuss this further.

Plan:

1. Renal protocol MRI to further characterize complex renal cysts
2. Further management pending results above - If unremarkable, OK to proceed with transplant from urologic perspective with option for nephrectomy post-transplant for symptom management. If concerning for malignancy, patient will likely need nephrectomy prior to transplantation.

I saw and evaluated this patient with the house officer, Robert Wang. I reviewed the H&P above, and edited it as appropriate.

Sapan Nitin Ambani, MD

Signed by Ambani, Sapan Nitin, MD on 9/25/2017 3:46 PM

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM

Author: Heung, Michael, MD	Service: (none)	Author Type: Physician
Filed: 10/3/2017 3:51 PM	Encounter Date: 9/27/2017	Note Type: Progress Notes
Status: Signed	Editor: Heung, Michael, MD (Physician)	

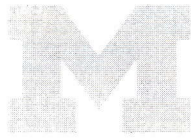
Subjective:

Patient ID: Leila Ballout is a 37 y.o. female with a history of PKD and HTN. I first saw her in evaluation on 10/9/13. In 2016 she had a pregnancy complicated by preeclampsia requiring early delivery of a healthy baby in September. She presents today for routine CKD follow-up.

HPI

Mrs. Ballout recently returned from a several month visit to her native Lebanon. She had a great time and denies having an issues at all. However, since returning a couple of weeks ago, she and her family got a viral illness, but her symptoms have resolved. She denies any fevers.

She describes her energy level as "Perfect. I'm doing everything I want".



MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM (continued)

She reports a slightly reduced appetite, although has been maintaining nutrition. However, she has noticed some weight loss. She recently started on new diet that is vegetarian during the week. She does get some nausea at times, but attributes this temporally to taking her amlodipine. She doesn't have nausea at other times.

She does also report some swelling in her feet towards the end of the day. She denies any SOB or CP.

She denies any urinary symptoms or change in UOP. If anything, she has been urinating more. No hematuria. She denies any abdominal pain.

She is checking her BP at home and values are typically in the 120-130's/60-70's range. She occasionally notes some lightheadedness, about once a week. She denies any orthostasis and has not had any falls or near-syncope.

Review of Systems

The remainder of her ROS is unremarkable per patient.

Patient Active Problem List

Diagnosis

- PKD (polycystic kidney disease)
- HTN (hypertension)
- Pre-transplant evaluation for kidney transplant
- Anemia of chronic renal failure, stage 5 (CMS/HCC)
- CKD (chronic kidney disease) stage 4, GFR 15-29 ml/min (CMS/HCC)

Outpatient Medications Prior to Visit

Medication	Sig	Dispense	Refill
• amLODIPine (NORVASC) 5 mg tablet	Take 2 tablets (10 mg) by mouth once daily.	90 tablet	4
• cholecalciferol (VITAMIN D3) 50,000 unit tablet	Take by mouth as needed.		
• ferrous sulfate 325 mg (65 mg iron) tablet	Take 325 mg by mouth as needed.		
• labetalol (TRANDATE) 200 mg tablet	Take 1 tablet (200 mg) by mouth two times daily.	180 tablet	3
• PNV comb #40-Fe fum-FA comb #1 (PRENATE ELITE) 27-1 mg tablet	Take 1 tablet by mouth as needed.		

No facility-administered medications prior to visit.

Objective:

Physical Exam

Vitals:

09/27/17 1130

BP: 133/68

Pulse: 70

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM (continued)

Temp: 36.9 °C (98.5 °F)

Wt Readings from Last 3 Encounters:

09/27/17 74.1 kg (163 lb 4.8 oz)
09/25/17 73.2 kg (161 lb 6.4 oz)
04/17/17 79 kg (174 lb 3.2 oz)

NAD

Anicteric, no OP lesions
Supple, no LAD, MMM
RRR, no murmur
Clear throughout
Soft, no flank tenderness
No signif LE edema
Alert, oriented fully, grossly non-focal

Laboratory Data:

Lab Results

Component	Value	Date
Creatinine	4.22 (H)	09/11/2017
Sodium	140	09/11/2017
Potassium	4.1	09/11/2017
Chloride	110 (H)	09/11/2017
CO2	22	09/11/2017
Glucose	114 (H)	09/11/2017
Urea Nitrogen	57 (H)	09/11/2017
Calcium	9.2	09/11/2017
Phosphorus	3.6	09/11/2017
Albumin	4.1	09/11/2017

9/15/15 Cr 2.17

5/25/16 BUN 30, Cr 1.82

11/18/16 25-OH vitamin D 36

1/17/17 PTH 359, alk phos 76

3/23/16 25OH vit D 41, PTH 211

Lab Results

Component	Value	Date
WBC	3.7 (L)	09/11/2017
HGB	9.1 (L)	09/11/2017
HCT	27.3 (L)	09/11/2017
PLT	184	09/11/2017
RBC	3.14 (L)	09/11/2017
MCV	86.9	09/11/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/27/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM (continued)

MCH	29.0	09/11/2017
MCHC	33.3	09/11/2017
RDW	13.3	09/11/2017
MPV	9.6	09/11/2017

Lab Results

Component	Value	Date
Iron Level	50	12/28/2016
Iron Binding Capacity	332	12/28/2016
FERRITIN	23.7	12/28/2016
Percent Transferrin Saturation	15 (L)	12/28/2016

Lab Results

Component	Value	Date
Color, Urine	Normal	06/02/2017
Appearance, Urine	Normal	06/02/2017
Specific Gravity, Urine	<=1.005	09/25/2017
pH, Urine	5.5	09/25/2017
Leukocyte Esterase	Negative	09/25/2017
Nitrite, Urine	Negative	09/25/2017
Protein, Urine Random	45.9	09/27/2017
Glucose, Urine	Negative	09/25/2017
Ketones, Urine	Negative	09/25/2017
Urobilinogen, Urine	0.2 E.U./dL	09/25/2017
Bilirubin, Urine	Negative	09/25/2017
Blood, Urine	Trace/hemolysis (A)	09/25/2017

3/23/16 UPC 0.17
6/1/16 UPC 0.43
9/14/16 UPC 1.45
10/26/16 UPC 3.14
12/28/16 UPC 2.42
1/17/17 UPC 1.52
4/17/17 UPC 1.17

Results for BALLOUT, LEILA (MRN 030951153) as of 4/17/2017 10:31

	Ref. Range	1/17/2017 09:30
Hep B Surface Ab	Latest Ref Range: Non-React	Non-Reactive
Hep B Surface Ab, Quant	Latest Units: mIU/mL	3.94
Hep B Surface Ag	Latest Ref Range: Non-React	Non-Reactive
Hepatitis B Core Ab, IgG + IgM	Latest Ref Range: Non-React	Non-Reactive
HEPATITIS C AB, QUALITATIVE	Latest Ref Range: Non-React	Non-Reactive

Assessment:



MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM (continued)

Mrs. Leila Ballout is a 37 y.o. Lebanese female with PKD and HTN, with resultant CKD. She had a pregnancy complicated by preeclampsia in September 2016 with marked worsening of her CKD. She presents today for follow-up of PKD/CKD.

Plan:

1. PKD/CKD: - Previously, she had CKD stage 3 at baseline (Cr 1.6-1.9 range), and notable family history of her father requiring a renal transplant (pre-emptive) at age 40.
 - Since her pregnancy in 2016 (c/b preeclampsia), she has established a new baseline Cr in the high 3-4 range. Overall, she appears to be in early stage 5 CKD.
 - Clinically she remains well-compensated and actually feeling better today than at our last visit. As such, no urgent indications to proceed with dialysis.
 - Main focus otherwise remains risk factor modification, specifically BP control.

2. ESRD Education/Planning: - Evaluated by UM transplant 1/17/17 and listed on hold 1/25/17. Most recently has been getting work-up for complex cysts and need to rule out malignancy. She is scheduled for MRI in 2 weeks. I will discuss with them
 - Has had family members checked and unfortunately no matches, but pursuing paired donor program.
 - Asked about timing of transplantation. At this point, given how well compensated she is, I don't think there is urgency to pre-emptive transplant. However, I think that this will likely be required within the next year especially given her strong desire to avoid dialysis altogether.

3. Anemia: - Essentially stable.
 - Continue oral iron supplementation and will recheck iron stores next labs. May require IV iron if TSAT remains low and/or anemia worsens.
 - May also need initiation of ESA therapy in near future.

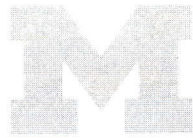
4. Metabolic Bone Disease: - Persistent evidence of secondary hyperparathyroidism but normal alk phos. Phos and calcium remain controlled in normal range, and nutritional vitamin D stores intact.
 - Will consider initiation of active vitamin D therapy if worsens, symptomatic, or evidence of increasing bone turnover.

5. GERD: - Significant improved.

6. HTN: - Well-controlled, but she attributes significant symptoms to the amlodipine.
 - Decreasing amlodipine to 5mg daily and increasing labetalol to 300mg BID
 - Continue home BP checks.

7. Health maintenance: - Hep B non-immune. Initiating vaccine series today.
 - Flu shot administered in clinic today.

RTC 3 months.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Notes Report

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/27/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Progress Notes by Heung, Michael, MD at 9/27/2017 11:33 AM (continued)

Signed by Heung, Michael, MD on 10/3/2017 3:51 PM

Progress Notes by Ambani, Sapan Nitin, MD at 10/10/2017 4:19 PM

Author: Ambani, Sapan Nitin, MD	Service: (none)	Author Type: Physician
Filed: 10/10/2017 4:19 PM	Date of Service: 10/10/2017 4:19 PM	Note Type: Progress Notes
Status: Signed	Editor: Ambani, Sapan Nitin, MD (Physician)	

Please let patient know that the MRI showed NO concerning kidney lesions. I do not think this should hold up her ability to get a renal transplant, and would clear her from a urologic kidney perspective.

Dr. Naik - FYI

Signed by Ambani, Sapan Nitin, MD on 10/10/2017 4:19 PM

Progress Notes by McCool, Dejuan, MA at 10/25/2017 1:33 PM

Author: McCool, Dejuan, MA	Service: (none)	Author Type: Medical Assistant
Filed: 10/25/2017 1:39 PM	Encounter Date: 10/25/2017	Note Type: Progress Notes
Status: Signed	Editor: McCool, Dejuan, MA (Medical Assistant)	

Gave patient 2nd Hep. B injection. She tolerated it well.

Signed by McCool, Dejuan, MA on 10/25/2017 1:39 PM

Macroscopic Urinalysis [LAB3495]

Order #231399914

Macroscopic Urinalysis [231399911]

Electronically signed by: Heung, Michael, MD on 03/22/16 0904	Status: Completed
Mode: Ordering in Per policy: cosign required mode	Communicated by: Finney, Steven, MA
Ordering user: Finney, Steven, MA	Ordering provider: Heung, Michael, MD
Authorized by: Heung, Michael, MD	Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 03/22/2016	
Frequency: 03/22/16 -	
Diagnoses	
General conditions of the kidney and ureter [N28.9]	

Results

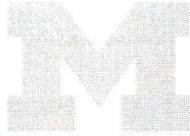
MACROSCOPIC URINALYSIS [LAB3495]
(Order# 231399914)

Resulted: 03/23/16 1253, Result status: Final result

Macroscopic Urinalysis [231399914]

Ordering provider: Heung, Michael, MD 03/23/16 1121 Resulting lab: UMHS PATHOLOGY

Specimen Information



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Type	Source	Collected On
Urine	—	03/23/16 1121

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	5.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	Negative	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	Negative	Negative U/L	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #231399915

Protein, Urine (Includes Creat Ratio) [231399912]

Electronically signed by: **Heung, Michael, MD on 03/22/16 0904** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode
 Communicated by: Finney, Steven, MA
 Ordering user: Finney, Steven, MA
 Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD
 Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 03/22/2016
 Frequency: 03/22/16 -
 Diagnoses
 General conditions of the kidney and ureter [N28.9]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 231399915)

Resulted: 03/23/16 1346, Result status: Final result

Protein, Urine (Includes Creat Ratio) [231399915]

Ordering provider: Heung, Michael, MD 03/23/16 1121 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	03/23/16 1121



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	8.7	mg/dL	—	MM PATH
Creatinine, Urine	52.42	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.17	0.01 - 0.18	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Renal Function Panel [LAB19]

Order #249123197

Renal Function Panel [231399917]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 249123197)

Resulted: 03/23/16 1448, Result status: Final result

Renal Function Panel [249123197] (Abnormal)

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
Sodium	139	136 - 146 mmol/L	—	MM PATH
Potassium	3.9	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	107	98 - 108 mmol/L	—	MM PATH
CO2	26	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	41	8 - 20 mg/dL	H	MM PATH
Creatinine	1.88	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	68	73 - 100 mg/dL	L	MM PATH
Calcium	9.2	8.6 - 10.3	—	MM PATH

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

		mg/dL		
Phosphorus	2.9	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

PTH, Intact and Calcium [LAB813]

Order #249123198

PTH, Intact and Calcium [249123188]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

PTH, INTACT AND CALCIUM [LAB813]
(Order# 249123198)

Resulted: 03/23/16 1458, Result status: Final result

PTH, Intact and Calcium [249123198] (Abnormal)

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

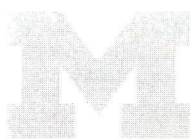
Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
Parathyroid Hormone, Intact	211	10 - 65 pg/mL	H	MM PATH
Calcium PTH	9.2	8.6 - 10.3 mg/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Vitamin D 25 Hydroxy (25HD) [LAB535]

Order #249126346

Vitamin D 25 Hydroxy (25HD) [249123189]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

VITAMIN D 25 HYDROXY (25HD) [LAB535]
(Order# 249126346)

Resulted: 03/23/16 1458, Result status: Final result

Vitamin D 25 Hydroxy (25HD) [249126346]

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
25-Hydroxy Vit D	41	25 - 100 ng/mL	—	MM PATH
Comment:				
25-Hydroxyvitamin D				
Optimal Level: 25-100 ng/mL				
Deficiency: <10 ng/mL				
Toxicity: >150 ng/mL				

Testing Performed By

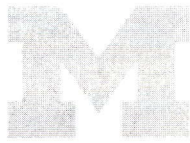
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

CBC with Platelet and Differential [LAB293]

Order #249126347

CBC with Platelet and Differential [249123190]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [249123190] (continued)

PKD (polycystic kidney disease) [Q61.3]

Results

**CBC AND DIFFERENTIAL [LAB293]
(Order# 249126347)**

Resulted: 03/23/16 1222, Result status: Final result

CBC with Platelet and Differential [249126347] (Abnormal)

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

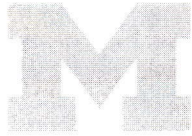
Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
WBC	3.4	4.0 - 10.0 K/uL	L	MM PATH
HGB	12.3	12.0 - 16.0 g/dL	—	MM PATH
HCT	35.8	36.0 - 48.0 %	L	MM PATH
PLT	134	150 - 400 K/uL	L	MM PATH
RBC	4.10	3.90 - 5.00 M/uL	—	MM PATH
MCV	87.3	79.0 - 99.0 fl	—	MM PATH
MCH	30.0	27.0 - 32.0 pg	—	MM PATH
MCHC	34.4	32.0 - 35.0 g/dL	—	MM PATH
RDW	14.0	11.5 - 15.0 %	—	MM PATH
MPV	10.4	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.3	0.0 - 1.0 %	—	MM PATH
Neutrophil %	60.0	36.0 - 71.0 %	—	MM PATH
Lymphocyte %	29.0	20.0 - 50.0 %	—	MM PATH
Monocyte %	8.4	6.0 - 13.0 %	—	MM PATH
Eosinophil %	2.3	0.0 - 6.0 %	—	MM PATH
Basophil %	0.0	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	2.1	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	1.0	1.2 - 4.0 K/uL	L	MM PATH
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Ferritin [LAB68]

Order #249126348

Ferritin [249123191]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

FERRITIN [LAB68] (Order# 249126348)

Resulted: 03/23/16 1458, Result status: Final result

Ferritin [249126348]

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
FERRITIN	28.5	6.0 - 155.0 ng/mL	—	MM PATH

Comment:
Reference Range:
Male: 18 - 320 ng/mL
Female: 6 - 155 ng/mL
Post-menopausal: 10 - 265 ng/mL

Testing Performed By

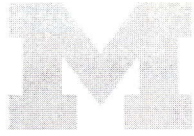
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Iron with Total Binding Capacity [LAB829]

Order #249126349

Iron with Total Binding Capacity [249123192]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1131** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 -
 Diagnoses



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Iron with Total Binding Capacity [249123192] (continued)

PKD (polycystic kidney disease) [Q61.3]

Results

IRON AND TIBC [LAB829] (Order# 249126349)

Resulted: 03/23/16 1448, Result status: Final result

Iron with Total Binding Capacity [249126349]

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
Iron Level	83	33 - 150 ug/dL	—	MM PATH
Iron Binding Capacity	348	220 - 440 ug/dL	—	MM PATH
Percent Transferrin Saturation	24	20 - 50 %	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Urinalysis [LAB348]

Order #249126352

Urinalysis [249123195]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

URINALYSIS [LAB348] (Order# 249126352)

Resulted: 03/23/16 1422, Result status: Final result

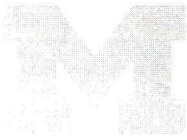
Urinalysis [249126352]

Ordering provider: Heung, Michael, MD 03/23/16 1148 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	03/23/16 1148

Components



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Slightly Cloudy	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	5.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	Negative	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	Negative	Negative U/L	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Estimated Glomerular Filtration Rate [LAB3487]

Order #249126354

Estimated Glomerular Filtration Rate [249126354]

Electronically signed by: **Lab, Int on 03/23/16 1148**
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 03/23/16 1148 -

Authorized by: Heung, Michael, MD

Status: **Completed**

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 249126354)

Resulted: 03/23/16 1448, Result status: Final

Estimated Glomerular Filtration Rate [249126354] (Abnormal)

result

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	03/23/16 1148

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	37	>59 mL/min	L	MM PATH
EGFR, Non-Black	30	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/23/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function.

