

# *17 year old female with primary amenorrhea*

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**Fellow section of Endocrinology Diabetes and Metabolism**

**09/11/2014**

# *HPI*

- ❖ 17 year old white female no significant PMH
- ❖ c/o Primary amenorrhea
- ❖ Reported visual disturbance (haziness in the lateral visual fields, changes in depth perception)
- ❖ VF → Peripheral visual loss
- ❖ No h/o headache, N/V/D, Wt change, galactorrhea or skin tags

## **PMH:**

- ✓ Primary amenorrhea

## **Family History:**

- ✓ Type 2 DM  
(mother/maternal aunt)
- ✓ no h/o CNS tumors

## **Social history**

- ✓ In school, lives with  
parents

## **Home medications**

- None

# ROS

**Constitutional:** Negative for fevers, chills, night sweats, or heat/cold intolerance.

**HEENT:** Negative for headaches, tinnitus, rhinorrhea, sore throat. + **visual disturbance**

**Respiratory:** Negative for cough, wheezing

**Cardiovascular:** Negative for nausea, vomiting, chest pain, shortness of breath, lightheadedness, palpitations

**Gastrointestinal:** nausea and vomiting present Negative for abdominal pain,, diarrhea, constipation

**Genitourinary:** *no polyuria no hematuria*

**Skin:** Negative for diaphoresis, new rash

**Musculoskeletal:** Negative for myalgia

**Neurological:** Negative for weakness, numbness, tingling

All other systems reviewed and are unremarkable

# *On examination*

**Vitals:** BP 110/68, Pulse 88, no fever, RR 14

**General:** awake alert, comfortable

**HEENT:** normocephalic non traumatic, no pallor, no jaundice. Mild hirsutism

**Neck:** supple, no thyromegaly, no lymphadenopathy

**CVS/Pulm:** good air entry bilateral, no added sounds

**Abd:** soft, non tender, no Organomegaly, audible bowel sounds.

**Skin:** no ulcers, not diaphoretic, no acanthosis nigricans

**Neuro:** alert, no tremor, CN intact, DTR normal, sensation intact

**Psych:** normal mood, and affect

# *General labs on admission*

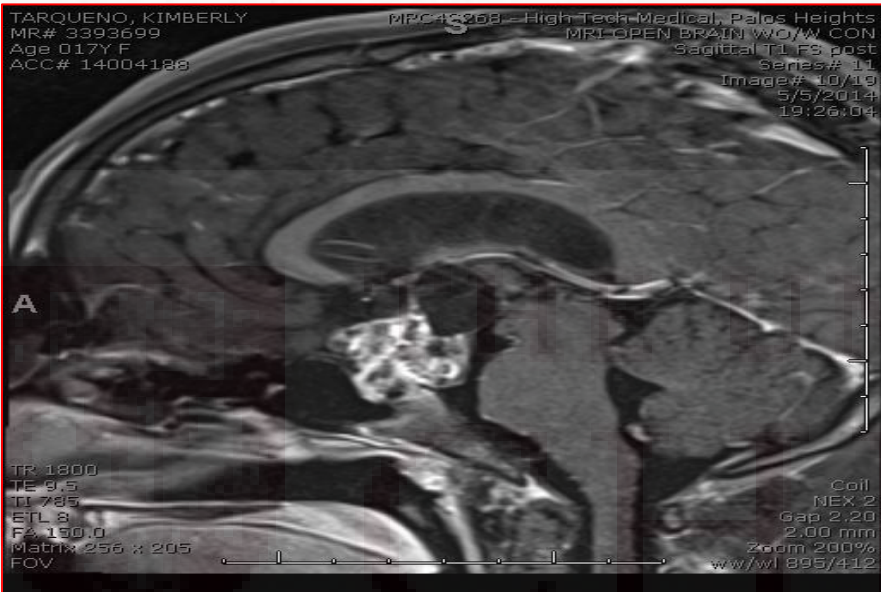
<b>Test/date</b>	<b>5/15/2014</b>
<b>Na/K</b>	144/4.1
<b>Glucose</b>	82
<b>Cr/GFR</b>	0.6/>120
<b>Albumin</b>	4.4
<b>ALP</b>	134
<b>ALT/AST</b>	22/25
<b>Hb</b>	10.9
<b>WBC</b>	8
<b>Plt</b>	278
<b>Ca</b>	9.9

