



**Seattle Children's**

HOSPITAL • RESEARCH • FOUNDATION

4300 Roosevelt Way NE

Mail Stop RC-504

PO Box 5371

Seattle WA 98145-5005

ACCOUNT INFORMATION	
Patient Name	XIE, JIANHUA DRACO
Visit Number	2173794
Med Rec No.	1275567
Date(s)	08/27/2013 - 08/27/2013

Liyong Chen  
 21743 105th PI NE  
 REDMOND, WA 98053

9/24/2015

This is a detailed list of services for XIE, JIANHUA DRACO as of 9/24/2015 for visit number 2173794. All charges include sales tax when applicable. Service descriptions may be abbreviated due to limited space which may not provide sufficient information to accurately identify the service provided. We welcome families and payers to call with questions. Seattle Children's has an audit policy which prohibits pre-payment audits based on itemizations alone.

*This is confidential and privileged information protected by law. If you are not the intended recipient of this information, please contact the sender and destroy this document.*

**Hospital Charges**

Type	Service Date	Category	Description	Quantity	Amount
Tech	08/27/2013	CLINIC FACILITY CHARGE	CLINIC FACILITY MED/SURG	1	\$255.00
Tech	08/27/2013	LAB	MOLECULAR PATH LEVEL 1	1	\$1,137.50
Tech	08/27/2013	LAB	MOLECULAR PATH LEVEL 2	1	\$1,137.50
Tech	08/27/2013	LAB	MOLECULAR PATH LEVEL 3	1	\$1,137.50
Tech	08/27/2013	LAB	MOLECULAR PATH LEVEL 8	1	\$1,137.50
Tech	08/27/2013	PATHOLOGY/LAB	MOLECULAR PATH LEVEL 4	1	\$1,137.50
Tech	08/27/2013	PATHOLOGY/LAB	MOLECULAR PATH LEVEL 5	1	\$1,137.50
Tech	08/27/2013	PATHOLOGY/LAB	MOLECULAR PATH LEVEL 6	1	\$1,137.50
Tech	08/27/2013	PATHOLOGY/LAB	MOLECULAR PATH LEVEL 7	1	\$1,137.50
<b>Total hospital charges:</b>					<b>\$9,355.00</b>

**Hospital Payments and Adjustments**

Description	Amount
PREMERA LATE CHARGE W/O - 09/10/2013	-\$9,100.00
PREMERA INSURANCE PAYMENT - 10/04/2013	-\$211.65
PREMERA INSURANCE WRITE-OFF - 10/04/2013	-\$43.35
<b>Total hospital payments and adjustments:</b>	<b>-\$9,355.00</b>

Total Charges	\$9,355.00
Total Payments	-\$211.65
Total Adjustments	-\$9,143.35
<b>Total Acct Balance</b>	<b>\$0.00</b>

Business Services hours are Monday through Friday, 8:00 a.m. to 4 p.m.  
 Please call 206-987-5770, toll free at 866-987-5770 or Fax to 206-987-6639  
 Financial Counselors 206-987-3333 / Fax 206-985-3264

Claim ID	Date(s) of Service	Member/DOB	Claim Status	Provider	Amount Billed	Patient
<a href="#">833967212900</a>	3/4/2015	JIANHUA D. 9/16/2012	Complete	CHILDRENS HOSPITAL	\$487.28	\$38.71
<a href="#">832637246300</a>	3/4/2015	JIANHUA D. 9/16/2012	Complete	CHILDRENS HOSPITAL	\$517.00	\$427.86
<a href="#">832677594700</a>	3/4/2015	JIANHUA D. 9/16/2012	Complete	CHILDRENS HOSPITAL	\$2,743.15	\$1,455.79
<a href="#">833967276600</a>	3/4/2015	JIANHUA D. 9/16/2012	Complete	CHILDRENS HOSPITAL	\$1,184.37	\$65.17
<a href="#">833967295600</a>	3/4/2015	JIANHUA D. 9/16/2012	Complete	CHILDRENS HOSPITAL	\$623.85	\$27.70
<b><a href="#">834434611800</a></b>	<b>3/4/2015</b>	<b>JIANHUA D. 9/16/2012</b>	<b>Complete</b>	<b>CHILDRENS HOSPITAL MEDICAL CENT</b>	<b>\$6,000.49</b>	<b>\$341.51</b>
<a href="#">832658913400</a>	2/19/2015	JIANHUA D. 9/16/2012	Complete	CINCINNATI CHILDRENS	\$378.35	\$87.75
<b>Total</b>		<b>\$14,378.98</b>			<b>\$11,934.49</b>	<b>\$2,444.49</b>