The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for ≥ 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #257327115

Protein, Urine (Includes Creat Ratio) [249123196]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 - Discontinued by: Heung, Michael, MD 04/17/17 1022
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 257327115)

Resulted: 06/01/16 1146, Result status: Final

Protein, Urine (Includes Creat Ratio) [257327115] (Abnormal)

result

Ordering provider: Heung, Michael, MD 06/01/16 1036 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	06/01/16 1036

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	23.4	mg/dL	—	MM PATH
Creatinine, Urine	54.27	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.43	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
--------------------	------	----------	---------	------------------



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/1/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635
---------------------	-------------------	---------	---	----------------------------------

Macroscopic Urinalysis [LAB3495]

Order #257327116

Macroscopic Urinalysis [257327110]

Status: **Completed**

Electronically signed by: **Heung, Michael, MD on 05/31/16 2307**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Finney, Steven, MA
 Authorized by: Heung, Michael, MD
 Ordered during: Orders Only on 05/31/2016
 Frequency: 05/31/16 -
 Diagnoses
 General conditions of the kidney and ureter [N28.9]

Communicated by: Finney, Steven, MA
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

MACROSCOPIC URINALYSIS [LAB3495]
(Order# 257327116)

Resulted: 06/01/16 1104, Result status: Final result

Macroscopic Urinalysis [257327116] (Abnormal)

Ordering provider: Heung, Michael, MD 06/01/16 1036 Resulting lab: UMHS PATHOLOGY

Specimen Information

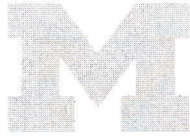
Type	Source	Collected On
Urine	—	06/01/16 1036

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.008	1.005 - 1.034	—	MM PATH
pH, Urine	5.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	10	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/1/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Renal Function Panel [LAB19]

Order #271693769

Renal Function Panel [249123193]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 271693769)

Resulted: 09/14/16 1342, Result status: Final result

Renal Function Panel [271693769] (Abnormal)

Ordering provider: Heung, Michael, MD 09/14/16 1150 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
Sodium	136	136 - 146 mmol/L	—	MM PATH
Potassium	4.4	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	109	98 - 108 mmol/L	H	MM PATH
CO2	21	22 - 34 mmol/L	L	MM PATH
Urea Nitrogen	37	8 - 20 mg/dL	H	MM PATH
Creatinine	1.91	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	77	73 - 100 mg/dL	—	MM PATH
Calcium	8.6	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	3.4	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	3.4	3.5 - 4.9 g/dL	L	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

CBC with Platelet and Differential [LAB293]

Order #271693770



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [249123194]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 271693770)

Resulted: 09/14/16 1243, Result status: Final result

CBC with Platelet and Differential [271693770] (Abnormal)

Ordering provider: Heung, Michael, MD 09/14/16 1150 Resulting lab: UMHS PATHOLOGY

Specimen Information

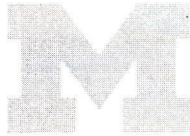
Type	Source	Collected On
Blood.	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
WBC	5.4	4.0 - 10.0 K/uL	—	MM PATH
HGB	9.1	12.0 - 16.0 g/dL	L	MM PATH
HCT	25.6	36.0 - 48.0 %	L	MM PATH
PLT	111	150 - 400 K/uL	L	MM PATH
RBC	2.76	3.90 - 5.00 M/uL	L	MM PATH
MCV	92.8	79.0 - 99.0 fl	—	MM PATH
MCH	33.0	27.0 - 32.0 pg	H	MM PATH
MCHC	35.5	32.0 - 35.0 g/dL	H	MM PATH
RDW	12.8	11.5 - 15.0 %	—	MM PATH
MPV	10.8	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.9	0.0 - 1.0 %	—	MM PATH
Neutrophil %	70.1	36.0 - 71.0 %	—	MM PATH
Lymphocyte %	17.2	20.0 - 50.0 %	L	MM PATH
Monocyte %	10.3	6.0 - 13.0 %	—	MM PATH
Eosinophil %	1.3	0.0 - 6.0 %	—	MM PATH
Basophil %	0.2	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	3.8	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	0.9	1.2 - 4.0 K/uL	L	MM PATH
Absolute Monocyte Count	0.6	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.1	0.0 - 0.1 K/uL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
--------------------	------	----------	---------	------------------



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635
---------------------	-------------------	---------	---	----------------------------------

Urinalysis [LAB348]

Order #271693771

Urinalysis [249123195]

Electronically signed by: Heung, Michael, MD on 03/23/16 1133	Status: Discontinued
Ordering user: Heung, Michael, MD	Ordering provider: Heung, Michael, MD
Authorized by: Heung, Michael, MD	Ordering mode: Standard
Ordered during: Office Visit on 03/23/2016	
Frequency: 03/23/16 -	Discontinued by: Heung, Michael, MD 04/17/17 1022
Diagnoses	
PKD (polycystic kidney disease) [Q61.3]	

Results

URINALYSIS [LAB348] (Order# 271693771)

Resulted: 09/14/16 1302, Result status: Final result

Urinalysis [271693771] (Abnormal)

Ordering provider: Heung, Michael, MD 09/14/16 1150 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.009	1.005 - 1.034	—	MM PATH
pH, Urine	6.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	100	1 - 30 mg/dL	A	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #271693772

Protein, Urine (Includes Creat Ratio) [249123196]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 - Discontinued by: Heung, Michael, MD 04/17/17 1022
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 271693772)

Resulted: 09/14/16 1338, Result status: Final result

Protein, Urine (Includes Creat Ratio) [271693772] (Abnormal)

Ordering provider: Heung, Michael, MD 09/14/16 1150 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	93.8	mg/dL	—	MM PATH
Creatinine, Urine	64.64	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	1.45	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Urine Microscopic Analysis, UMIC (Lab Performed) [LAB3504]

Order #271693775

Urine Microscopic Analysis, UMIC (Lab Performed) [271693775]

Electronically signed by: **Lab, Int on 09/14/16 1150** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Heung, Michael, MD
 Ordering mode: Standard
 Frequency: 09/14/16 1150 -

Results

URINE MICROSCOPIC [LAB3504] (Order# 271693775)

Urine Microscopic Analysis, UMIC (Lab Performed) [271693775]

Resulted: 09/14/16 1304, Result status: Final

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

(Abnormal)

result

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Many	0 - Few /lpf	A	MM PATH
Mucus	Occasional	Occ-Slight /lpf	—	MM PATH
RBC/Hpf	None seen	0 - 3 /hpf	—	MM PATH
Comment: Previous value was ., verified by I/AUT at 13:04 on 09/14/2016.				
WBC/HPF	0-2	0 - 3 /hpf	—	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Amorphous Crystals	Few	0 - Few /hpf	—	MM PATH
Bacteria	Moderate	None - Few /hpf	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Estimated Glomerular Filtration Rate [LAB3487]

Order #271693776

Estimated Glomerular Filtration Rate [271693776]

Electronically signed by: Lab, Int on 09/14/16 1150
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 09/14/16 1150 -

Authorized by: Heung, Michael, MD

Status: Completed

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 271693776)

Resulted: 09/14/16 1342, Result status: Final

Estimated Glomerular Filtration Rate [271693776] (Abnormal)

result

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/14/16 1151

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	36	>59 mL/min	L	MM PATH
EGFR, Non-Black	30	>59 mL/min	L	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/14/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Comment:
eGFR values are unreliable when kidney function is unstable.
The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function.
The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Macroscopic Urinalysis [LAB3495]

Order #276771883

Macroscopic Urinalysis [271693777]

Status: **Completed**

Ordering user: Roberts, Alaina, MA
Authorized by: Heung, Michael, MD
Ordered during: Office Visit on 10/26/2016
Frequency: 10/26/16 -
Diagnoses
General conditions of the kidney and ureter [N28.9]

Ordering provider: Heung, Michael, MD
Ordering mode: Verbal with readback

Results

MACROSCOPIC URINALYSIS [LAB3495]
(Order# 276771883)

Resulted: 10/26/16 1154, Result status: Final result

Macroscopic Urinalysis [276771883] (Abnormal)

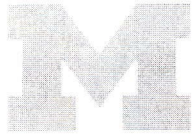
Ordering provider: Heung, Michael, MD 10/26/16 1049 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	10/26/16 1051

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Slightly Cloudy	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	6.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	25	Negative U/L	A	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	100	1 - 30 mg/dL	A	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	50	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #276771884

Protein, Urine (Includes Creat Ratio) [271693778]

Status: **Completed**

Ordering user: Roberts, Alaina, MA
Authorized by: Heung, Michael, MD
Ordered during: Office Visit on 10/26/2016
Frequency: 10/26/16 -
Diagnoses
General conditions of the kidney and ureter [N28.9]

Ordering provider: Heung, Michael, MD
Ordering mode: Verbal with readback

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 276771884)

Resulted: 10/26/16 1308, Result status: Final

Protein, Urine (Includes Creat Ratio) [276771884] (Abnormal)

result

Ordering provider: Heung, Michael, MD 10/26/16 1049 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	10/26/16 1051

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	203.6	mg/dL	—	MM PATH
Creatinine, Urine	64.89	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	3.14	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Ann Arbor MI 48109

Renal Function Panel [LAB19]

Order #276771888

Renal Function Panel [276771881]

Status: **Completed**

Electronically signed by: **Heung, Michael, MD on 10/26/16 1049**

Ordering user: Heung, Michael, MD

Ordering provider: Heung, Michael, MD

Authorized by: Heung, Michael, MD

Ordering mode: Standard

Ordered during: Office Visit on 10/26/2016

Frequency: 10/26/16 -

Diagnoses

PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 276771888)

Resulted: 10/26/16 1329, Result status: Final result

Renal Function Panel [276771888] (Abnormal)

Ordering provider: Heung, Michael, MD 10/26/16 1123 Resulting lab: UMHS PATHOLOGY

Specimen Information

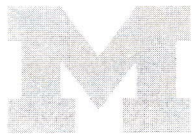
Type	Source	Collected On
Blood.	—	10/26/16 1128

Components

Component	Value	Reference Range	Flag	Lab
Sodium	141	136 - 146 mmol/L	—	MM PATH
Potassium	4.4	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	107	98 - 108 mmol/L	—	MM PATH
CO2	25	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	42	8 - 20 mg/dL	H	MM PATH
Creatinine	3.14	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	89	73 - 100 mg/dL	—	MM PATH
Calcium	9.4	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	3.6	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	3.7	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [LAB293]

Order #276771889

CBC with Platelet and Differential [276771882]

Electronically signed by: **Heung, Michael, MD on 10/26/16 1049**

Status: **Completed**

Ordering user: Heung, Michael, MD

Ordering provider: Heung, Michael, MD

Authorized by: Heung, Michael, MD

Ordering mode: Standard

Ordered during: Office Visit on 10/26/2016

Frequency: 10/26/16 -

Diagnoses

PKD (polycystic kidney disease) [Q61.3]

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 276771889)

Resulted: 10/26/16 1213, Result status: Final result

CBC with Platelet and Differential [276771889] (Abnormal)

Ordering provider: Heung, Michael, MD 10/26/16 1123 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	10/26/16 1128

Components

Component	Value	Reference Range	Flag	Lab
WBC	4.4	4.0 - 10.0 K/uL	—	MM PATH
HGB	8.7	12.0 - 16.0 g/dL	L	MM PATH
HCT	26.2	36.0 - 48.0 %	L	MM PATH
PLT	163	150 - 400 K/uL	—	MM PATH
RBC	2.77	3.90 - 5.00 M/uL	L	MM PATH
MCV	94.6	79.0 - 99.0 fl	—	MM PATH
MCH	31.4	27.0 - 32.0 pg	—	MM PATH
MCHC	33.2	32.0 - 35.0 g/dL	—	MM PATH
RDW	13.9	11.5 - 15.0 %	—	MM PATH
MPV	9.7	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.5	0.0 - 1.0 %	—	MM PATH
Neutrophil %	61.4	36.0 - 71.0 %	—	MM PATH
Lymphocyte %	25.9	20.0 - 50.0 %	—	MM PATH
Monocyte %	8.4	6.0 - 13.0 %	—	MM PATH
Eosinophil %	3.6	0.0 - 6.0 %	—	MM PATH
Basophil %	0.2	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	2.7	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	1.1	1.2 - 4.0 K/uL	L	MM PATH
Absolute Monocyte Count	0.4	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.2	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/26/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

TSH (Thyroid Stimulating Hormone) [LAB129]

Order #276771890

TSH (Thyroid Stimulating Hormone) [276771887]

Electronically signed by: **Heung, Michael, MD on 10/26/16 1114** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 10/26/2016
 Frequency: 10/26/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

TSH [LAB129] (Order# 276771890)

Resulted: 10/26/16 1337, Result status: Final result

TSH (Thyroid Stimulating Hormone) [276771890]

Ordering provider: Heung, Michael, MD 10/26/16 1123 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	10/26/16 1128

Components

Component	Value	Reference Range	Flag	Lab
TSH	1.74	0.30 - 5.50 mIU/L	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Estimated Glomerular Filtration Rate [LAB3487]

Order #276771891

Estimated Glomerular Filtration Rate [276771891]

Electronically signed by: **Lab, Int on 10/26/16 1123** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Heung, Michael, MD
 Ordering mode: Standard
 Frequency: 10/26/16 1123 -



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 276771891)

Resulted: 10/26/16 1329, Result status: Final result

Estimated Glomerular Filtration Rate [276771891] (Abnormal)

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	10/26/16 1128

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	20	>59 mL/min	L	MM PATH
EGFR, Non-Black	17	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Macroscopic Urinalysis [LAB3495]

Order #276978627

Macroscopic Urinalysis [276978623]

Status: Completed

Ordering user: Roberts, Alaina, MA
Authorized by: Heung, Michael, MD
Ordered during: Orders Only on 12/27/2016
Frequency: 12/27/16 -
Diagnoses
General conditions of the kidney and ureter [N28.9]

Ordering provider: Heung, Michael, MD
Ordering mode: Verbal with readback

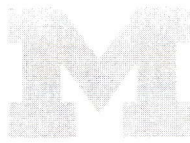
Results

MACROSCOPIC URINALYSIS [LAB3495] (Order# 276978627)

Resulted: 12/28/16 1233, Result status: Final result

Macroscopic Urinalysis [276978627] (Abnormal)

Ordering provider: Heung, Michael, MD 12/28/16 1138 Resulting lab: UMHS PATHOLOGY



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Specimen Information

Type	Source	Collected On
Urine	—	12/28/16 1144

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Slightly Cloudy	Normal	—	MM PATH
Urine Specific Gravity	1.006	1.005 - 1.034	—	MM PATH
pH, Urine	6.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	100	1 - 30 mg/dL	A	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #276978628

Protein, Urine (Includes Creat Ratio) [276978624]

Status: **Completed**

Ordering user: Roberts, Alaina, MA
Authorized by: Heung, Michael, MD
Ordered during: Orders Only on 12/27/2016
Frequency: 12/27/16 -
Diagnoses
General conditions of the kidney and ureter [N28.9]

Ordering provider: Heung, Michael, MD
Ordering mode: Verbal with readback

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 276978628)

Resulted: 12/28/16 1328, Result status: Final

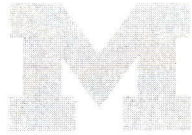
Protein, Urine (Includes Creat Ratio) [276978628] (Abnormal)

result

Ordering provider: Heung, Michael, MD 12/28/16 1138 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	12/28/16 1144



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	99.9	mg/dL	—	MM PATH
Creatinine, Urine	42.28	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	2.36	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Renal Function Panel [LAB19]

Order #284044287

Renal Function Panel [249123193]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 284044287)

Resulted: 12/28/16 1320, Result status: Final result

Renal Function Panel [284044287] (Abnormal)

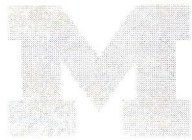
Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Sodium	141	136 - 146 mmol/L	—	MM PATH
Potassium	4.4	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	109	98 - 108 mmol/L	H	MM PATH
CO2	25	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	41	8 - 20 mg/dL	H	MM PATH
Creatinine	3.19	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	90	73 - 100 mg/dL	—	MM PATH
Calcium	9.3	8.6 - 10.3	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

		mg/dL		
Phosphorus	4.4	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

CBC with Platelet and Differential [LAB293]

Order #284044288

CBC with Platelet and Differential [249123194]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 284044288)

Resulted: 12/28/16 1221, Result status: Final result

CBC with Platelet and Differential [284044288] (Abnormal)

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
WBC	3.8	4.0 - 10.0 K/uL	L	MM PATH
HGB	9.8	12.0 - 16.0 g/dL	L	MM PATH
HCT	29.4	36.0 - 48.0 %	L	MM PATH
PLT	157	150 - 400 K/uL	—	MM PATH
RBC	3.22	3.90 - 5.00 M/uL	L	MM PATH
MCV	91.3	79.0 - 99.0 fl	—	MM PATH
MCH	30.4	27.0 - 32.0 pg	—	MM PATH
MCHC	33.3	32.0 - 35.0 g/dL	—	MM PATH
RDW	13.5	11.5 - 15.0 %	—	MM PATH
MPV	9.8	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.5	0.0 - 1.0 %	—	MM PATH
Neutrophil %	60.3	36.0 - 71.0 %	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Lymphocyte %	27.2	20.0 - 50.0 %	—	MM PATH
Monocyte %	8.4	6.0 - 13.0 %	—	MM PATH
Eosinophil %	3.1	0.0 - 6.0 %	—	MM PATH
Basophil %	0.5	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	2.3	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	1.0	1.2 - 4.0 K/uL	L	MM PATH
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Urinalysis [LAB348]

Order #284044289

Urinalysis [249123195]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

URINALYSIS [LAB348] (Order# 284044289)

Resulted: 12/28/16 1318, Result status: Final result

Urinalysis [284044289] (Abnormal)

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.006	1.005 - 1.034	—	MM PATH
pH, Urine	5.5	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Protein, Urine	100	1 - 30 mg/dL	A	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #284044290

Protein, Urine (Includes Creat Ratio) [249123196]

Electronically signed by: **Heung, Michael, MD** on 03/23/16 1133 Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016
 Frequency: 03/23/16 - Discontinued by: Heung, Michael, MD 04/17/17 1022
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 284044290)