# *Endocrine labs*

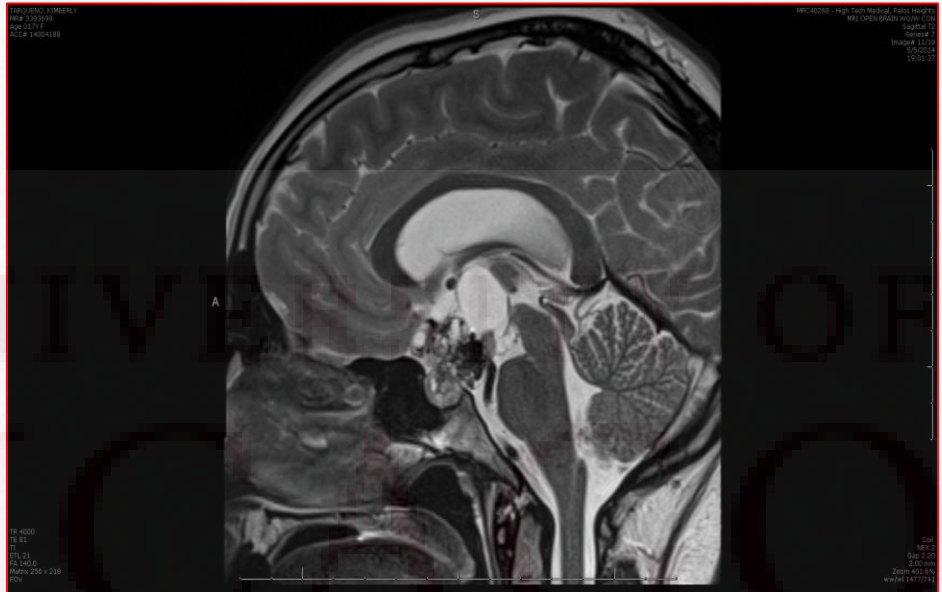
Test/date	On admission
<b>ACTH</b>	32.1
<b>Cortisol (10 am)</b>	11.3
<b>E2</b>	<10
<b>LH (2.0 -84 mIU/ml)</b>	2.1
<b>FSH (3.9 -8.3 mIU/ml)</b>	5.9
<b>Pregnancy test</b>	Negative
<b>PRL</b>	7.55
<b>IGF-1 (20-200 ng/ml)</b>	4.1
<b>TSH</b>	2.02
<b>FT4</b>	1.12

TARQUENO, KIMBERLY  
MR# 3393699  
Age 017Y F  
ACC# 14004188

MPC40268 - High Tech Medical, Palos Heights  
MRI-OPEN BRAIN w/o/w CON  
Sagittal T1 F3 post  
Series# 11  
Image# 10/10  
5/5/2014  
19:26:04