### Claim Information

Claim ID: 834434611800

Status: Complete

Member: JIANHUA XIE

Provider: CHILDRENS HOSPITAL MEDICAL CENT

**This is the CCHMC MetaboSeq, also a single lab. They hid most mutations to cover SCH's crimes.**

### Description of Service

Service/Product	Date(s) of Service	Amount Billed	Copay	Deductible	Coinsurance	Microsoft	Patient
Lab Test: Genetic Testing	3/4/2015	\$1,568.52	\$0.00	\$0.00	\$4.69	\$42.21	\$4.69
Lab Test: Genetic Testing	3/4/2015	\$3,551.98	\$0.00	\$0.00	\$301.91	\$2,717.27	\$301.91
Lab Test: Blood/Urine	3/4/2015	\$401.10	\$0.00	\$0.00	\$18.74	\$168.71	\$18.74
Lab Test: Blood/Urine	3/4/2015	\$478.89	\$0.00	\$0.00	\$16.17	\$145.53	\$16.17

Claim ID	Date(s) of Service	Member/DOB	Claim Status	Provider	Amount Billed	Your Responsibility
<a href="#">832669143300</a>	2/11/2015	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$2,400.00	\$251.76
<a href="#">832686662300</a>	2/11/2015	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$2,000.00	\$1,500.66
<a href="#">831852643600</a>	12/4/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$360.00	\$3.08
<a href="#">831852659500</a>	12/4/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$195.00	\$0.77
<a href="#">832480704900</a>	12/4/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$195.00	\$195.00
<a href="#">832480720900</a>	12/4/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$360.00	\$360.00
<a href="#">832383497800</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$2,400.00	\$2,400.00
<a href="#">832336925400</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$1,350.00	\$19.25
<a href="#">833041506100</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	CIDEM UNIVERSITY HOSPITALS LABO	\$2,400.00	\$0.00
<a href="#">831705942200</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	UNIVERSITY HOSPITALS MEDICAL GR	\$545.00	\$36.02
<a href="#">831747851900</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	UNIVERSITY HOSPITAL LAB SERVICE	\$130.80	\$0.83
<a href="#">831747867100</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	UNIVERSITY HOSPITAL LAB SERVICE	\$54.57	\$0.80
<a href="#">831747883100</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	UNIVERSITY HOSPITAL LAB SERVICE	\$402.80	\$0.77
<a href="#">831747899000</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	UNIVERSITY HOSPITAL LAB SERVICE	\$8.27	\$0.00
<a href="#">834244750300</a>	12/3/2014	JIANHUA D. 9/16/2012	Complete	CINCINNATI CHILDRENS HOSPITAL M	\$1,216.19	\$0.00
<b>Total</b>					<b>\$14,017.63</b>	<b>\$4,768.94</b>

The highlighted items should be the labs for enzyme activities, total \$10,500.  
offered by **CASE WESTERN RESERVE UNIVERSITY**  
They used x3 reference to hide Patient's diagnosis

4/11/2014

Hello Mr. and Mrs. Chen,

I received your contact information from **Baylor College of Medicine's Medical Genetics Laboratory** and understand you would like more information about an ongoing research study at Baylor College of Medicine and Texas Children's Hospital for children without genetic diagnoses. Your child had a clinical genetic test (whole exome sequencing) performed recently to try and find the gene (part of DNA) that is causing his/her health problems. DNA is the genetic material that is passed down from parent to child that tells our bodies how to grow and develop. The DNA is divided into over 20,000 genes which all have a different function in the body. Currently, we only understand the function of about 4,000 of them. When there is a change or 'mutation' in the DNA, the body cannot 'read' the gene correctly and therefore does not function as it should. Your child's physician thinks your child may have one gene that is not working correctly to cause their health problems. Because your child's physician did not know which of the 20,000 genes it was, he/she ordered whole exome sequencing as a cost-effective to look at all of them. I do not work at the institution which ordered whole exome sequencing on your child; therefore I do not have any information about their diagnosis. I will need to receive this information from you directly or from your doctor (once you sign a health information release).

**BCM will not report all mutations! For ~\$10K test.**

At this time, the testing is considered 'normal' or inconclusive, which means we still have not found the cause of your child's developmental problems. This could be for several reasons: 1. Most likely, your child does have a change in his/her DNA that is causing his/her problems but it is in one of the 16,000 genes for which we do not understand its function. **It is common for clinical testing not to report these changes to families because we do not fully understand their meaning or** 2. Your child does not have a mutation we can see with this test. Whole exome sequencing does not detect all DNA changes associated with human disease.

Most patients who have this test ordered do not get a diagnosis, so you are not alone. To address situation #1 above, Baylor/Texas Children's Hospital has a research project that will take another look at the exome sequencing test results for patients like your child who had Whole Exome Sequencing done but still do not have a genetic diagnosis. This is at no charge to your family and at this time, no one in your family would need to give more blood to participate. However, if there are other similarly affected people in your family, it may be important to obtain a specimen from them. If you would like to participate, I need to go over the attached 9 page consent form with you (this takes about 30 minutes, depending on how many questions you have) and get signatures which would allow the research lab at Baylor to receive data and left over samples from your child's genetic testing for research. If we find the 'answer' or causative gene, we will let you know if you tell us you want this information.