Resulted: 12/28/16 1340, Result status: Final

Protein, Urine (Includes Creat Ratio) [284044290] (Abnormal)

result

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

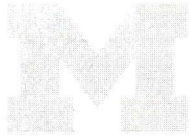
Type	Source	Collected On
Urine	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	101.1	mg/dL	—	MM PATH
Creatinine, Urine	41.82	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	2.42	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Vitamin D 25 Hydroxy (25HD) [LAB535]

Order #284044291

Vitamin D 25 Hydroxy (25HD) [276978630]

Electronically signed by: **Heung, Michael, MD on 12/28/16 1145** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 12/28/2016
 Frequency: 12/28/16 -
 Diagnoses
 CKD (chronic kidney disease), stage 4 (severe) [N18.4]

Results

VITAMIN D 25 HYDROXY (25HD) [LAB535]
(Order# 284044291)

Resulted: 12/28/16 1327, Result status: Final result

Vitamin D 25 Hydroxy (25HD) [284044291]

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
25-Hydroxy Vit D	36	25 - 100 ng/mL	—	MM PATH
Comment:				
25-Hydroxyvitamin D				
Optimal Level: 25-100 ng/mL				
Deficiency: <10 ng/mL				
Toxicity: >150 ng/mL				

Testing Performed By

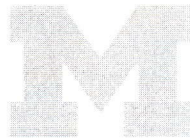
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

PTH, Intact and Calcium [LAB813]

Order #284044292

PTH, Intact and Calcium [284044283]

Electronically signed by: **Heung, Michael, MD on 12/28/16 1145** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 12/28/2016
 Frequency: 12/28/16 -



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

PTH, Intact and Calcium [284044283] (continued)

Diagnoses
CKD (chronic kidney disease), stage 4 (severe) [N18.4]

Results

PTH, INTACT AND CALCIUM [LAB813]
(Order# 284044292)

Resulted: 12/28/16 1327, Result status: Final result

PTH, Intact and Calcium [284044292] (Abnormal)

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Parathyroid Hormone, Intact	464	10 - 65 pg/mL	H	MM PATH
Calcium PTH	9.3	8.6 - 10.3 mg/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Ferritin [LAB68]

Order #284044293

Ferritin [284044285]

Electronically signed by: **Heung, Michael, MD on 12/28/16 1148** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 12/28/2016
 Frequency: 12/28/16 -
 Diagnoses
 CKD (chronic kidney disease), stage 4 (severe) [N18.4]

Results

FERRITIN [LAB68] (Order# 284044293)

Resulted: 12/28/16 1327, Result status: Final result

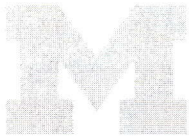
Ferritin [284044293]

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
FERRITIN	23.7	6.0 - 155.0 ng/mL	—	MM PATH

Comment:
Reference Range:
Male: 18 - 320 ng/mL
Female: 6 - 155 ng/mL
Post-menopausal: 10 - 265 ng/mL

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Iron with Total Binding Capacity [LAB829]

Order #284045560

Iron with Total Binding Capacity [284044286]

Electronically signed by: **Heung, Michael, MD on 12/28/16 1148** Status: **Completed**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 12/28/2016
 Frequency: 12/28/16 -
 Diagnoses
 CKD (chronic kidney disease), stage 4 (severe) [N18.4]

Results

IRON AND TIBC [LAB829] (Order# 284045560)

Resulted: 12/28/16 1315, Result status: Final result

Iron with Total Binding Capacity [284045560] (Abnormal)

Ordering provider: Heung, Michael, MD 12/28/16 1156 Resulting lab: UMHS PATHOLOGY

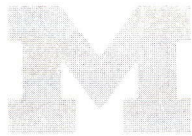
Specimen Information

Type	Source	Collected On
Blood.	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Iron Level	50	33 - 150 ug/dL	—	MM PATH
Iron Binding Capacity	332	220 - 440 ug/dL	—	MM PATH
Percent Transferrin Saturation	15	20 - 50 %	L	MM PATH

Testing Performed By



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

**Urine Microscopic Analysis, UMIC (Lab Performed)
[LAB3504]**

Order #284045561

Urine Microscopic Analysis, UMIC (Lab Performed) [284045561]

Electronically signed by: **Lab, Int on 12/28/16 1156** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Heung, Michael, MD
 Ordering mode: Standard
 Frequency: 12/28/16 1156 -

Results

**URINE MICROSCOPIC [LAB3504] (Order#
284045561)**

**Urine Microscopic Analysis, UMIC (Lab Performed) [284045561]
(Abnormal)**

Resulted: 12/28/16 1326, Result status: Final
result

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Many	0 - Few /lpf	A	MM PATH
Mucus	Occasional	Occ-Slight /lpf	—	MM PATH
RBC/Hpf	3-5	0 - 3 /hpf	A	MM PATH
WBC/HPF	0-2	0 - 3 /hpf	—	MM PATH
Hyaline Casts	0-2	0 - 3/LPF /lpf	—	MM PATH
Bacteria	Occasional	None - Few /hpf	—	MM PATH

Testing Performed By

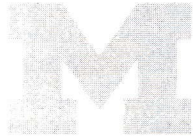
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Estimated Glomerular Filtration Rate [LAB3487]

Order #284045562

Estimated Glomerular Filtration Rate [284045562]

Electronically signed by: **Lab, Int on 12/28/16 1156** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Heung, Michael, MD
 Ordering mode: Standard



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 12/28/2016

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Estimated Glomerular Filtration Rate [284045562] (continued)

Frequency: 12/28/16 1156 -

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 284045562)

Resulted: 12/28/16 1320, Result status: Final result

Estimated Glomerular Filtration Rate [284045562] (Abnormal)

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	12/28/16 1159

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	20	>59 mL/min	L	MM PATH
EGFR, Non-Black	16	>59 mL/min	L	MM PATH

Comment:

eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Toxoplasma gondii Antibody, IgG [LAB501]

Order #285933063

Toxoplasma gondii Antibody, IgG [284045563]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Results

TOXOPLASMA GONDII ANTIBODY, IGG
[LAB501] (Order# 285933063)

Resulted: 01/18/17 0930, Result status: Final result

Toxoplasma gondii Antibody, IgG [285933063] (Abnormal)

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Toxo IgG Antibody, Qualitative	Positive	Negative	A	MM PATH

Comment:
Presence of detectable Toxoplasma gondii IgG antibodies.
A positive result indicates either recent or past exposure to the pathogen. If IgG test is positive in the presence of IgM antibodies, recent infection can be postulated. If IgG test is positive in the absence of IgM antibodies, past infection can be postulated.

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Hepatitis C Antibody [LAB868]

Order #285933064

Hepatitis C Antibody [284045564]

Electronically signed by: Shahinian, Vahakn Bedig, MD on 01/25/17 1227

Status: Completed

Mode: Ordering in Per policy: cosign required mode

Communicated by: Wright, Jody, MA

Ordering user: Wright, Jody, MA

Ordering provider: Shahinian, Vahakn Bedig, MD

Authorized by: Shahinian, Vahakn Bedig, MD

Ordering mode: Per policy: cosign required

Ordered during: Orders Only on 01/14/2017

Frequency: 01/14/17 -

Diagnoses

Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HEPATITIS C ANTIBODY [LAB868]
(Order# 285933064)

Resulted: 01/17/17 1115, Result status: Final result

Hepatitis C Antibody [285933064]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
HEPATITIS C AB, QUALITATIVE	Non- Reactive	Non-React	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Hepatitis B Core Antibody, IgG and IgM [LAB1242]

Order #285933065

Hepatitis B Core Antibody, IgG and IgM [284045565]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HEPATITIS B CORE ANTIBODY, TOTAL [LAB1242] (Order# 285933065)

Resulted: 01/17/17 1116, Result status: Final result

Hepatitis B Core Antibody, IgG and IgM [285933065]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

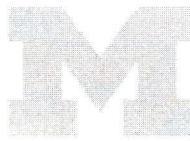
Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Hepatitis B Core Ab, IgG + IgM	Non- Reactive	Non-React	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS	Unknown	1500 E. Medical	10/01/15 1858 - 02/02/17



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

PATHOLOGY

Center Drive 1635
Ann Arbor MI 48109

Hepatitis B Surface Antibody [LAB472]

Order #285933066

Hepatitis B Surface Antibody [284045566]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HEPATITIS B SURFACE ANTIBODY [LAB472] (Order# 285933066)

Resulted: 01/17/17 1037, Result status: Final result

Hepatitis B Surface Antibody [285933066]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Hep B Surface Ab, Quant Comment: Immunity: >10 mIU/mL	3.94	mIU/mL	—	MM PATH
Hep B Surface Ab	Non-Reactive	Non-React	—	MM PATH

Testing Performed By

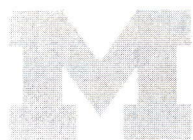
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Hepatitis B Surface Antigen [LAB471]

Order #285933067

Hepatitis B Surface Antigen [284045567]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Hepatitis B Surface Antigen [284045567] (continued)

Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HEPATITIS B SURFACE ANTIGEN
[LAB471] (Order# 285933067)

Resulted: 01/17/17 1047, Result status: Final result

Hepatitis B Surface Antigen [285933067]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Hep B Surface Ag	Non-Reactive	Non-React	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Cytomegalovirus Antibody, IgG [LAB467]

Order #285933068

Cytomegalovirus Antibody, IgG [284045568]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Results

CYTOMEGALOVIRUS ANTIBODY, IGG
[LAB467] (Order# 285933068)

Resulted: 01/18/17 0930, Result status: Final result

Cytomegalovirus Antibody, IgG [285933068] (Abnormal)

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
CMV IgG	Positive	Negative	A	MM PATH
Comment: Presence of detectable CMV IgG antibodies. A positive result indicates either recent or past exposure to the pathogen. If IgG test is positive in the presence of IgM antibodies, recent infection can be postulated.				

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Herpes Simplex 1 and 2, IgG [LAB3010]

Order #285933069

Herpes Simplex 1 and 2, IgG [284045569]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HERPES SIMPLEX 1 AND 2, IGG [LAB3010] (Order# 285933069)

Herpes Simplex 1 and 2, IgG [285933069] (Abnormal)

Resulted: 01/18/17 0930, Result status: Final result

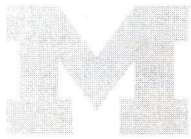
Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
-----------	-------	-----------------	------	-----



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HSV-1 Ab, Qualitative Positive Negative A MM PATH
Comment: Presence of detectable Herpes Simplex Type 1 (HSV-1) IgG antibodies.

HSV-2 Ab, Qualitative Negative Negative — MM PATH
Comment: Absence of detectable Herpes Simplex Type 2 (HSV-2) antibodies. A negative result generally indicates a patient has not been infected, but does not rule out acute HSV infection. If clinical exposure to HSV is suspected despite a negative result, a second specimen should be collected and tested 4 to 6 weeks later.

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

CBC with Platelet Count [LAB294]

Order #286214953

CBC with Platelet Count [284045570]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Results

CBC [LAB294] (Order# 286214953)

Resulted: 01/17/17 0955, Result status: Final

CBC with Platelet Count [286214953] (Abnormal)

result

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
WBC	5.8	4.0 - 10.0 K/uL	—	MM PATH
HGB	9.7	12.0 - 16.0 g/dL	L	MM PATH
HCT	29.0	36.0 - 48.0 %	L	MM PATH

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

PLT	154	150 - 400 K/uL	—	MM PATH
RBC	3.20	3.90 - 5.00 M/uL	L	MM PATH
MCV	90.6	79.0 - 99.0 fl	—	MM PATH
MCH	30.3	27.0 - 32.0 pg	—	MM PATH
MCHC	33.4	32.0 - 35.0 g/dL	—	MM PATH
RDW	13.6	11.5 - 15.0 %	—	MM PATH
MPV	10.5	9.0 - 12.2 fl	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Renal Function Panel [LAB19]

Order #286214954

Renal Function Panel [285933048]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 286214954)

Resulted: 01/17/17 1038, Result status: Final result

Renal Function Panel [286214954] (Abnormal)

Ordering provider: Shahinian, Vahakn Bedig, MD 01/17/17 0927 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Sodium	140	136 - 146 mmol/L	—	MM PATH
Potassium	4.6	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	108	98 - 108 mmol/L	—	MM PATH
CO2	24	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	36	8 - 20 mg/dL	H	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Creatinine	3.45	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	84	73 - 100 mg/dL	—	MM PATH
Calcium	9.3	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	4.0	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Blood Type [LAB3461]

Order #286214955

Blood Type [285933049]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

BLOOD TYPE [LAB3461] (Order# 286214955)

Resulted: 01/17/17 1138, Result status: Final result

Blood Type [286214955]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

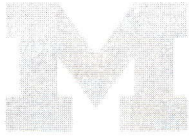
Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Blood Type	A POS	—	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Ann Arbor MI 48109

**Epstein-Barr virus nuclear antigen antibody, IgG
[LAB793]**

Order #286214957

Epstein-Barr virus nuclear antigen antibody, IgG [285933051]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

**EPSTEIN-BARR VIRUS NUCLEAR
ANTIGEN ANTIBODY, IGG [LAB793]
(Order# 286214957)**

Epstein-Barr virus nuclear antigen antibody, IgG [286214957] Resulted: 01/17/17 1517, Result status: Final
(Abnormal) result

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

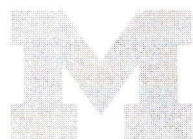
Components

Component	Value	Reference Range	Flag	Lab
EBV Nuclear Ag, IgG	Positive	Negative	A	1257

Comment:
 Serological Profiles of the EBV Antibody Tests
 VCAIgM VCAIgG EBNA EA INTERPRETATION
 Neg Neg Neg Neg Seronegative-susceptible
 Pos Pos Neg Pos/Neg Acute primary infection
 Neg/Pos Pos Neg/Pos Pos Recent primary infection
 Neg Pos Pos Neg/Pos Past infection
 Neg Pos Pos Pos/Neg Reactivated infection
 Individual responses may differ from these characteristic patterns. Equivocal results are within 10% of the cut-off concentrations for a positive.

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

1257 - Unknown	UMHCC PATHOLOGY TRAVERWOOD 2	Unknown	Ann Arbor MI 48109 2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present
----------------	------------------------------------	---------	--	-------------------------

Varicella Zoster Antibody, IgG [LAB162]

Order #286214958

Varicella Zoster Antibody, IgG [285933052]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

VARICELLA ZOSTER ANTIBODY, IGG [LAB162] (Order# 286214958)

Resulted: 01/18/17 0930, Result status: Final result

Varicella Zoster Antibody, IgG [286214958] (Abnormal)

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
VZV IgG Antibody, Index	599.90	Index	—	MM PATH
VZV IgG Antibody, Qualitative	Positive	—	A	MM PATH

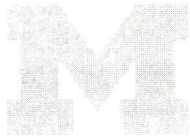
Comment:

Negative <135 Index
 Equivocal 135-165 Index
 Positive >165 Index

Presence of detectable VZV IgG antibodies. A positive result indicates exposure to the pathogen or administration of specific immunoglobulins. It is not an indication of active infection or stage of disease.

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Hepatic Function Panel [LAB20]

Order #286214959

Hepatic Function Panel [285933053]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

HEPATIC FUNCTION PANEL [LAB20]
(Order# 286214959)

Resulted: 01/17/17 1035, Result status: Final result

Hepatic Function Panel [286214959]

Ordering provider: Shahinian, Vahakn Bedig, MD 01/17/17 0927 Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Protein	6.8	6.0 - 8.3 g/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH
AST	13	8 - 30 IU/L	—	MM PATH
ALT	8	<=35 IU/L	—	MM PATH
Alkaline Phosphatase	76	30 - 116 IU/L	—	MM PATH
Bilirubin, Direct	0.1	0.0 - 0.3 mg/dL	—	MM PATH
Bilirubin, Total	0.4	0.2 - 1.2 mg/dL	—	MM PATH

Testing Performed By

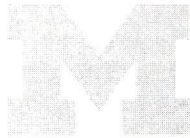
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Hemoglobin A1c [LAB90]

Order #286214960

Hemoglobin A1c [285933054]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Hemoglobin A1c [285933054] (continued)

Ordering user: Wright, Jody, MA
Authorized by: Shahinian, Vahakn Bedig, MD
Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Ordering provider: Shahinian, Vahakn Bedig, MD
Ordering mode: Per policy: cosign required

Results

HEMOGLOBIN A1C [LAB90] (Order# 286214960)

Resulted: 01/17/17 1155, Result status: Final result

Hemoglobin A1c [286214960]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Hemoglobin A1c	4.6	4.2 - 5.6 %	—	MM PATH

Comment:

HbA1C INTERPRETATION:

- 4.2 - 5.6% Normal
- 5.7 - 6.4% Pre-diabetes
- >=6.5% Diabetes

For diagnosis of diabetes mellitus and in the absence of unequivocal hyperglycemia, the laboratory result should be confirmed by repeat testing. According to the American Diabetes Association, the target HbA1C goal for patients with diabetes is <7.0%. Less stringent treatment goals (e.g., HbA1C <8%) may be appropriate for patients with a history of severe hypoglycemia, patients with limited life expectancies, older adults, and individuals with comorbid conditions. More stringent goals (e.g., HbA1C <6.5%) can be considered in individual patients.