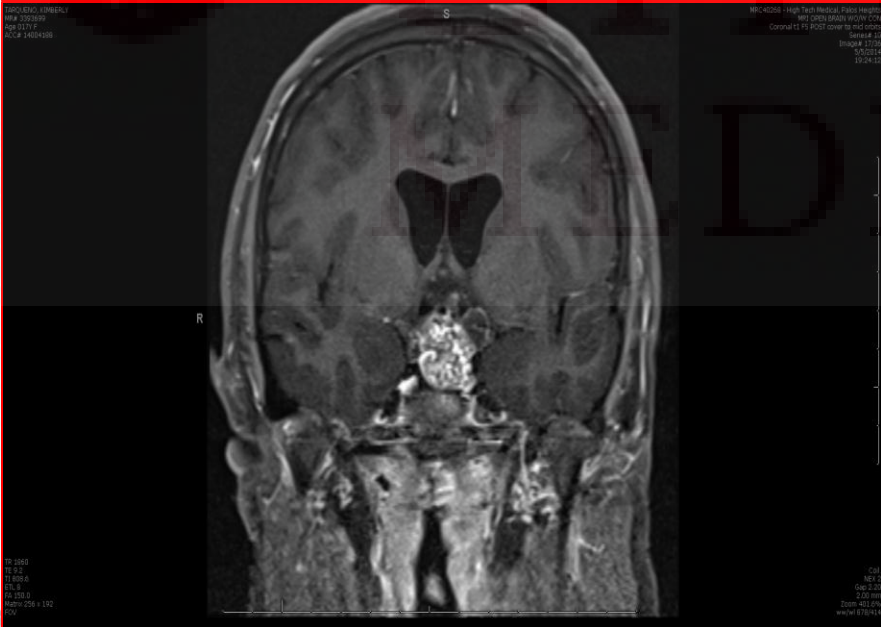


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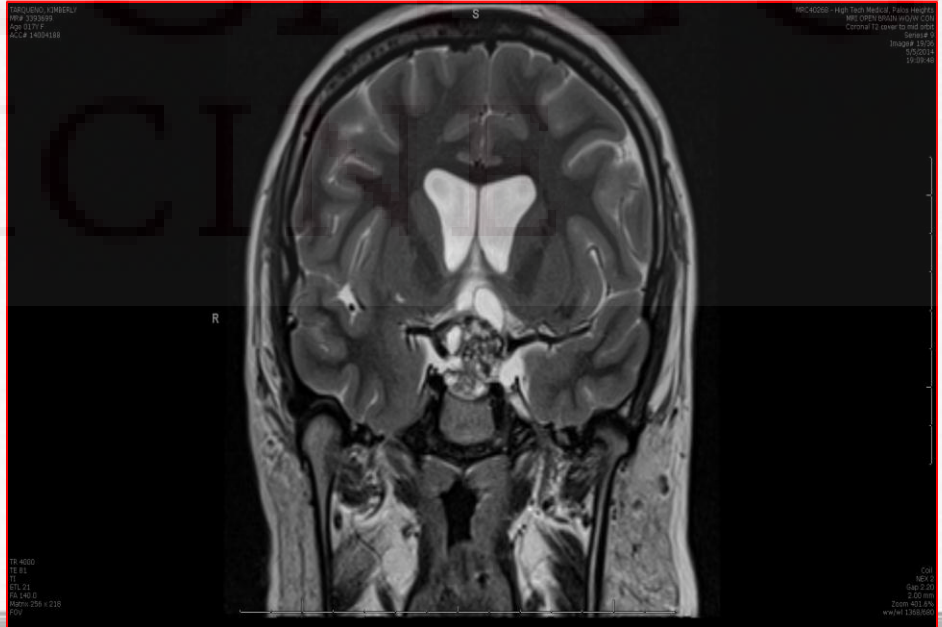


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Age 017Y F  
ACC# 14004188

MPC40268 - High Tech Medical, Palos Heights  
MRI-OPEN BRAIN w/o/w CON  
Coronal T1 F3 post cover to mid obit  
Series# 11  
Image# 17/18  
5/5/2014  
19:26:12



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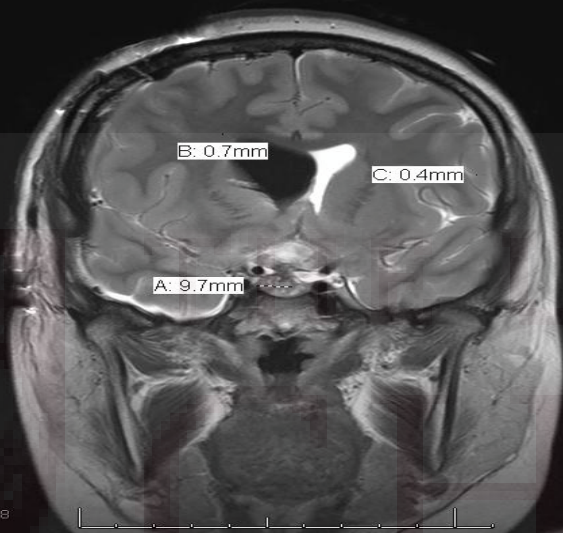
# *Management*

- **Rt Craniotomy (Tumor resection) by Dr. Lesniak**
- **Close monitoring of vital signs and frequent neurological exam.**
- **Pathology → Adamantinomatous craniopharyngiomas (WHO grade I)**

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S

PHILIPS-3A33724 - CCD 3T  
MRI BRAIN WWO  
COR T2 TSE  
Series# 501  
Image# 12/31  
5/16/2014  
15:15:52



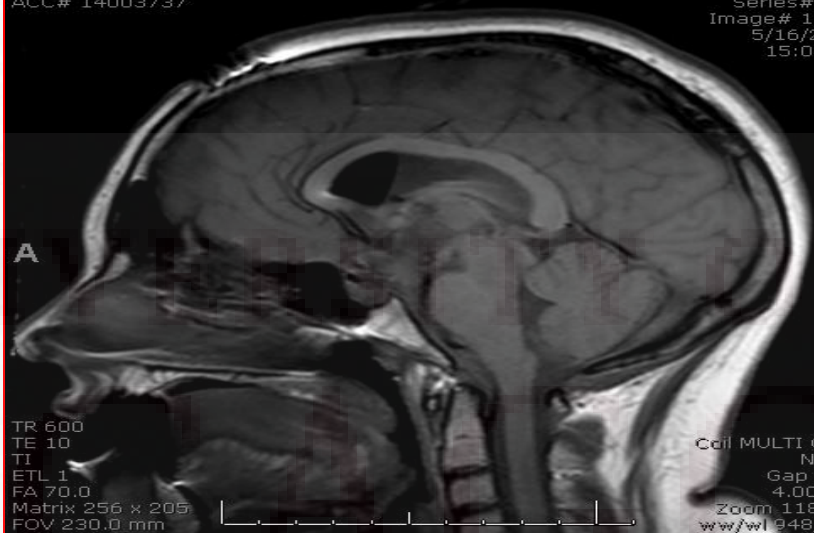
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Key