We cannot promise we will be able to get a genetic diagnosis for your child, but this is just another avenue to reach this point. This research is completely optional to your family and once we have talked about limitations and benefits, you can decide.

If this sounds like something you are interested in, let me know and we will go over the consent together. If you do not want to print off all of the paper work below, let me know and I will mail them to your house

- A. Three (3) copies of '10-15-13 WES adult' (27 pages total)
- B. Three (3) copies of 'HPI release...' (3 pages total)
- C. One (1) copy of 'exome data release...'; (one page total)
- D. One (1) copy of Authorization for the Use and Disclosure of Protected Health Information

Let me know if you have questions,  
Samantha Penney, MS, CGC

### Mutation Comparison of two possible diagnoses suggested by BCM whole exome sequencing lab.

CHROM	POS	REF	ALT	GT:AD:DP:GQ:PL:CGIANN_VARNAME:CGIANN_1000GAF:CGIANN_ESP6500AF
<b>ACAD9 mutations * (#3 in BCM focused report. )</b>				
chr3	128612562	A	G	0/1:110,118:228:99:2903,0,2960:-,NM_014049.4(ACAD9) c.346+63A>G:-,0.05:-,NOT_FOUND
chr3	128614075	G	GA	0/1:19,14:33:99:257,0,437:-,NM_014049.4(ACAD9) c.347-78_347-77insA:-,NOT_FOUND:-,NOT_FOUND
chr3	128614133	C	T	0/1:96,67:163:99:1898,0,2755:-,NM_014049.4(ACAD9) c.347-20C>T:-,0.64:-,0.580886
chr3	128614185	A	C	0/1:156,114:270:99:2850,0,3928:-,NM_014049.4(ACAD9) c.379A>C (p.(=)):-,0.52:-,0.450254
chr3	128618283	T	C	0/1:66,59:125:99:1710,0,1782:-,NM_014049.4(ACAD9) c.787T>C (p.(=)):-,0.04:-,0.022374
chr3	128621363	A	G	0/1:63,49:112:99:1224,0,1868:-,NM_014049.4(ACAD9) c.883-33A>G:-,0.04:-,0.023374
<b>chr3</b>	<b>128622934</b>	<b>A</b>	<b>C</b>	<b>0/1:147,142:289:99:4169,0,4138:-,NM_014049.4(ACAD9) c.988A&gt;C (p.K330Q):-,0.01:-,0.000384</b>
chr3	128627021	A	G	0/1:130,102:232:99:2857,0,3615:-,NM_014049.4(ACAD9) c.1279-7A>G:-,0.5:-,0.434107
chr3	128627999	T	C	0/1:70,52:122:99:1289,0,1941:-,NM_014049.4(ACAD9) c.1485+57T>C:-,0.05:-,NOT_FOUND
chr3	128628809	A	G	0/1:40,42:82:99:1090,0,1336:-,NM_014049.4(ACAD9) c.1564-55A>G:-,0.05:-,NOT_FOUND
chr3	128629137	G	C	0/1:26,21:47:99:0 1:128629137_G_C:589,0,826:-,NM_014049.4(ACAD9) c.1692+145G>C:-,0.05:-,NOT_FOUND
<b>TNFRSF13B mutations * (#1 in BCM focused report. )</b>				
chr17	16842912	A	G	1/1:0,65:65:99:2015,195,0:NM_012452.2 c.831T>C (p.(=)),NM_012452.2 c.831T>C (p.(=)):0.56,0.56:0.479006,0.479006
<b>chr17</b>	<b>16842966</b>	<b>C</b>	<b>T</b>	<b>0/1:22,32:54:99:898,0,542:-,NM_012452.2(TNFRSF13B) c.777G&gt;A (p.W259*):-,NOT_FOUND:-,NOT_FOUND</b>
chr17	16842991	G	A	1/1:0,45:45:99:1690,135,0:NM_012452.2(TNFRSF13B) c.752C>T (p.P251L),NM_012452.2 c.752C>T (p.P251L):0.18,0.18:0.117946,0.117946
chr17	16855878	C	T	1/1:0,121:121:99:3861,363,0:NM_012452.2(TNFRSF13B) c.81G>A (p.(=)),NM_012452.2 c.81G>A (p.(=)):0.88,0.88:0.809626,0.809626

of the 11 mutations on ACAD9, both BCM and CCHMC reported only ONE.

*\*The last several values in the last column are allele frequencies. A lower value typically means more likely bad.*