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

TSH (Thyroid Stimulating Hormone) [LAB129]

Order #286214961



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

TSH (Thyroid Stimulating Hormone) [285933055]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

TSH [LAB129] (Order# 286214961)

Resulted: 01/17/17 1045, Result status: Final result

TSH (Thyroid Stimulating Hormone) [286214961]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
TSH	1.66	0.30 - 5.50 mIU/L	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

PTH, Intact and Calcium [LAB813]

Order #286214962

PTH, Intact and Calcium [285933056]

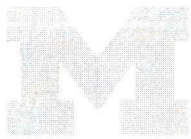
Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

PTH, INTACT AND CALCIUM [LAB813]
(Order# 286214962)

PTH, Intact and Calcium [286214962] (Abnormal)

Resulted: 01/17/17 1045, Result status: Final



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Parathyroid Hormone, Intact	359	10 - 65 pg/mL	H	MM PATH
Calcium PTH	9.3	8.6 - 10.3 mg/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

HIV Antigen Antibody [LAB473]

Order #286214963

HIV Antigen Antibody [285933057]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Questionnaire

Question	Answer
Consent obtained?	Yes

Results

HIV ANTIGEN ANTIBODY [LAB473]
(Order# 286214963)

Resulted: 01/17/17 1126, Result status: Final result

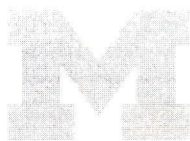
HIV Antigen Antibody [286214963]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
HIV Antigen Antibody, Qualitative	Non- Reactive	Non-React	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #286214967

Protein, Urine (Includes Creat Ratio) [285933058]

Electronically signed by: **Shahinian, Vahakn Bedig, MD** on 01/25/17 1227 Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 286214967)

Resulted: 01/17/17 1019, Result status: Final result

Protein, Urine (Includes Creat Ratio) [286214967] (Abnormal)

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
Urine	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	102.6	mg/dL	—	MM PATH
Creatinine, Urine	67.46	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	1.52	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HLA Patient Low Res. Typing Kidney [LAB7876]

Order #286214968

HLA Patient Low Res. Typing Kidney [285933059]

Electronically signed by: **Shahinian, Vahakn Bedig, MD** on **01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Questionnaire

Question	Answer
Organ?	Kidney

Results

HLA PATIENT LOW RES. TYPING
[LAB7876] (Order# 286214968)

Resulted: 01/20/17 0828, Result status: Final result

HLA Patient Low Res. Typing Kidney [286214968]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulting lab: UMHS PATHOLOGY
01/17/17 0927

Specimen Information

Type	Source	Collected On
—	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
PATIENT LOW RES. TYPING RSLT	See Comment	—	—	1213

Comment:

Diagnosis : Histocompatibility Lab Solid Organ Typing Report.

HLA Typing Results

HLA-A HLA-B B HLA-C DRB1 DRB3/4/5 DQA DQB1 DPB1

BALLOUT,LEILA 119672 CSN:
MRN:030951153 Sample Date: 01/17/2017 Relation: Recipient
2 41 6 7 11 52 05 7
23 49 4 7 13 05 7

The molecular techniques used to obtain the HLA typing results are DNA sequence-based typing (SBT), PCR reaction with Sequence Specific Primers (SSP), DNA polymorphism detection by reverse Sequence Specific Oligonucleotide probes (r-SSO) or any combination of these techniques. When less than two antigens are detected at a given locus other than DRB3, DRB4 or DRB5 homozygosity is the expected result.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

NR=Not Requested; NT=Not Tested; ND=Not Determined; NA=Not Applicable.

Omar Moussa, M.Sc., Ph.D., D(ABHI) Report Date: 01/20/2017
Director, Histocompatibility Laboratory
University of Michigan Health System
Traverwood II, 2910 Huron Parkway
Ann Arbor, MI 48105

This test was developed and its performance characteristics determined by the University of Michigan Histocompatibility laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing. ASHI # 03-2-MI-02-1 CLIA # 23D1088638

HLA ORGAN?	Kidney	—	—	1213
------------	--------	---	---	------

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

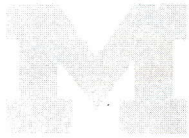
HLA Antibody Specificity Kidney [LAB7404] Order #286214969

HLA Antibody Specificity Kidney [285933060]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Questionnaire	
Question	Answer
Organ?	Kidney

Results HLA ANTIBODY SPECIFICITY [LAB7404] (Order# 286214969)



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Resulted: 01/25/17 1639, Result status: Final result

HLA Antibody Specificity Kidney [286214969]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0930

Components

Component	Value	Reference Range	Flag	Lab
Class I CPRA	94	—	—	1213
Class II CPRA	97	—	—	1213
SPECIFICITIES	See Comment	—	—	1213

Comment:

Sample Date	Sample Number	CPRA Class I	CPRA Class II
01/17/2017	170117-023	94	97

Unacceptables:

A:1 3 11 25 26 29 30 31 32 33 34 36 43 66 68 69 74 80
B:82
Cw:2 4 5 6 15 17 18
DR:8
DQ:2 4 5 6 8 9
DQ7: (DQA1*02:01/DQB1*03:01)
DQ7: (DQA1*03:01/DQB1*03:01)

Avoid Antigens:

B:57 58 63
Cw:12 16
DR:12
DRB1*13:01 (DR13 subtype)
DQ7: (DQA1*06:01/DQB1*03:01)
DP6: (DPA1*01:03/DPB1*06:01)
DP11: (DPA1*01:03/DPB1*11:01)
DP13: (DPA1*03:01/DPB1*13:01)
DP19: (DPA1*01:03/DPB1*19:01)

(Class I & II PRA = UNET Calculated PRA for specificities greater than 3,000 MFI and previous mismatches greater than 700 MFI, and does not include DQA alleles)

HLA ORGAN?	Kidney	—	—	1213
Sample Date	17Jan17	—	—	1213

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

Estimated Glomerular Filtration Rate [LAB3487]

Order #286214972

Estimated Glomerular Filtration Rate [286214972]

Electronically signed by: Lab, Int on 01/17/17 0927
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 01/17/17 0927 -

Status: **Completed**
Authorized by: Shahinian, Vahakn Bedig, MD

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 286214972)

Resulted: 01/17/17 1038, Result status: Final result

Estimated Glomerular Filtration Rate [286214972] (Abnormal)

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	01/17/17 0930

Components

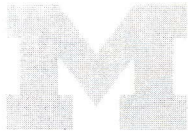
Component	Value	Reference Range	Flag	Lab
EGFR, Black	18	>59 mL/min	L	MM PATH
EGFR, Non-Black	15	>59 mL/min	L	MM PATH

Comment:

eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS	Unknown	1500 E. Medical	10/01/15 1858 - 02/02/17



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

PATHOLOGY

Center Drive 1635
Ann Arbor MI 48109

Blood Type [LAB3461]

Order #286214956

Blood Type [285933050]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Ordered during: Orders Only on 01/14/2017
 Frequency: 01/14/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Results

BLOOD TYPE [LAB3461] (Order# 286214956)

Resulted: 01/17/17 1138, Result status: Final result

Blood Type [286214956]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 0927

Resulting lab: UMHS PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	01/17/17 0937

Components

Component	Value	Reference Range	Flag	Lab
Blood Type	A POS	—	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	UMHS PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	10/01/15 1858 - 02/02/17 1635

HLA Crossmatch FLOW [LAB7875]

Order #286741346

HLA Crossmatch FLOW [286741346]

Electronically signed by: **Lab, Int on 03/15/17 0000** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Shahinian, Vahakn Bedig, MD
 Ordering mode: Standard
 Frequency: 03/15/17 -



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/1/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Results

**HLA CROSSMATCH FLOW [LAB7875]
(Order# 286741346)**

Resulted: 03/21/17 1527, Result status: Final result

HLA Crossmatch FLOW [286741346]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	03/01/17 0822

Components

Component	Value	Reference Range	Flag	Lab
CROSSMATCH FLOW RSLT	See Comment	—	—	1213

Comment:

Donor Name: KHALIL,AMAL ID: 100712176 Crossmatch Date: 03/15/2017
Relationship: Aunt

ALLO-CROSSMATCH

Serum Date	Cell	Method	Treatment	Channel Shift	Result	Comments
03/01/2017	T	FLOW		242	POS	
03/01/2017	B	FLOW		330	POS	
01/17/2017	T	FLOW		226	POS	
01/17/2017	B	FLOW		295	POS	

INTERPRETATION: The T and B cell flow cytometric Allo-Crossmatch is Positive (T cell MCS = 242 & 226 - B cell MCS = 330 & 295) with current sample 3/1/17 and historic sample 1/17/17. There is a DSA against A1 (16,552 MFI), Cw12 (992 MFI) and DQ6 (26,228 MFI) detected on sample 1/17/17. The detection of DSA and positive flow cytometric allo-crossmatch place this recipient/donor combination in a higher risk group for early rejection and graft loss.

Flow cytometric crossmatching performed using 3-color analysis

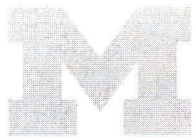
Comments:

A T-cell channel shift > +39 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A B-cell channel shift > +58 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgG channel shift > +60 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgM channel shift > +130 channels is 3 standard deviations above the median of the fluorescence of the negative controls.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/1/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
Recipient:	SELF	—	—	1213
Recipient MRN:	SELF	—	—	1213
Relationship to patient:	Niece	—	—	1213
SOLID ORGAN DONOR TYPE	See Comment	—	—	1213

Comment:

Diagnosis : Histocompatibility Lab Solid Organ Typing Report.

HLA Typing Results

HLA-A HLA-B B HLA-C DRB1 DRB3/4/5 DQA DQB1 DPB1

=====

BALLOUT,LEILA 119672 CSN:
MRN:030951153 Sample Date: 01/17/2017 Relation: Recipient
2 41 6 7 11 52 05 7
23 49 4 7 13 05 7

=====

KHALIL AMAL 120295 CSN:
MRN:100712176 Sample Date: 03/14/2017 Relation: Aunt
1 41 6 7 13 52 01 7
2 52 4 12 15 51 05 6

The molecular techniques used to obtain the HLA typing results are DNA sequence-based typing (SBT), PCR reaction with Sequence Specific Primers (SSP), DNA polymorphism detection by reverse Sequence Specific Oligonucleotide probes (r-SSO) or any combination of these techniques. When less than two antigens are detected at a given locus other than DRB3, DRB4 or DRB5 homozygosity is the expected result. NR=Not Requested; NT=Not Tested; ND=Not Determined; NA=Not Applicable.

Omar Moussa, M.Sc., Ph.D., D(ABHI) Report Date: 03/17/2017
Director, Histocompatibility Laboratory
University of Michigan Health System
Traverwood II, 2910 Huron Parkway
Ann Arbor, MI 48105

This test was developed and its performance characteristics determined by the University of Michigan Histocompatibility laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing. ASHI # 03-2-MI-02-1 CLIA # 23D1088638

HLA ORGAN?	Kidney	—	—	1213
------------	--------	---	---	------

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/1/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

Solid Organ Txp - Monthly PRA (HLA) [LAB7970]

Order #286741340

Solid Organ Txp - Monthly PRA (HLA) [286741340]

Electronically signed by: Lab, Int on 03/02/17 0000
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 03/02/17 -

Authorized by: Naik, Abhijit, MBBS

Status: **Completed**

Results

**SOLID ORGAN TXP MONTHLY PRA (HLA
LAB) [LAB7970] (Order# 286741340)**

Resulted: 03/03/17 1451, Result status: Final result

Solid Organ Txp - Monthly PRA (HLA) [286741340]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	03/01/17 1214

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	01Mar17	—	—	1213
Serum Stored	Serum Stored	—	—	1213

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 3/1/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HLA Crossmatch FLOW [LAB7875]

Order #297170203

HLA Crossmatch FLOW [297170203]

Electronically signed by: **Lab, Int on 04/18/17 0000**
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 04/18/17 -

Status: **Completed**
Authorized by: Shahinian, Vahakn Bedig, MD

Results

HLA CROSSMATCH FLOW [LAB7875]
(Order# 297170203)

Resulted: 04/24/17 1749, Result status: Final result

HLA Crossmatch FLOW [297170203]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	04/17/17 0945

Components

Component	Value	Reference Range	Flag	Lab
CROSSMATCH FLOW RSLT	See Comment	—	—	1213

Comment:

Donor Name: COLLINS,JESSICA ID: 100724663 Crossmatch Date: 04/18/2017
Relationship: Cousin

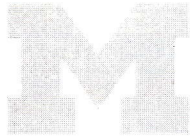
ALLO-CROSSMATCH

Serum Date	Cell	Method	Treatment	Channel	Shift	Result	Comments
04/17/2017	T	FLOW		230		POS	
04/17/2017	B	FLOW		295		POS	
01/17/2017	T	FLOW		256		POS	
01/17/2017	B	FLOW		311		POS	

INTERPRETATION: The T and B cell flow cytometric Allo-Crossmatch is Positive (T cell MCS = 230/256 & B cell MCS = 295/311) with current sample 4/17/17 and historic sample 1/17/17. There is a DSA against A68 (16,028 MFI), Cw5 (16,318 MFI) and DQ7 (4,250 MFI) detected on sample 1/17/17. The detection of DSA and positive flow cytometric allo-crossmatch place this recipient/donor combination in a higher risk group for early rejection and graft loss.

Flow cytometric crossmatching performed using 3-color analysis

Comments:



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

A T-cell channel shift > +50 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A B-cell channel shift > +70 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgG channel shift > +60 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgM channel shift > +130 channels is 3 standard deviations above the median of the fluorescence of the negative controls.

.....

Omar Moussa, M.Sc., Ph.D., D(ABHI)
Director, Histocompatibility Laboratory
University of Michigan Health System
Traverwood II, 2910 Huron Parkway
Ann Arbor, MI 48105

Report Date: 04/24/2017

This test was developed and its performance characteristics determined by the University of Michigan Histocompatibility laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.
ASHI # 03-2-MI-02-1 CLIA # 23D1088638

HLA ORGAN?	Kidney	—	—	1213
------------	--------	---	---	------

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

**New Kidney Donor (HLA Typing 1 & 2, Flow XM)
[LAB7609]**

Order #297170204

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [297170204]

Electronically signed by: Lab, Int on 04/18/17 0000
Ordering user: Lab, Int

Status: **Completed**
Authorized by: Shahinian, Vahakn Bedig, MD



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [297170204] (continued)

Ordering mode: Standard
Frequency: 04/18/17 -

Results

NEW KIDNEY DONOR (HLA TYPING 1 & 2, FLOW XM) [LAB7609] (Order# 297170204)

Resulted: 04/24/17 1203, Result status: Final result

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [297170204]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	04/17/17 0946

Components

Component	Value	Reference Range	Flag	Lab
Recipient:	self	—	—	1213
Recipient MRN:	self	—	—	1213
Relationship to patient:	Cousin	—	—	1213
SOLID ORGAN DONOR TYPE	See Comment	—	—	1213

Comment:

Diagnosis : Histocompatibility Lab Solid Organ Typing Report.

HLA Typing Results

HLA-A HLA-B B HLA-C DRB1 DRB3/4/5 DQA DQB1 DPB1

=====

BALLOUT, LEILA 119672 CSN:
MRN:030951153 Sample Date: 01/17/2017 Relation: Recipient
2 41 6 7 11 52 05 7
23 49 4 7 13 05 7

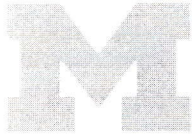
=====

COLLINS JESSICA 120617 CSN:
MRN:100724663 Sample Date: 04/17/2017 Relation: Cousin
2 44 4 5 4 53 03 7
68 44 4 7 4 03 7

The molecular techniques used to obtain the HLA typing results are DNA sequence-based typing (SBT), PCR reaction with Sequence Specific Primers (SSP), DNA polymorphism detection by reverse Sequence Specific Oligonucleotide probes (r-SSO) or any combination of these techniques. When less than two antigens are detected at a given locus other than DRB3, DRB4 or DRB5 homozygosity is the expected result. NR=Not Requested; NT=Not Tested; ND=Not Determined; NA=Not Applicable.

Omar Moussa, M.Sc., Ph.D., D(ABHI)
Director, Histocompatibility Laboratory
University of Michigan Health System
Traverwood II, 2910 Huron Parkway

Report Date: 04/24/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.006	1.005 - 1.034	—	MM PATH
pH, Urine	6.5	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	25	Negative U/L	A	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	30	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #294521017

Protein, Urine (Includes Creat Ratio) [249123196]

Electronically signed by: **Heung, Michael, MD on 03/23/16 1133** Status: **Discontinued**
 Ordering user: Heung, Michael, MD Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Standard
 Ordered during: Office Visit on 03/23/2016 Discontinued by: Heung, Michael, MD 04/17/17 1022
 Frequency: 03/23/16 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 294521017)

Resulted: 04/17/17 1121, Result status: Final

Protein, Urine (Includes Creat Ratio) [294521017] (Abnormal)

result

Ordering provider: Heung, Michael, MD 04/17/17 1020 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	04/17/17 1022

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	54.9	mg/dL	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Creatinine, Urine	46.73	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	1.17	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

**Urine Microscopic Analysis, UMIC (Lab Performed)
[LAB3504]**

Order #297027499

Urine Microscopic Analysis, UMIC (Lab Performed) [297027499]

Electronically signed by: Lab, Int on 04/17/17 1020
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 04/17/17 1020 -

Authorized by: Heung, Michael, MD

Status: **Completed**

Results

**URINE MICROSCOPIC [LAB3504] (Order#
297027499)**

Urine Microscopic Analysis, UMIC (Lab Performed) [297027499]
(Abnormal)

Resulted: 04/17/17 1151, Result status: Final
result

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

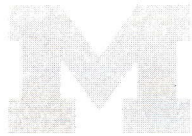
Type	Source	Collected On
—	—	04/17/17 1022

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Moderate	0 - Few /lpf	A	MM PATH
Mucus	Occasional	Occ-Slight /lpf	—	MM PATH
RBC/Hpf	0-2	0 - 3 /hpf	—	MM PATH
WBC/HPF	3-5	0 - 3 /hpf	A	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Bacteria	Few	None - Few /hpf	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Renal Function Panel [LAB19]

Order #297027494

Renal Function Panel [286741342]

Status: **Active**

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**

Mode: Ordering in Per policy: cosign required mode

Communicated by: Beckman, Ruth, RN

Ordering user: Beckman, Ruth, RN

Ordering provider: Heung, Michael, MD

Authorized by: Heung, Michael, MD

Ordering mode: Per policy: cosign required

Ordered during: Telephone on 03/14/2017

Frequency: 03/14/17 -

Diagnoses

PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 297027494)

Resulted: 04/17/17 1138, Result status: Final result

Renal Function Panel [297027494] (Abnormal)

Ordering provider: Heung, Michael, MD 04/17/17 1034

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

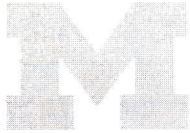
Type	Source	Collected On
Blood.	—	04/17/17 1039

Components

Component	Value	Reference Range	Flag	Lab
Sodium	138	136 - 146 mmol/L	—	MM PATH
Potassium	4.7	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	106	98 - 108 mmol/L	—	MM PATH
CO2	26	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	58	8 - 20 mg/dL	H	MM PATH
Creatinine	4.10	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	86	73 - 100 mg/dL	—	MM PATH
Calcium	9.8	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	3.8	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.4	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [LAB293]

Order #297027495

CBC with Platelet and Differential [286741343]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**

Mode: Ordering in Per policy: cosign required mode

Communicated by: Beckman, Ruth, RN

Ordering user: Beckman, Ruth, RN

Ordering provider: Heung, Michael, MD

Authorized by: Heung, Michael, MD

Ordering mode: Per policy: cosign required

Ordered during: Telephone on 03/14/2017

Frequency: 03/14/17 -

Diagnoses

PKD (polycystic kidney disease) [Q61.3]

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 297027495)

Resulted: 04/17/17 1113, Result status: Final result

CBC with Platelet and Differential [297027495] (Abnormal)

Ordering provider: Heung, Michael, MD 04/17/17 1034

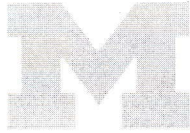
Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	04/17/17 1039

Components

Component	Value	Reference Range	Flag	Lab
WBC	3.5	4.0 - 10.0 K/uL	L	MM PATH
HGB	9.6	12.0 - 16.0 g/dL	L	MM PATH
HCT	29.3	36.0 - 48.0 %	L	MM PATH
PLT	139	150 - 400 K/uL	L	MM PATH
RBC	3.15	3.90 - 5.00 M/uL	L	MM PATH
MCV	93.0	79.0 - 99.0 fl	—	MM PATH
MCH	30.5	27.0 - 32.0 pg	—	MM PATH
MCHC	32.8	32.0 - 35.0 g/dL	—	MM PATH
RDW	13.2	11.5 - 15.0 %	—	MM PATH
MPV	11.4	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.3	0.0 - 1.0 %	—	MM PATH
Neutrophil %	58.0	36.0 - 71.0 %	—	MM PATH
Lymphocyte %	26.3	20.0 - 50.0 %	—	MM PATH
Monocyte %	9.4	6.0 - 13.0 %	—	MM PATH
Eosinophil %	5.7	0.0 - 6.0 %	—	MM PATH
Basophil %	0.3	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	2.0	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	0.9	1.2 - 4.0 K/uL	L	MM PATH
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.2	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Solid Organ Txp - Monthly PRA (HLA) Kidney
[LAB7970]

Order #297027498

Solid Organ Txp - Monthly PRA (HLA) Kidney [294521010]

Electronically signed by: **Naik, Abhijit, MBBS on 04/18/17 1615** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode
 Communicated by: Wyatt, Kelly A, RN
 Ordering user: Wyatt, Kelly A, RN
 Ordering provider: Naik, Abhijit, MBBS
 Authorized by: Naik, Abhijit, MBBS
 Ordering mode: Per policy: cosign required
 Ordered during: Telephone on 04/13/2017
 Frequency: 04/13/17 -
 Diagnoses
 Polycystic kidney [Q61.3]
 Pre-transplant evaluation for end stage renal disease [Z01.818]

Questionnaire

Question	Answer
Organ?	Kidney

Order comments: Crossmatch to be drawn with potential donor MRN 100724663 , Please draw 3 yellow top ACD tubes and 1 red top tube Draw date Monday 4/17/17

Results

SOLID ORGAN TXP MONTHLY PRA (HLA LAB) [LAB7970] (Order# 297027498)

Resulted: 05/04/17 1700, Result status: Final

Solid Organ Txp - Monthly PRA (HLA) Kidney [297027498]

result

Ordering provider: Naik, Abhijit, MBBS 04/17/17 1034 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

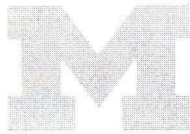
Specimen Information

Type	Source	Collected On
—	—	04/17/17 1039

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	17Apr17	—	—	1213
Class I PRA	96	—	—	1213
Class II PRA	83	—	—	1213
PRA Result, HLA Ab Screen	See Comment	—	—	1213

Comment:



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Solid Organ Txp - Monthly PRA (HLA) Kidney
[LAB7970]

Order #297027498

Solid Organ Txp - Monthly PRA (HLA) Kidney [294521010]

Electronically signed by: **Naik, Abhijit, MBBS on 04/18/17 1615** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode
 Communicated by: Wyatt, Kelly A, RN
 Ordering user: Wyatt, Kelly A, RN
 Ordering provider: Naik, Abhijit, MBBS
 Authorized by: Naik, Abhijit, MBBS
 Ordering mode: Per policy: cosign required
 Ordered during: Telephone on 04/13/2017
 Frequency: 04/13/17 -
 Diagnoses
 Polycystic kidney [Q61.3]
 Pre-transplant evaluation for end stage renal disease [Z01.818]

Questionnaire

Question	Answer
Organ?	Kidney

Order comments: Crossmatch to be drawn with potential donor MRN 100724663 , Please draw 3 yellow top ACD tubes and 1 red top tube Draw date Monday 4/17/17

Results

**SOLID ORGAN TXP MONTHLY PRA (HLA
LAB) [LAB7970] (Order# 297027498)**

Resulted: 05/04/17 1700, Result status: Final

Solid Organ Txp - Monthly PRA (HLA) Kidney [297027498]

result

Ordering provider: Naik, Abhijit, MBBS 04/17/17 1034 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	04/17/17 1039

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	17Apr17	—	—	1213
Class I PRA	96	—	—	1213
Class II PRA	83	—	—	1213
PRA Result, HLA Ab Screen	See Comment	—	—	1213

Comment:



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Sample Date	Sample Number	Test	PRA	Comments
04/17/2017	170417-270	LPRI	96	
04/17/2017	170417-270	LPRII	83	

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

Comments

Crossmatch to be drawn with potential donor MRN 100724663 , Please draw 3 yellow top ACD tubes and 1 red top tube

Draw date Monday 4/17/17

Estimated Glomerular Filtration Rate [LAB3487]

Order #297027500

Estimated Glomerular Filtration Rate [297027500]

Electronically signed by: Lab, Int on 04/17/17 1034
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 04/17/17 1034 -

Authorized by: Heung, Michael, MD

Status: **Completed**

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 297027500)

Resulted: 04/17/17 1138, Result status: Final result

Estimated Glomerular Filtration Rate [297027500] (Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

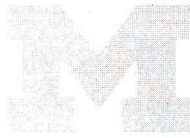
Specimen Information

Type	Source	Collected On
—	—	04/17/17 1039

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	15	>59 mL/min	L	MM PATH
EGFR, Non-Black	12	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function.

The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Solid Organ Txp - Monthly PRA (HLA) [LAB7970]

Order #297027501

Solid Organ Txp - Monthly PRA (HLA) [297027501]

Electronically signed by: Lab, Int on 04/17/17 0000
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 04/17/17 -

Authorized by: Naik, Abhijit, MBBS

Status: Completed

Results

**SOLID ORGAN TXP MONTHLY PRA (HLA
LAB) [LAB7970] (Order# 297027501)**

Resulted: 04/19/17 1459, Result status: Final result

Solid Organ Txp - Monthly PRA (HLA) [297027501]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	04/17/17 1404

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	17Apr17	—	—	1213
Serum Stored	Serum Stored	—	—	1213

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT	Unknown	1500 E. Medical Center Drive	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 4/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

1213 - Unknown	OF PATHOLOGY		Ann Arbor MI 48109	
	UMHS	Unknown	2910 Huron Parkway	09/29/15 2033 - Present
	HISTOCOMPATIBI		Ann Arbor MI 48105	
	LITY LABORATORY			

Solid Organ Txp - Monthly PRA (HLA) [LAB7970]

Order #300093166

Solid Organ Txp - Monthly PRA (HLA) [300093166]

Electronically signed by: Lab, Int on 05/12/17 0000
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 05/12/17 -

Authorized by: Naik, Abhijit, MBBS

Status: **Completed**

Results

SOLID ORGAN TXP MONTHLY PRA (HLA LAB) [LAB7970] (Order# 300093166)

Resulted: 05/16/17 1617, Result status: Final result

Solid Organ Txp - Monthly PRA (HLA) [300093166]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	05/11/17 1232

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	11May17	—	—	1213
Serum Stored	Serum	—	—	1213
	Stored			

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

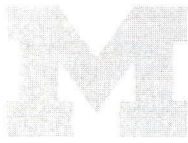
Renal Function Panel [LAB19]

Order #297170209

Renal Function Panel [286741342]

Electronically signed by: Heung, Michael, MD on 03/14/17 1603

Status: **Active**



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Renal Function Panel [286741342] (continued)

Mode: Ordering in Per policy: cosign required mode	Communicated by: Beckman, Ruth, RN
Ordering user: Beckman, Ruth, RN	Ordering provider: Heung, Michael, MD
Authorized by: Heung, Michael, MD	Ordering mode: Per policy: cosign required
Ordered during: Telephone on 03/14/2017	
Frequency: 03/14/17 -	
Diagnoses	
PKD (polycystic kidney disease) [Q61.3]	

Results

**RENAL FUNCTION PANEL [LAB19]
(Order# 297170209)**

Resulted: 05/11/17 1804, Result status: Final result

Renal Function Panel [297170209] (Abnormal)

Ordering provider: Heung, Michael, MD 05/11/17 1343 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
Sodium	139	136 - 146 mmol/L	—	MM PATH
Potassium	4.5	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	108	98 - 108 mmol/L	—	MM PATH
CO2	27	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	45	8 - 20 mg/dL	H	MM PATH
Creatinine	3.70	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	86	73 - 100 mg/dL	—	MM PATH
Calcium	9.7	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	4.1	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

CBC with Platelet and Differential [LAB293]

Order #297170210

CBC with Platelet and Differential [286741343]

Electronically signed by: Heung, Michael, MD on 03/14/17 1603

Status: Active



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [286741343] (continued)

Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 297170210)

Resulted: 05/11/17 1410, Result status: Final result

CBC with Platelet and Differential [297170210] (Abnormal)

Ordering provider: Heung, Michael, MD 05/11/17 1343
Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

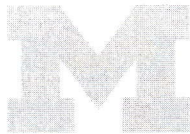
Specimen Information

Type	Source	Collected On
Blood.	—	05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
WBC	2.5	4.0 - 10.0 K/uL	L	1206
HGB	9.2	12.0 - 16.0 g/dL	L	1206
HCT	28.2	36.0 - 48.0 %	L	1206
PLT	152	150 - 400 K/uL	—	1206
RBC	3.12	3.90 - 5.00 M/uL	L	1206
MCV	90.4	79.0 - 99.0 fl	—	1206
MCH	29.5	27.0 - 32.0 pg	—	1206
MCHC	32.6	32.0 - 35.0 g/dL	—	1206
RDW	13.0	11.5 - 15.0 %	—	1206
MPV	10.0	9.0 - 12.2 fl	—	1206
Imm Granulocyte %	0.0	0.0 - 1.0 %	—	1206
Neutrophil %	46.6	36.0 - 71.0 %	—	1206
Lymphocyte %	38.2	20.0 - 50.0 %	—	1206
Monocyte %	9.6	6.0 - 13.0 %	—	1206
Eosinophil %	5.2	0.0 - 6.0 %	—	1206
Basophil %	0.4	0.0 - 1.0 %	—	1206
Absolute Neutrophil Count	1.2	1.5 - 7.2 K/uL	L	1206
Absolute Lymphocyte Count	1.0	1.2 - 4.0 K/uL	L	1206
Absolute Monocyte Count	0.2	0.1 - 1.1 K/uL	—	1206
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	1206
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	1206
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	1206

Testing Performed By



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1206 - Unknown	CANTON HEALTH CENTER	Unknown	1051 Canton Center Road North Canton MI 48187	09/29/15 2033 - Present

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #297170211

Protein, Urine (Includes Creat Ratio) [286741344]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Beckman, Ruth, RN
 Authorized by: Heung, Michael, MD
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 297170211)

Resulted: 05/11/17 1815, Result status: Final result

Protein, Urine (Includes Creat Ratio) [297170211] (Abnormal)

Ordering provider: Heung, Michael, MD 05/11/17 1343
 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	65.2	mg/dL	—	MM PATH
Creatinine, Urine	69.10	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.94	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urinalysis [LAB348]

Order #297170212



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Urinalysis [286741345]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required

Results

URINALYSIS [LAB348] (Order# 297170212)

Resulted: 05/11/17 1727, Result status: Final result

Urinalysis [297170212] (Abnormal)

Ordering provider: Heung, Michael, MD 05/11/17 1343
Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	6.0	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	75	Negative U/L	A	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	30	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urine Microscopic Analysis, UMIC (Lab Performed) [LAB3504]

Order #297170213

Urine Microscopic Analysis, UMIC (Lab Performed) [297170213]



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Urine Microscopic Analysis, UMIC (Lab Performed) [297170213] (continued)

Electronically signed by: **Lab, Int on 05/11/17 1343** Status: **Completed**
Ordering user: Lab, Int Authorized by: Heung, Michael, MD
Ordering mode: Standard
Frequency: 05/11/17 1343 -

Results

URINE MICROSCOPIC [LAB3504] (Order# 297170213)

Urine Microscopic Analysis, UMIC (Lab Performed) [297170213] Resulted: 05/11/17 1730, Result status: Final result
(Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Moderate	0 - Few /lpf	A	MM PATH
RBC/Hpf	0-2	0 - 3 /hpf	—	MM PATH
WBC/HPF	3-5	0 - 3 /hpf	A	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Bacteria	Occasional	None - Few /hpf	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Estimated Glomerular Filtration Rate [LAB3487]

Order #300093165

Estimated Glomerular Filtration Rate [300093165]

Electronically signed by: **Lab, Int on 05/11/17 1343** Status: **Completed**
Ordering user: Lab, Int Authorized by: Heung, Michael, MD
Ordering mode: Standard
Frequency: 05/11/17 1343 -

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 300093165)

Resulted: 05/11/17 1804, Result status: Final result

Estimated Glomerular Filtration Rate [300093165] (Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	—



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

05/11/17 1346

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	17	>59 mL/min	L	MM PATH
EGFR, Non-Black	14	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Renal Function Panel [LAB19]

Order #300093175

Renal Function Panel [286741342]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 300093175)

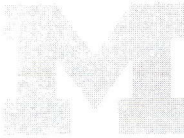
Resulted: 06/02/17 1802, Result status: Final result

Renal Function Panel [300093175] (Abnormal)

Ordering provider: Heung, Michael, MD 06/02/17 1431
 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	06/02/17 1433



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
Sodium	138	136 - 146 mmol/L	—	MM PATH
Potassium	4.2	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	107	98 - 108 mmol/L	—	MM PATH
CO2	21	22 - 34 mmol/L	L	MM PATH
Urea Nitrogen	56	8 - 20 mg/dL	H	MM PATH
Creatinine	3.78	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	92	73 - 100 mg/dL	—	MM PATH
Calcium	9.3	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	4.8	2.7 - 4.6 mg/dL	H	MM PATH
Albumin	4.2	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

CBC with Platelet and Differential [LAB293]

Order #302662143

CBC with Platelet and Differential [286741343]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Beckman, Ruth, RN
 Authorized by: Heung, Michael, MD
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 302662143)

Resulted: 06/02/17 1449, Result status: Final result

CBC with Platelet and Differential [302662143] (Abnormal)

Ordering provider: Heung, Michael, MD 06/02/17 1431
 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	06/02/17 1433

Components



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
WBC	2.6	4.0 - 10.0 K/uL	L	1206
HGB	9.0	12.0 - 16.0 g/dL	L	1206
HCT	27.3	36.0 - 48.0 %	L	1206
PLT	175	150 - 400 K/uL	—	1206
RBC	3.07	3.90 - 5.00 M/uL	L	1206
MCV	88.9	79.0 - 99.0 fl	—	1206
MCH	29.3	27.0 - 32.0 pg	—	1206
MCHC	33.0	32.0 - 35.0 g/dL	—	1206
RDW	13.1	11.5 - 15.0 %	—	1206
MPV	10.2	9.0 - 12.2 fl	—	1206
Imm Granulocyte %	0.0	0.0 - 1.0 %	—	1206
Neutrophil %	47.5	36.0 - 71.0 %	—	1206
Lymphocyte %	36.5	20.0 - 50.0 %	—	1206
Monocyte %	8.4	6.0 - 13.0 %	—	1206
Eosinophil %	7.2	0.0 - 6.0 %	H	1206
Basophil %	0.4	0.0 - 1.0 %	—	1206
Absolute Neutrophil Count	1.3	1.5 - 7.2 K/uL	L	1206
Absolute Lymphocyte Count	1.0	1.2 - 4.0 K/uL	L	1206
Absolute Monocyte Count	0.2	0.1 - 1.1 K/uL	—	1206
Absolute Eosinophil Count	0.2	0.0 - 0.5 K/uL	—	1206
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	1206
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	1206

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1206 - Unknown	CANTON HEALTH CENTER	Unknown	1051 Canton Center Road North Canton MI 48187	09/29/15 2033 - Present

Protein, Urine (Includes Creat Ratio) [LAB439]

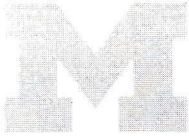
Order #302662144

Protein, Urine (Includes Creat Ratio) [286741344]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Beckman, Ruth, RN
 Authorized by: Heung, Michael, MD
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 302662144)

Resulted: 06/02/17 1742, Result status: Final result

Protein, Urine (Includes Creat Ratio) [302662144] (Abnormal)

Ordering provider: Heung, Michael, MD 06/02/17 1431 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	06/02/17 1433

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	54.4	mg/dL	—	MM PATH
Creatinine, Urine	66.63	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.82	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urinalysis [LAB348]

Order #302662145

Urinalysis [286741345]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

URINALYSIS [LAB348] (Order# 302662145)

Resulted: 06/02/17 1719, Result status: Final result

Urinalysis [302662145] (Abnormal)

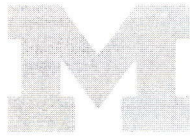
Ordering provider: Heung, Michael, MD 06/02/17 1431 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	06/02/17 1433

Components

Component	Value	Reference Range	Flag	Lab
-----------	-------	-----------------	------	-----



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	5.5	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	25	Negative U/L	A	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	30	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urine Microscopic Analysis, UMIC (Lab Performed)
[LAB3504]

Order #302662146

Urine Microscopic Analysis, UMIC (Lab Performed) [302662146]

Electronically signed by: Lab, Int on 06/02/17 1431 Status: **Completed**
Ordering user: Lab, Int Authorized by: Heung, Michael, MD
Ordering mode: Standard
Frequency: 06/02/17 1431 -

Results

URINE MICROSCOPIC [LAB3504] (Order# 302662146)

Urine Microscopic Analysis, UMIC (Lab Performed) [302662146]
(Abnormal)

Resulted: 06/02/17 1721, Result status: Final result

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	06/02/17 1433

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Occasional	0 - Few /lpf	—	MM PATH
RBC/Hpf	0-2	0 - 3 /hpf	—	MM PATH
WBC/HPF	3-5	0 - 3 /hpf	A	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Bacteria	Occasional	None - Few /hpf	—	MM PATH



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Estimated Glomerular Filtration Rate [LAB3487]

Order #302662147

Estimated Glomerular Filtration Rate [302662147]

Electronically signed by: Lab, Int on 06/02/17 1431
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 06/02/17 1431 -

Authorized by: Heung, Michael, MD

Status: **Completed**

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 302662147)

Resulted: 06/02/17 1802, Result status: Final result

Estimated Glomerular Filtration Rate [302662147] (Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	06/02/17 1433

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	16	>59 mL/min	L	MM PATH
EGFR, Non-Black	13	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 6/2/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HLA Crossmatch FLOW [LAB7875]

Order #314622230

HLA Crossmatch FLOW [314622230]

Status: **Completed**

Electronically signed by: **Lab, Int on 09/12/17 0000**
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 09/12/17 -

Authorized by: Heung, Michael, MD

Results

HLA CROSSMATCH FLOW [LAB7875]
(Order# 314622230)

Resulted: 09/22/17 1431, Result status: Final result

HLA Crossmatch FLOW [314622230]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/11/17 0757

Components

Component	Value	Reference Range	Flag	Lab
CROSSMATCH FLOW RSLT	See Comment	—	—	1213

Comment:

Donor Name: KHALIL,ABBAS ID: 100727611 Crossmatch Date: 09/12/2017
Relationship: Uncle

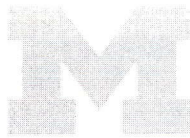
ALLO-CROSSMATCH

Serum Date	Cell	Method	Treatment Channel	Shift	Result	Comments
09/11/2017	T	FLOW	274	POS		
09/11/2017	B	FLOW	252	POS		
01/17/2017	T	FLOW	373	POS		
01/17/2017	B	FLOW	337	POS		

INTERPRETATION: The T and B cell flow cytometric Allo-Crossmatch is Positive (T-cell MCS = 274 & 373) and (B-cell MCS = 252 & 337) with current sample 09/11/17 and historic sample 01/17/17. There is DSA against A1 (16,552 MFI), A11 (15,082 MFI), Cw4 (7,318 MFI), DQ2 (3,151 MFI) and DQ8 (19,351 MFI) detected on 01/17/17. The detection of DSA and positive flow cytometric allo-crossmatch place this recipient/donor combination in a higher risk group for early rejection and graft loss.

Flow cytometric crossmatching performed using 3-color analysis

Comments:



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

A T-cell channel shift > +50 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A B-cell channel shift > +70 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgG channel shift > +60 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A EPC IgM channel shift > +130 channels is 3 standard deviations above the median of the fluorescence of the negative controls.

.....

Omar Moussa, M.Sc., Ph.D., D(ABHI) Report Date: 09/22/2017
Director, Histocompatibility Laboratory
University of Michigan Health System
Traverwood II, 2910 Huron Parkway
Ann Arbor, MI 48105

This test was developed and its performance characteristics determined by the University of Michigan Histocompatibility laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing. ASHI # 03-2-MI-02-1 CLIA # 23D1088638

HLA ORGAN?	Kidney	—	—	1213
------------	--------	---	---	------

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

**New Kidney Donor (HLA Typing 1 & 2, Flow XM)
[LAB7609]**

Order #314622231

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [314622231]

Electronically signed by: Lab, Int on 09/12/17 0000

Status: **Completed**



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [314622231] (continued)

Ordering user: Lab, Int Authorized by: Heung, Michael, MD
Ordering mode: Standard
Frequency: 09/12/17 -

Results

NEW KIDNEY DONOR (HLA TYPING 1 & 2, FLOW XM) [LAB7609] (Order# 314622231)

Resulted: 09/18/17 1155, Result status: Final result

New Kidney Donor (HLA Typing 1 & 2, Flow XM) [314622231]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/11/17 0759

Components

Component	Value	Reference Range	Flag	Lab
Recipient:	SELF	—	—	1213
Recipient MRN:	SELF	—	—	1213
Relationship to patient:	Niece	—	—	1213
SOLID ORGAN DONOR TYPE	See Comment	—	—	1213

Comment:

Diagnosis : Histocompatibility Lab Solid Organ Typing Report.

HLA Typing Results

HLA-A HLA-B B HLA-C DRB1 DRB3/4/5 DQA DQB1 DPB1

=====

BALLOUT,LEILA 119672 CSN:
MRN:030951153 Sample Date: 01/17/2017 Relation: Recipient
2 41 6 7 11 52 05 7
23 49 4 7 13 05 7

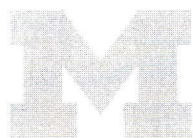
=====

KHALIL ABBAS 121995 CSN:
MRN:100727611 Sample Date: 09/11/2017 Relation: Uncle
1 35 6 4 17 52 03 2
11 35 6 12 4 53 05 8

The molecular techniques used to obtain the HLA typing results are DNA sequence-based typing (SBT), PCR reaction with Sequence Specific Primers (SSP), DNA polymorphism detection by reverse Sequence Specific Oligonucleotide probes (r-SSO) or any combination of these techniques. When less than two antigens are detected at a given locus other than DRB3, DRB4 or DRB5 homozygosity is the expected result. NR=Not Requested; NT=Not Tested; ND=Not Determined; NA=Not Applicable.

Omar Moussa, M.Sc., Ph.D., D(ABHI)
Director, Histocompatibility Laboratory
University of Michigan Health System

Report Date: 09/18/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Traverwood II, 2910 Huron Parkway
Ann Arbor, MI 48105

This test was developed and its performance characteristics determined by the University of Michigan Histocompatibility laboratory. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing. ASHI # 03-2-MI-02-1 CLIA # 23D1088638

HLA ORGAN?	Kidney	—	—	1213
------------	--------	---	---	------

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBI LITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present

Renal Function Panel [LAB19]

Order #313961493

Renal Function Panel [286741342]

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603** Status: **Active**
 Mode: Ordering in Per policy: cosign required mode
 Communicated by: Beckman, Ruth, RN
 Ordering user: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD
 Ordering mode: Per policy: cosign required
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Results

RENAL FUNCTION PANEL [LAB19]
(Order# 313961493)

Resulted: 09/11/17 1841, Result status: Final result

Renal Function Panel [313961493] (Abnormal)

Ordering provider: Heung, Michael, MD 09/11/17 1442 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	09/11/17 1445



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Component	Value	Reference Range	Flag	Lab
Sodium	140	136 - 146 mmol/L	—	MM PATH
Potassium	4.1	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	110	98 - 108 mmol/L	H	MM PATH
CO2	22	22 - 34 mmol/L	—	MM PATH
Urea Nitrogen	57	8 - 20 mg/dL	H	MM PATH
Creatinine	4.22	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	114	73 - 100 mg/dL	H	MM PATH
Calcium	9.2	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	3.6	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

CBC with Platelet and Differential [LAB293]

Order #313961494

CBC with Platelet and Differential [286741343]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Beckman, Ruth, RN
 Authorized by: Heung, Michael, MD
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 313961494)

Resulted: 09/11/17 1500, Result status: Final

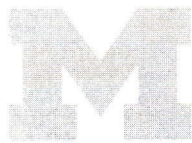
CBC with Platelet and Differential [313961494] (Abnormal)

result

Ordering provider: Heung, Michael, MD 09/11/17 1442
 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	09/11/17 1445



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
WBC	3.7	4.0 - 10.0 K/uL	L	1206
HGB	9.1	12.0 - 16.0 g/dL	L	1206
HCT	27.3	36.0 - 48.0 %	L	1206
PLT	184	150 - 400 K/uL	—	1206
RBC	3.14	3.90 - 5.00 M/uL	L	1206
MCV	86.9	79.0 - 99.0 fl	—	1206
MCH	29.0	27.0 - 32.0 pg	—	1206
MCHC	33.3	32.0 - 35.0 g/dL	—	1206
RDW	13.3	11.5 - 15.0 %	—	1206
MPV	9.6	9.0 - 12.2 fl	—	1206
Imm Granulocyte %	0.0	0.0 - 1.0 %	—	1206
Neutrophil %	66.0	36.0 - 71.0 %	—	1206
Lymphocyte %	22.4	20.0 - 50.0 %	—	1206
Monocyte %	7.5	6.0 - 13.0 %	—	1206
Eosinophil %	3.8	0.0 - 6.0 %	—	1206
Basophil %	0.3	0.0 - 1.0 %	—	1206
Absolute Neutrophil Count	2.5	1.5 - 7.2 K/uL	—	1206
Absolute Lymphocyte Count	0.8	1.2 - 4.0 K/uL	L	1206
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	1206
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	1206
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	1206
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	1206

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1206 - Unknown	CANTON HEALTH CENTER	Unknown	1051 Canton Center Road North Canton MI 48187	09/29/15 2033 - Present

HLA Crossmatch FLOW Kidney [LAB7875]

Order #313961499

HLA Crossmatch FLOW Kidney [302662152]

Status: **Completed**

Electronically signed by: **Naik, Abhijit, MBBS on 09/08/17 1248**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Wyatt, Kelly A, RN
 Authorized by: Naik, Abhijit, MBBS
 Ordered during: Orders Only on 09/06/2017
 Frequency: 09/06/17 -
 Diagnoses

Communicated by: Wyatt, Kelly A, RN
 Ordering provider: Naik, Abhijit, MBBS
 Ordering mode: Per policy: cosign required

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HLA Crossmatch FLOW Kidney [302662152] (continued)

Pre-transplant evaluation for end stage renal disease [Z01.818]
Polycystic kidney [Q61.3]

Questionnaire

Question	Answer
Organ?	Kidney

Order comments: Please complete Auto-crossmatch Please draw 3 yellow top ACD tubes and 1 red top tube Draw date Monday 09/11/17

Results

**HLA CROSSMATCH FLOW [LAB7875]
(Order# 313961499)**

Resulted: 09/22/17 1431, Result status: Final result

HLA Crossmatch FLOW Kidney [313961499]

Ordering provider: Naik, Abhijit, MBBS 09/11/17 1442 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/11/17 1445

Components

Component	Value	Reference Range	Flag	Lab
CROSSMATCH FLOW RSLT	See Comment	—	—	1213

Comment:

Donor Name: BALLOUT,LEILA ID: 030951153 Crossmatch Date: 09/12/2017
Relationship: Patient

AUTO-CROSSMATCH

Serum Date	Cell	Method	Treatment Channel	Shift	Result	Comments
09/11/2017	T	FLOW	25	NEG		
09/11/2017	B	FLOW	38	NEG		
01/17/2017	T	FLOW	25	NEG		
01/17/2017	B	FLOW	40	NEG		

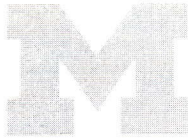
INTERPRETATION: The T and B cell flow cytometric Auto-Crossmatch is negative.

Flow cytometric crossmatching performed using 3-color analysis

Comments:

A T-cell channel shift > +50 channels is 2 standard deviations above the median of the fluorescence of the negative controls.

A B-cell channel shift > +70 channels is 2 standard deviations above the median of the fluorescence of the negative controls.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Estimated Glomerular Filtration Rate [313961502] (continued)

Electronically signed by: **Lab, Int on 09/11/17 1442** Status: **Completed**
Ordering user: Lab, Int Authorized by: Heung, Michael, MD
Ordering mode: Standard
Frequency: 09/11/17 1442 -

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 313961502)

Resulted: 09/11/17 1841, Result status: Final result

Estimated Glomerular Filtration Rate [313961502] (Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/11/17 1445

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	14	>59 mL/min	L	MM PATH
EGFR, Non-Black	12	>59 mL/min	L	MM PATH

Comment:
eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

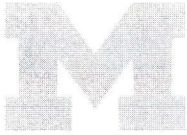
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Solid Organ Txp - Monthly PRA (HLA) Kidney [LAB7970]

Order #313961500

Solid Organ Txp - Monthly PRA (HLA) Kidney [302662153]

Electronically signed by: **Naik, Abhijit, MBBS on 09/08/17 1248** Status: **Completed**
Mode: Ordering in Per policy: cosign required mode Communicated by: Wyatt, Kelly A, RN
Ordering user: Wyatt, Kelly A, RN Ordering provider: Naik, Abhijit, MBBS
Authorized by: Naik, Abhijit, MBBS Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 09/06/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Solid Organ Txp - Monthly PRA (HLA) Kidney [302662153] (continued)

Frequency: 09/06/17 -
Diagnoses
Pre-transplant evaluation for end stage renal disease [Z01.818]
Polycystic kidney [Q61.3]

Questionnaire

Question	Answer
Organ?	Kidney

Order comments: Please complete Auto-crossmatch Please draw 3 yellow top ACD tubes and 1 red top tube Draw date Monday 09/11/17

Results

SOLID ORGAN TXP MONTHLY PRA (HLA LAB) [LAB7970] (Order# 313961500)

Resulted: 09/19/17 1239, Result status: Final result

Solid Organ Txp - Monthly PRA (HLA) Kidney [313961500]

Ordering provider: Naik, Abhijit, MBBS 09/11/17 1442 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/11/17 1448

Components

Component	Value	Reference Range	Flag	Lab
HLA ORGAN?	Kidney	—	—	1213
Sample Date	11Sep17	—	—	1213
Class I PRA	93	—	—	1213
Class II PRA	71	—	—	1213
PRA Result, HLA Ab Screen	See Comment	—	—	1213

Comment:

Sample Date	Sample Number	Test	PRA	Comments
09/11/2017	170912-019	LPRI	93	
09/11/2017	170912-019	LPRII	71	

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1213 - Unknown	UMHS HISTOCOMPATIBILITY LABORATORY	Unknown	2910 Huron Parkway Ann Arbor MI 48105	09/29/15 2033 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/11/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Comments

Please complete Auto-crossmatch

Please draw 3 yellow top ACD tubes and 1 red top tube

Draw date Monday 09/11/17

HISTOCOMPATABILITY RESULT (SENDOUT) [LAB7A]

Order #314622235

HISTOCOMPATABILITY RESULT (SENDOUT) [314622235]

Electronically signed by: **Um_Edi, Onbase Pointers In on 09/22/17 1434** Status: **Completed**
Ordering user: Um_Edi, Onbase Pointers In Authorized by: Physician Not Identified, Scanning Only
Ordering mode: Standard
Frequency: -

Results

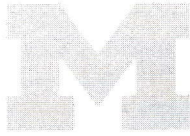
**HISTOCOMPATABILITY RESULT
(SENDOUT) [LAB7A] (Order# 314622235)**

HISTOCOMPATABILITY RESULT (SENDOUT) [314622235]

Resulted: 09/22/17 1434, Result status: Final
result

Order-Level Documents:

Scan on 9/22/2017 2:34 PM by Physician Not Identified, Scanning Only : Pathology Flow Crossmatch (below)



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/18/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Order-Level Documents: (continued)



Department of Pathology
University of Michigan Health System
Travenwood II, 2910 Huron Parkway
Ann Arbor, MI 48105
Lab (734)647-2774, Fax (734)936-7583
Omar Moussa, M.Sc., Ph.D., D(ABHI), Director

Name: BALLOUT, LEILA
MRN: 030951153
DOB: 11/08/1979
Physician: SHAHINIEN, VAHAKN
Hospital: 0000
Patient ID: 119672

Histocompatibility Lab Flow Crossmatch Report

Crossmatch

Donor Name: KHALIL, ABBAS ID: 100727611 Crossmatch Date: 09/12/2017
Relationship: Uncle

ALLO-CROSSMATCH

Serum Date	Cell	Method	Treatment	Channel Shift	Result	Comments
09/11/2017	T	FLOW		274	POS	
09/11/2017	B	FLOW		252	POS	
01/17/2017	T	FLOW		373	POS	
01/17/2017	B	FLOW		337	POS	

INTERPRETATION: The T and B cell flow cytometric Allo-Crossmatch is Positive (T-cell MCS = 274 & 373) and (B-cell MCS = 252 & 337) with current sample 09/11/17 and historic sample 01/17/17. There is DSA against A1 (16,552 MFI), A11 (15,082 MFI), Cw4 (7,318 MFI), DQ2 (3,151 MFI) and DQ8 (19,351 MFI) detected on 01/17/17. The detection of DSA and positive flow cytometric allo-crossmatch place this recipient/donor combination in a higher risk group for early rejection and graft loss.

Flow cytometric crossmatching performed using 3-color analysis.

Comments:

- * A T-cell channel shift > +50 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- ** A B-cell channel shift > +70 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- *** A EPC IgG channel shift > +60 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- **** A EPC IgM channel shift > +130 channels is 3 standard deviations above the median of the fluorescence of the negative controls.

Source of donor material:

Peripheral blood

Electronically signed by
Omar Moussa, M.Sc., Ph.D., D(ABHI)
Omar Moussa, M.Sc., Ph.D., D(ABHI)
Director, Histocompatibility Laboratory

09/22/2017
Date

These tests were developed and its performance characteristics determined by the University of Michigan Histocompatibility Laboratory. These tests have not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. These tests are used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.

ASHI # 03-2-MI-02-1 CLIA # 23D1088638
Report Date: 09/22/2017

Page 1 of 1

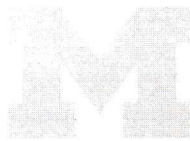
HISTOCOMPATABILITY RESULT (SENDOUT) [LAB7A]

Order #314622236

HISTOCOMPATABILITY RESULT (SENDOUT) [314622236]

Printed on 11/2/17 7:25 AM

Page 138



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/18/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

HISTOCOMPATABILITY RESULT (SENDOUT) [314622236] (continued)

Electronically signed by: **Um_Edi, Onbase Pointers In on 09/22/17 1434** Status: **Completed**
Ordering user: Um_Edi, Onbase Pointers In Authorized by: Physician Not Identified, Scanning Only
Ordering mode: Standard
Frequency: -

Results

**HISTOCOMPATABILITY RESULT
(SENDOUT) [LAB7A] (Order# 314622236)**

HISTOCOMPATABILITY RESULT (SENDOUT) [314622236]

Resulted: 09/22/17 1434, Result status: Final result

Order-Level Documents:

Scan on 9/22/2017 2:34 PM by Physician Not Identified, Scanning Only : Pathology Flow Crossmatch (below)



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/18/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Order-Level Documents: (continued)



Department of Pathology
University of Michigan Health System
Traversewood II, 2910 Huron Parkway
Ann Arbor, MI 48105
Lab: (734)647-2774, Fax: (734)936-7583
Omar Moussa, M.Sc., Ph.D., D(ABHI), Director

Name: BALLOUT, LEILA
MRN: 030951153
DOB: 11/08/1979
Physician: SHAHINIAN, VAHAKN
Hospital: 0000
Patient ID: 119672

Histocompatibility Lab Flow Crossmatch Report

Crossmatch

Donor Name: BALLOUT, LEILA ID: 030951153 Crossmatch Date: 09/12/2017
Relationship: Patient

FLOW AUTO CROSSMATCH

Serum Date	Cell	Method	Treatment	Channel Shift	Result	Comments
09/11/2017	T	FLOW		25	NEG	
09/11/2017	B	FLOW		38	NEG	
01/17/2017	T	FLOW		25	NEG	
01/17/2017	B	FLOW		40	NEG	

INTERPRETATION: The T and B cell flow cytometric Auto-Crossmatch is negative.

Flow cytometric crossmatching performed using 3-color analysis.

Comments:

- * A T-cell channel shift > +50 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- ** A B-cell channel shift > +70 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- *** A EPC IgG channel shift > +60 channels is 2 standard deviations above the median of the fluorescence of the negative controls.
- **** A EPC IgM channel shift > +130 channels is 3 standard deviations above the median of the fluorescence of the negative controls.

Source of donor material:

Peripheral blood

Electronically signed by
Omar Moussa, M.Sc., Ph.D., D(ABHI)
Director, Histocompatibility Laboratory

09/22/2017
Date

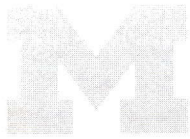
These tests were developed and its performance characteristics determined by the University of Michigan Histocompatibility Laboratory. These tests have not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. These tests are used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing.
ASHI # 03-2-MI-02-1 CLIA # 23D1088638

Report Date: 09/22/2017

Page 1 of 1

Urinalysis, Point of Care (CLINITEK PILOT
LOCATIONS ONLY) [POC352]

Order #314622237



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/18/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Urinalysis, Point of Care (CLINITEK PILOT LOCATIONS ONLY) [314622237]

Electronically signed by: **Lab, Int on 09/25/17 1052** Status: **Completed**
 Ordering user: Lab, Int Authorized by: Phys, Not On File
 Ordering mode: Standard
 Frequency: 09/25/17 1052 -
 Diagnoses
 Polycystic kidney, autosomal dominant [Q61.2]

Results

**POC URINE SCREEN, CLINITEK [POC352]
(Order# 314622237)**

Urinalysis, Point of Care (CLINITEK PILOT LOCATIONS ONLY)
[314622237] (Abnormal)

Resulted: 09/25/17 1053, Result status: Final result

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	09/25/17 1052

Components

Component	Value	Reference Range	Flag	Lab
Glucose, Urine	Negative	Negative	—	MM PATH
Bilirubin, Urine	Negative	Negative	—	MM PATH
Ketones, Urine	Negative	Negative	—	MM PATH
Specific Gravity, Urine	<=1.005	<1.035	—	MM PATH
Blood, Urine	Trace/hemolysis	Negative	A	MM PATH
pH, Urine	5.5	4.6 - 8.0	—	MM PATH
Protein, Urine	100 mg/dL	<30 mg/dL	A	MM PATH
Urobilinogen, Urine	0.2 E.U./dL	<2 mg/dL mg/dL	—	MM PATH
Nitrite, Urine	Negative	Negative	—	MM PATH
Leukocyte Esterase	Negative	Negative	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

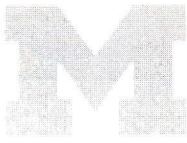
Protein, Urine (Includes Creat Ratio) [LAB439]

Order #316563871

Protein, Urine (Includes Creat Ratio) [286741344]

Status: **Active**

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Communicated by: Beckman, Ruth, RN
 Ordering user: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD
 Ordering mode: Per policy: cosign required



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 9/27/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Protein, Urine (Includes Creat Ratio) [286741344] (continued)

Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Results

**PROTEIN, URINE, RANDOM [LAB439]
(Order# 316563871)**

Resulted: 09/27/17 1436, Result status: Final

Protein, Urine (Includes Creat Ratio) [316563871] (Abnormal)

result

Ordering provider: Heung, Michael, MD 09/27/17 1203 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	09/27/17 1211

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	45.9	mg/dL	—	MM PATH
Creatinine, Urine	49.19	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.93	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Renal Function Panel [LAB19]

Order #317560085

Renal Function Panel [286741342]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required

Results

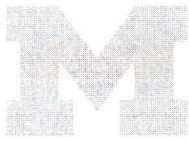
**RENAL FUNCTION PANEL [LAB19]
(Order# 317560085)**

Resulted: 10/05/17 1836, Result status: Final

Renal Function Panel [317560085] (Abnormal)

result

Ordering provider: Heung, Michael, MD 10/05/17 1416 Resulting lab: MICHIGAN MEDICAL DEPT OF



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/5/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	10/05/17 1419

Components

Component	Value	Reference Range	Flag	Lab
Sodium	138	136 - 146 mmol/L	—	MM PATH
Potassium	4.2	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	108	98 - 108 mmol/L	—	MM PATH
CO2	20	22 - 34 mmol/L	L	MM PATH
Urea Nitrogen	60	8 - 20 mg/dL	H	MM PATH
Creatinine	4.43	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	108	73 - 100 mg/dL	H	MM PATH
Calcium	9.1	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	4.0	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.1	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

CBC with Platelet and Differential [LAB293]

Order #317560086

CBC with Platelet and Differential [286741343]

Status: Active

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Beckman, Ruth, RN
 Authorized by: Heung, Michael, MD
 Ordered during: Telephone on 03/14/2017
 Frequency: 03/14/17 -
 Diagnoses
 PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
 Ordering provider: Heung, Michael, MD
 Ordering mode: Per policy: cosign required

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 317560086)

Resulted: 10/05/17 1425, Result status: Final result

CBC with Platelet and Differential [317560086] (Abnormal)

Ordering provider: Heung, Michael, MD 10/05/17 1416
 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/5/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Specimen Information

Type	Source	Collected On
Blood.	—	10/05/17 1419

Components

Component	Value	Reference Range	Flag	Lab
WBC	2.6	4.0 - 10.0 K/uL	L	1206
HGB	8.9	12.0 - 16.0 g/dL	L	1206
HCT	26.7	36.0 - 48.0 %	L	1206
PLT	152	150 - 400 K/uL	—	1206
RBC	3.02	3.90 - 5.00 M/uL	L	1206
MCV	88.4	79.0 - 99.0 fl	—	1206
MCH	29.5	27.0 - 32.0 pg	—	1206
MCHC	33.3	32.0 - 35.0 g/dL	—	1206
RDW	13.3	11.5 - 15.0 %	—	1206
MPV	9.8	9.0 - 12.2 fl	—	1206
Imm Granulocyte %	0.0	0.0 - 1.0 %	—	1206
Neutrophil %	54.2	36.0 - 71.0 %	—	1206
Lymphocyte %	30.8	20.0 - 50.0 %	—	1206
Monocyte %	10.0	6.0 - 13.0 %	—	1206
Eosinophil %	4.2	0.0 - 6.0 %	—	1206
Basophil %	0.8	0.0 - 1.0 %	—	1206
Absolute Neutrophil Count	1.4	1.5 - 7.2 K/uL	L	1206
Absolute Lymphocyte Count	0.8	1.2 - 4.0 K/uL	L	1206
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	1206
Absolute Eosinophil Count	0.1	0.0 - 0.5 K/uL	—	1206
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	1206
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	1206

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present
1206 - Unknown	CANTON HEALTH CENTER	Unknown	1051 Canton Center Road North Canton MI 48187	09/29/15 2033 - Present

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #317560087

Protein, Urine (Includes Creat Ratio) [286741344]

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN

Status: **Active**

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD

2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/5/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Ordering provider: Heung, Michael, MD 10/05/17 1416 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	10/05/17 1419

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.007	1.005 - 1.034	—	MM PATH
pH, Urine	5.5	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	25	Negative U/L	A	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	30	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urine Microscopic Analysis, UMIC (Lab Performed)
[LAB3504]

Order #317560089

Urine Microscopic Analysis, UMIC (Lab Performed) [317560089]

Electronically signed by: Lab, Int on 10/05/17 1416

Status: **Completed**

Ordering user: Lab, Int

Authorized by: Heung, Michael, MD

Ordering mode: Standard

Frequency: 10/05/17 1416 -

Results

URINE MICROSCOPIC [LAB3504] (Order# 317560089)

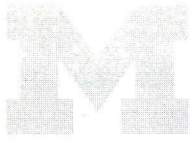
Urine Microscopic Analysis, UMIC (Lab Performed) [317560089]
(Abnormal)

Resulted: 10/05/17 1803, Result status: Final result

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	10/05/17 1419



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Orders/Results

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Encounter date: 10/5/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

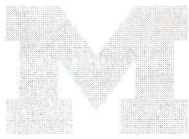
Immunizations (continued)

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Moderate	0 - Few /lpf	A	MM PATH
RBC/Hpf	0-2	0 - 3 /hpf	—	MM PATH
WBC/HPF	3-5	0 - 3 /hpf	A	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Bacteria	Few	None - Few /hpf	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/5/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Estimated Glomerular Filtration Rate [LAB3487]

Order #317560090

Estimated Glomerular Filtration Rate [317560090]

Electronically signed by: **Lab, Int on 10/05/17 1416**
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 10/05/17 1416 -

Status: **Completed**

Authorized by: Heung, Michael, MD

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 317560090)

Resulted: 10/05/17 1837, Result status: Final result

Estimated Glomerular Filtration Rate [317560090] (Abnormal)

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	10/05/17 1419

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	13	>59 mL/min	L	MM PATH
EGFR, Non-Black	11	>59 mL/min	L	MM PATH

Comment:

eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Renal Function Panel [LAB19]

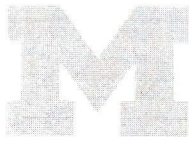
Order #317560093

Renal Function Panel [286741342]

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017

Status: **Active**

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Renal Function Panel [286741342] (continued)

Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Results

**RENAL FUNCTION PANEL [LAB19]
(Order# 317560093)**

Resulted: 10/16/17 1808, Result status: Final result

Renal Function Panel [317560093] (Abnormal)

Ordering provider: Heung, Michael, MD 10/16/17 1325 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Blood.	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
Sodium	138	136 - 146 mmol/L	—	MM PATH
Potassium	4.6	3.5 - 5.0 mmol/L	—	MM PATH
Chloride	106	98 - 108 mmol/L	—	MM PATH
CO2	21	22 - 34 mmol/L	L	MM PATH
Urea Nitrogen	84	8 - 20 mg/dL	H	MM PATH
Creatinine	5.31	0.50 - 1.00 mg/dL	H	MM PATH
Glucose	79	73 - 100 mg/dL	—	MM PATH
Calcium	9.6	8.6 - 10.3 mg/dL	—	MM PATH
Phosphorus	3.8	2.7 - 4.6 mg/dL	—	MM PATH
Albumin	4.3	3.5 - 4.9 g/dL	—	MM PATH

Testing Performed By

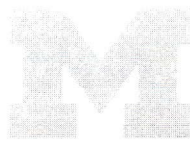
Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

CBC with Platelet and Differential [LAB293]

Order #317560094

CBC with Platelet and Differential [286741343]

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603** Status: **Active**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Beckman, Ruth, RN
 Ordering user: Beckman, Ruth, RN Ordering provider: Heung, Michael, MD
 Authorized by: Heung, Michael, MD Ordering mode: Per policy: cosign required
 Ordered during: Telephone on 03/14/2017



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

CBC with Platelet and Differential [286741343] (continued)

Frequency: 03/14/17 -

Diagnoses

PKD (polycystic kidney disease) [Q61.3]

Results

CBC AND DIFFERENTIAL [LAB293]
(Order# 317560094)

Resulted: 10/16/17 1756, Result status: Final

CBC with Platelet and Differential [317560094] (Abnormal)

result

Ordering provider: Heung, Michael, MD 10/16/17 1325

Resulting lab: MICHIGAN MEDICAL DEPT OF
PATHOLOGY

Specimen Information

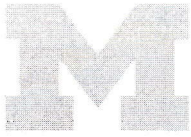
Type	Source	Collected On
Blood.	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
WBC	4.0	4.0 - 10.0 K/uL	—	MM PATH
HGB	9.2	12.0 - 16.0 g/dL	L	MM PATH
HCT	27.4	36.0 - 48.0 %	L	MM PATH
PLT	162	150 - 400 K/uL	—	MM PATH
RBC	3.07	3.90 - 5.00 M/uL	L	MM PATH
MCV	89.3	79.0 - 99.0 fl	—	MM PATH
MCH	30.0	27.0 - 32.0 pg	—	MM PATH
MCHC	33.6	32.0 - 35.0 g/dL	—	MM PATH
RDW	13.4	11.5 - 15.0 %	—	MM PATH
MPV	11.4	9.0 - 12.2 fl	—	MM PATH
Imm Granulocyte %	0.0	0.0 - 1.0 %	—	MM PATH
Neutrophil %	55.2	36.0 - 71.0 %	—	MM PATH
Lymphocyte %	29.4	20.0 - 50.0 %	—	MM PATH
Monocyte %	8.1	6.0 - 13.0 %	—	MM PATH
Eosinophil %	6.8	0.0 - 6.0 %	H	MM PATH
Basophil %	0.5	0.0 - 1.0 %	—	MM PATH
Absolute Neutrophil Count	2.2	1.5 - 7.2 K/uL	—	MM PATH
Absolute Lymphocyte Count	1.2	1.2 - 4.0 K/uL	—	MM PATH
Absolute Monocyte Count	0.3	0.1 - 1.1 K/uL	—	MM PATH
Absolute Eosinophil Count	0.3	0.0 - 0.5 K/uL	—	MM PATH
Absolute Basophil Count	0.0	0.0 - 0.2 K/uL	—	MM PATH
Absolute Early Granulocyte Count	0.0	0.0 - 0.1 K/uL	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Protein, Urine (Includes Creat Ratio) [LAB439]

Order #318990384

Protein, Urine (Includes Creat Ratio) [286741344]

Status: **Active**

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -
Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required

Results

PROTEIN, URINE, RANDOM [LAB439]
(Order# 318990384)

Resulted: 10/16/17 1812, Result status: Final result

Protein, Urine (Includes Creat Ratio) [318990384] (Abnormal)

Ordering provider: Heung, Michael, MD 10/16/17 1325
Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
Protein, Urine Random	58.9	mg/dL	—	MM PATH
Creatinine, Urine	64.52	mg/dL	—	MM PATH
Protein/Creat Urine Ratio	0.91	0.01 - 0.18	H	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urinalysis [LAB348]

Order #318990385

Urinalysis [286741345]

Status: **Active**

Electronically signed by: **Heung, Michael, MD on 03/14/17 1603**
Mode: Ordering in Per policy: cosign required mode
Ordering user: Beckman, Ruth, RN
Authorized by: Heung, Michael, MD
Ordered during: Telephone on 03/14/2017
Frequency: 03/14/17 -

Communicated by: Beckman, Ruth, RN
Ordering provider: Heung, Michael, MD
Ordering mode: Per policy: cosign required



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Urinalysis [286741345] (continued)

Diagnoses
PKD (polycystic kidney disease) [Q61.3]

Results

URINALYSIS [LAB348] (Order# 318990385)

Resulted: 10/16/17 1740, Result status: Final result

Urinalysis [318990385] (Abnormal)

Ordering provider: Heung, Michael, MD 10/16/17 1325 Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
Urine	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
Color, Urine	Normal	Normal	—	MM PATH
Appearance, Urine	Normal	Normal	—	MM PATH
Urine Specific Gravity	1.008	1.005 - 1.034	—	MM PATH
pH, Urine	5.5	4.6 - 8.0	—	MM PATH
Leukocyte Esterase, Urine	Negative	Negative U/L	—	MM PATH
Urine Nitrite	Negative	Negative	—	MM PATH
Protein, Urine	30	1 - 30 mg/dL	—	MM PATH
Glucose, Urine	Normal	Negative mg/dL	—	MM PATH
Urine Ketone	Negative	Negative mg/dL	—	MM PATH
Urobilinogen, Urine	Normal	<2 mg/dL	—	MM PATH
Urine Bilirubin	Negative	Negative mg/dL	—	MM PATH
Blood, Urine	10	Negative U/L	A	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Urine Microscopic Analysis, UMIC (Lab Performed) [LAB3504]

Order #318990386

Urine Microscopic Analysis, UMIC (Lab Performed) [318990386]

Status: Completed

Electronically signed by: Lab, Int on 10/16/17 1325

Ordering user: Lab, Int

Authorized by: Heung, Michael, MD

Ordering mode: Standard

Frequency: 10/16/17 1325 -



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Results

URINE MICROSCOPIC [LAB3504] (Order# 318990386)

Resulted: 10/16/17 1747, Result status: Final result

Urine Microscopic Analysis, UMIC (Lab Performed) [318990386]

Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
Squamous Epithelial Cells	Few	0 - Few /lpf	—	MM PATH
Mucus	Occasional	Occ-Slight /lpf	—	MM PATH
RBC/Hpf	0-2	0 - 3 /hpf	—	MM PATH
WBC/HPF	0-2	0 - 3 /hpf	—	MM PATH
Casts	None seen	N/A /lpf	—	MM PATH
Bacteria	Occasional	None - Few /hpf	—	MM PATH

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

Estimated Glomerular Filtration Rate [LAB3487]

Order #318990387

Estimated Glomerular Filtration Rate [318990387]

Electronically signed by: Lab, Int on 10/16/17 1325
Ordering user: Lab, Int
Ordering mode: Standard
Frequency: 10/16/17 1325 -

Authorized by: Heung, Michael, MD

Status: Completed

Results

ESTIMATED GLOMERULAR FILTRATION RATE [LAB3487] (Order# 318990387)

Resulted: 10/16/17 1808, Result status: Final result

Estimated Glomerular Filtration Rate [318990387] (Abnormal)

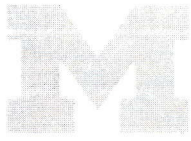
Resulting lab: MICHIGAN MEDICAL DEPT OF PATHOLOGY

Specimen Information

Type	Source	Collected On
—	—	10/16/17 1331

Components

Component	Value	Reference Range	Flag	Lab
EGFR, Black	11	>59 mL/min	L	MM PATH
EGFR, Non-Black	9	>59 mL/min	L	MM PATH
Comment:				



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 10/16/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

eGFR values are unreliable when kidney function is unstable. The MDRD formula was developed in patients with reduced kidney function and is most accurate when the eGFR is <60 mL/min. The formula may underestimate GFR in patients with normal renal function. The formula should not be used to predict eGFR in unstable patients, those without reduced kidney function or in children. A GFR estimate between 15 and 59 for >= 3 months is classified as Chronic Kidney Disease (Stage 3 or 4).

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
42 - MM PATH	MICHIGAN MEDICAL DEPT OF PATHOLOGY	Unknown	1500 E. Medical Center Drive Ann Arbor MI 48109	02/02/17 1635 - Present

XR Chest PA and Lateral [RAD4072]

Order #286214971

XR Chest PA and Lateral [286214970]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
 Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
 Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
 Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
 Frequency: PRN 01/17/17 0944 - 1 Occurrences
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Questionnaire

Question	Answer
Reason for exam:	Pre-kidney transplant evaluation

Results

XR Chest PA and Lateral [RAD4072]
(Order# 286214971)

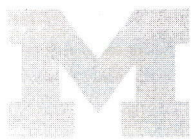
Resulted: 01/17/17 1235, Result status: Final result

XR Chest PA and Lateral [286214971]

Ordering provider: Shahinian, Vahakn Bedig, MD Resulted by: Stojanovska, Jadranka, MD
 01/17/17 0944
 Performed: 01/17/17 0947 - 01/17/17 1000 Resulting lab: POWERSCRIBE
 Narrative:
 PROCEDURE: CHEST, TWO VIEWS (PA and Lateral), 1/17/2017

CLINICAL INDICATION:
Pre-kidney transplant evaluation

COMPARISON: None.



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Adm: 1/17/2017, D/C: 1/17/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

Impression:
IMPRESSION:

1. Normal.

Specimen Information

Type	Source	Collected On
—	—	01/17/17 0944

View Image (below)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
26 - PSCRIBE	POWERSCRIBE	Unknown	Unknown	01/26/16 1845 - Present

CT Outside Img Archive VPN or LifelImage [RAD230]

Order #300093170

CT Outside Img Archive VPN or LifelImage [300093169]

Status: **Completed**

Electronically signed by: **Sung, Randall Sukhyun, MD on 05/25/17 1827**
 Mode: Ordering in Per policy: cosign required mode
 Ordering user: Wright, Jody, MA
 Authorized by: Sung, Randall Sukhyun, MD
 Ordered during: Orders Only on 05/25/2017
 Frequency: 05/25/17 -
 Diagnoses
 Pre-transplant evaluation for kidney transplant [Z01.818]

Communicated by: Wright, Jody, MA
 Ordering provider: Sung, Randall Sukhyun, MD
 Ordering mode: Per policy: cosign required

Questionnaire

Question	Answer
Body part/exam desired	Abdomen Pelvis
Date of abdomen exam	2/2/2017
Date of pelvis exam	2/2/2017
Image Source	LifelImage

Results

CT OUTSIDE IMG ARCHIVE VPN OR LIFEIMAGE [RAD230] (Order# 300093170)

Resulted: 05/26/17 0913, Result status: Final result

CT Outside Img Archive VPN or LifelImage [300093170]

Ordering provider: Sung, Randall Sukhyun, MD
05/26/17 0858

Performed: 05/26/17 0902 - 05/26/17 0913

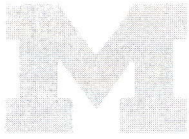
Resulting lab: UMHS LABORATORIES

Narrative:

Archive Only - No Radiology Dictation

Specimen Information

Type	Source	Collected On
—	—	02/02/17 0901



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 5/26/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

View Image (below)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
9 - LAB-UH	UMHS LABORATORIES	Unknown	Ann Arbor MI 48109	01/27/12 2024 - Present

MR Kidney [RAD2745]

Order #317560092

MR Kidney [317560091]

Electronically signed by: **Ambani, Sapan Nitin, MD on 09/25/17 1137** Status: **Completed**

Ordering user: Ambani, Sapan Nitin, MD

Ordering provider: Ambani, Sapan Nitin, MD

Authorized by: Ambani, Sapan Nitin, MD

Ordering mode: Standard

Frequency: PRN 10/10/17 1126 - 1 Occurrences

Diagnoses

Polycystic kidney, autosomal dominant [Q61.2]

Questionnaire

Question	Answer
IV contrast options:	Per Protocol (IV contrast as appropriate for exam and indications)
Perform 3D when medically necessary:	Yes

Screening Form

General Information

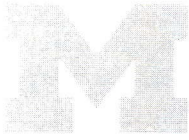
Patient Name: Ballout, Leila
Date of Birth: 11/8/1979
Sex: Female

MRN: 030951153
Home Phone: **469-343-3857**
Other Phone: 469-343-3857

Procedure	Ordering Provider	Authorizing Provider	Appointment Information
MR KIDNEY	Ambani, Sapan Nitin, MD 734-936-7030	Ambani, Sapan Nitin, MD 734-936-7030	10/10/2017 1:45 PM EAA RAD MRI SCANNER 02 EAA RAD MRI

Screening Form Questions

Question	Answer	Comment
Have you had an MRI outside of UMHS?	YES	
Have you had any problems related to a previous MRI exam?	NO	
If yes, please describe:		
Can you stand without assistance (help)?	YES	
Can you lie still on your back for 1 hour?	YES	
Are you afraid or anxious about being in small places (claustrophobic)?	YES	
Is the patient physically/mentally impaired	NO	



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Adm: 10/10/2017, D/C: 10/10/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

MR Kidney [317560091] (continued)

or unresponsive?	
Have you ever had an allergic reaction to MRI contrast (gadolinium)?	NO
Do you have uncontrollable shaking or breathing problems?	NO
Is the patient on oxygen/ventilator?	NO
Do you have Sickle Cell Anemia or Sickle Cell Trait?	NO
Have you ever been told you have poor kidney function?	YES
Have you ever had kidney failure, kidney or bladder surgery or a kidney transplant?	YES
Are you currently on dialysis?	NO
Have you had a recent study with an endoscopy capsule?	NO
Have you had any previous surgeries?	YES
If yes, have you had any surgeries within the last 8 weeks?	
If yes, what kind and date?	c sections knee appwndix tumor excisions
Have you had ear surgery?	YES
Have you ever gone to a clinic/hospital for removal of metal from your eye?	NO
Do you have a history of cancer?	NO
Do you have an ear implant?	NO
If yes, what type?	
If yes, what kind?	
What is the Make, Model and Date of the implant?	
Have you ever had open heart surgery or any type of permanent cardiac device/hardware placed into your heart or arteries of your heart?	NO
If yes, when and where (what hospital)?	
If yes, what type?	
If yes what type?	
If Stent placement, what type?	
If other, please specify	
If you have a heart device, what is the Make, Model, and Date?	
Have you ever had a stimulator implanted in your body?	NO
If yes, what type?	
What is the name of the device?	
Have you ever had brain surgery?	NO



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Adm: 10/10/2017, D/C: 10/10/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

MR Kidney [317560091] (continued)

If yes, when and where (what hospital)? _____
 Mark if you have the following: _____
 Mark if you have any of the following items
 inside or on your body: _____
 If yes, where? _____
 Mark if you have any of the following items
 inside or on your body: _____
 If yes, where? _____
 Mark if you have any of the following items TATTOO/PERM
 inside or on your body: MAKE-UP _____
 If yes, where? _____
 Mark if you have any of the following items
 inside or on your body: _____
 Mark if you have any of the following items
 inside or on your body: _____
 Mark if you have any of the following items
 inside or on your body: _____
 If yes, what is the make, model, and date? _____
 Mark if you have any of the following items
 inside or on your body: _____
 If yes, what is the Make, Model and Date? _____
 Mark if you have any of the following items
 inside or on your body: _____
 If other, please specify _____
 If yes, what is the Make, Model, and Date? _____

LMP/OB Status

OB Status
Pregnant

Proceed with Exam

Proceed?	User	Time
Proceed	Trumbull, Stacey	10/10/2017 01:35 PM EDT

no prev mr qc by ac please read dr. notes about pregnancy
 sched ok sm
 **if patient is not pregnant check with nurse to see if chart can be updated per VS

Results

MR Kidney [RAD2745] (Order# 317560092)

Resulted: 10/10/17 1610, Result status: Final
result

MR Kidney [317560092]

Ordering provider: Ambani, Sapan Nitin, MD 10/10/17
1126

Performed: 10/10/17 1342 - 10/10/17 1458
Narrative:

Resulted by:
Miller, David Michael, MD
Weadock, William Jay, MD
Resulting lab: POWERSCRIBE



2901 Hubbard St., RM 2722
 Ann Arbor MI 48109
 Orders/Results

Ballout, Leila
 MRN: 030951153
 DOB: 11/8/1979, Sex: F
 Adm: 10/10/2017, D/C: 10/10/2017

MICHIGAN MEDICINE
 UNIVERSITY OF MICHIGAN

Immunizations (continued)

MRI abdomen with and without contrast dated 10/10/2017

History: Autosomal dominant polycystic kidney disease. Evaluate for left renal mass.

Comparison: Outside CT abdomen and pelvis dated 2/2/2017

Procedure: MRI abdomen with and without contrast. Renal mass protocol. 20 mL MultiHance injected IV. No immediate complication. 1.5 Tesla magnet.

Findings:

The kidneys are markedly enlarged with innumerable Bosniak 1 and 2 cysts throughout. No solid renal masses.

There are numerous simple hepatic cysts throughout both lobes of the liver. No solid liver lesions.

The gallbladder is unremarkable. There is no biliary ductal dilatation. The spleen, adrenal glands, and pancreas are unremarkable.

There are no enlarged lymph nodes. No ascites.

The hepatic, portal, superior mesenteric, and splenic veins are patent. The celiac trunk and SMA are patent. The aorta is normal in caliber.

No aggressive osseous lesions. Small umbilical hernia.

Impression:
IMPRESSION:

1. Findings in keeping with autosomal dominant polycystic kidney disease including enlarged kidneys with innumerable cysts and multiple hepatic cysts. No solid renal masses.

Specimen Information

Type	Source	Collected On
—	—	10/10/17 1343

View Image (below)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
26 - PSCRIBE	POWERSCRIBE	Unknown	Unknown	01/26/16 1845 - Present

EKG 12 Lead Adult [CAR13A]

Order #286214975



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Adm: 10/10/2017, D/C: 10/10/2017

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

EKG 12 Lead Adult [285933062]

Electronically signed by: **Shahinian, Vahakn Bedig, MD on 01/25/17 1227** Status: **Completed**
Mode: Ordering in Per policy: cosign required mode Communicated by: Wright, Jody, MA
Ordering user: Wright, Jody, MA Ordering provider: Shahinian, Vahakn Bedig, MD
Authorized by: Shahinian, Vahakn Bedig, MD Ordering mode: Per policy: cosign required
Ordered during: Orders Only on 01/14/2017
Frequency: 01/14/17 -
Diagnoses
Pre-transplant evaluation for kidney transplant [Z01.818]

Questionnaire

Question	Answer
Performing ancillary department?	Adult

Results

EKG 12-LEAD [CAR13A] (Order# 286214975)

Resulted: 01/18/17 1015, Result status: Edited
Result - FINAL

EKG 12 Lead Adult [286214975]

Ordering provider: Shahinian, Vahakn Bedig, MD
01/17/17 1209
Resulted by:
Phys, Unable To Identify
Morady, Fred, MD

Resulting lab: UNIVERSITY OF MICHIGAN HEALTH SYSTEM

Narrative:

Test Reason : 65627

Blood Pressure : **/** mmHG

Vent. Rate : 063 BPM Atrial Rate : 063 BPM

P-R Int : 144 ms QRS Dur : 098 ms

QT Int : 444 ms P-R-T Axes : 055 043 080 degrees

QTc Int : 454 ms

Normal sinus rhythm

Normal ECG

Referred By: MICHAEL HEUNG Confirmed By: Fred Morady MD

Specimen Information

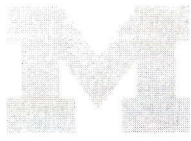
Type	Source	Collected On
—	—	01/17/17 1313

View Image (below)

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
19 - MM	UNIVERSITY OF MICHIGAN HEALTH SYSTEM	Unknown	Unknown	05/26/11 1559 - 02/02/17 1856

EKG (Electrocardiogram) - Scan on 1/19/2017 11:30 PM (below)



2901 Hubbard St., RM 2722
Ann Arbor MI 48109
Orders/Results

Ballout, Leila
MRN: 030951153
DOB: 11/8/1979, Sex: F
Encounter date: 1/17/2017

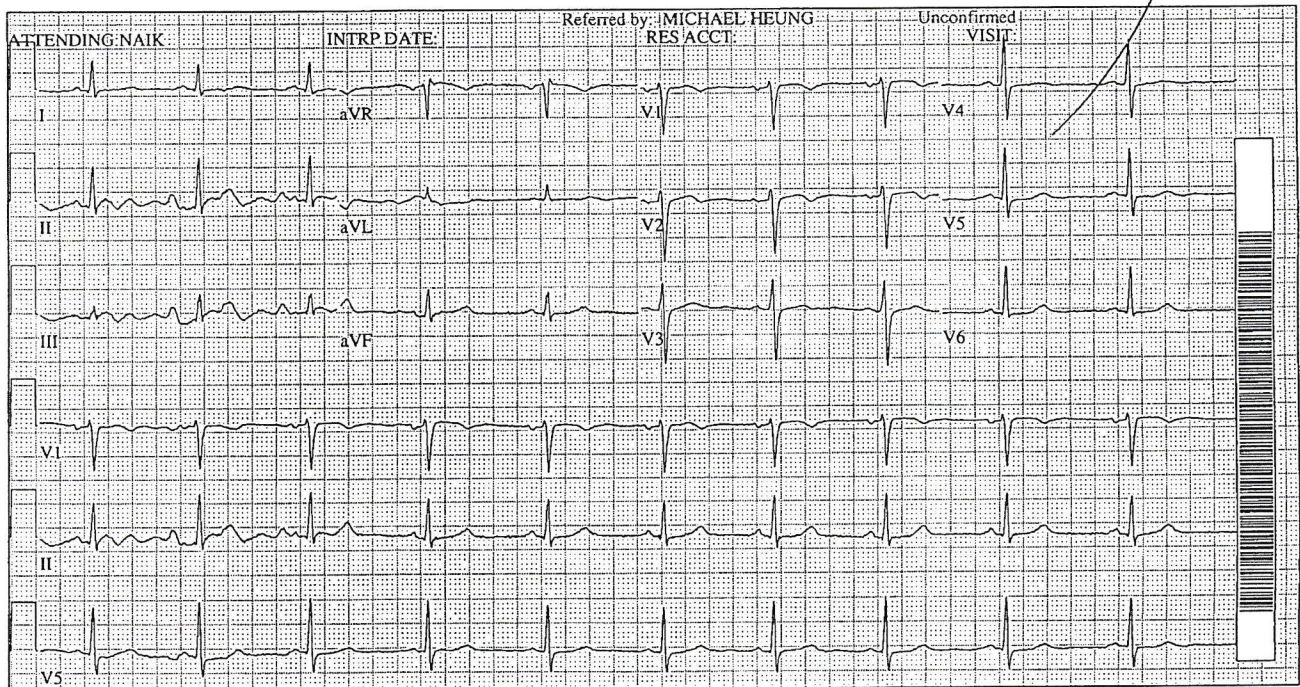
MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Immunizations (continued)

BALLOUT, LEILA ID:030951153 17-JAN-2017 13:13:19 University of Michigan-TRA ROUTINE RECORD
08-NOV-1979 (37 yr) Vent. rate 63 BPM Normal sinus rhythm
Female Unknown PR interval 144 ms Normal ECG
Room: QRS duration 98 ms
Loc:203 QT/QTc 444/454 ms
P-R-T axes 55 43 80

Technician: PLAMONDON
Test ind:65627

JAN 18 2017



25mm/s 10mm/mV 150Hz 8.0 SP2 12SL 241 HDCID: 62

EID: EDT: ORDER: 286214975 ACCOUNT: 217843726

Page 1 of 1

EKG (Electrocardiogram) - Scan on 1/20/2017 5:26 PM (below)