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NEX 2  
Gap 6.00  
5.00 mm  
Zoom 100%  
ww/wl 629/277

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ACC# 14003737

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PHILIPS-3A33724 - CCD 3T  
MRI BRAIN WWO  
SAG T1 SE  
Series# 301  
Image# 15/29  
5/16/2014  
15:08:10



TR 600  
TE 10  
TI  
ETL 1  
FA 70.0  
Matrix 256 x 205  
FOV 230.0 mm

Coil MULTI COIL  
NEX 1  
Gap 5.00  
4.00 mm  
Zoom 118.5%  
ww/wl 948/545

TARQUENO, KIMBERLY  
MR# 3393699  
Age F  
ACC# 14267337

S

PHILIPS-49E2C2A - Comer Childrens Hospital  
MRI BRAIN WWO  
Sag T1 Brain  
Series# 401  
Image# 13/26  
8/21/2014  
7:59:16



TR 586.565  
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TI  
ETL 1  
FA 90.0  
Matrix 244 x 245  
FOV 220.0 mm

Coil SENSE-Head-8  
NEX 1  
Gap 6.00  
5.00 mm  
Zoom 106.7%  
ww/wl 412/206

TARQUENO, KIMBERLY  
MR# 3393699  
Age F  
ACC# 14267337

S

PHILIPS-49E2C2A - Comer Childrens Hospital  
MRI BRAIN WWO  
Sag T1 Brain POST  
Series# 1201  
Image# 13/26  
8/21/2014  
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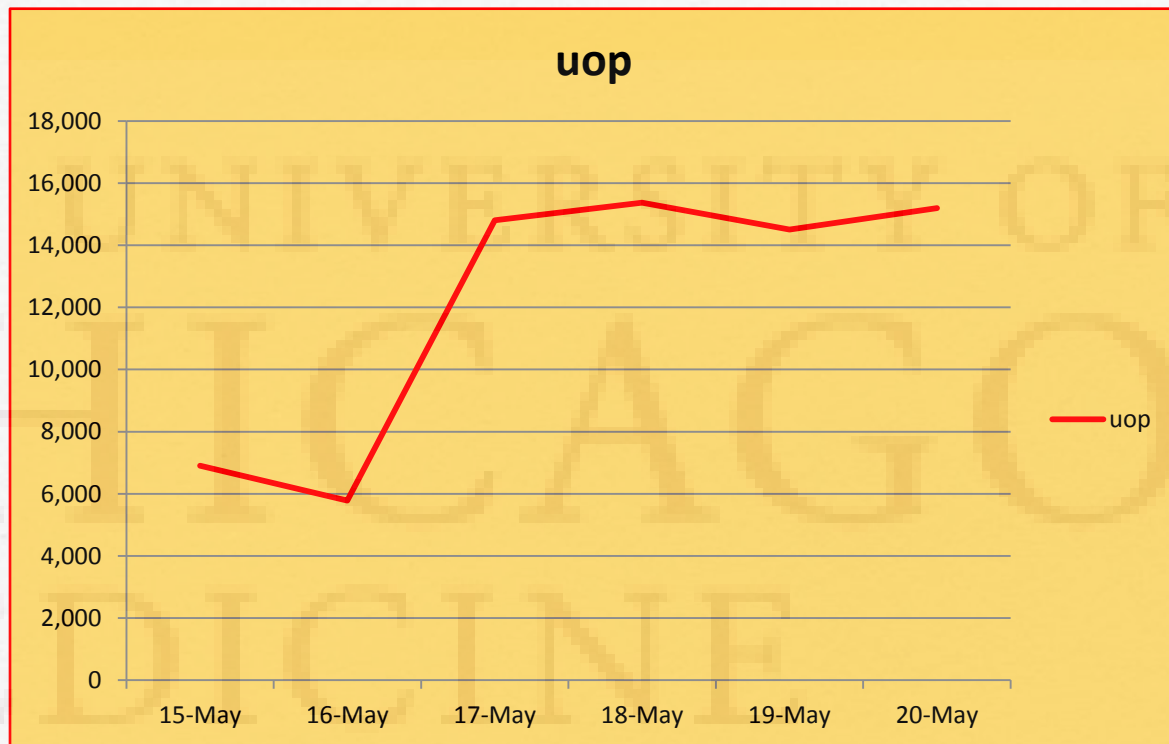
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TI  
ETL 1  
FA 90.0  
Matrix 244 x 244  
FOV 220.0 mm  
Key

Coil SENSE-Head-8  
NEX 1  
Gap 6.00  
5.00 mm  
Zoom 106.7%  
ww/wl 296/148

# Post-op Course

## Started on

- Stress dose steroid
- LT4 50 mcg daily
- DDAVP added

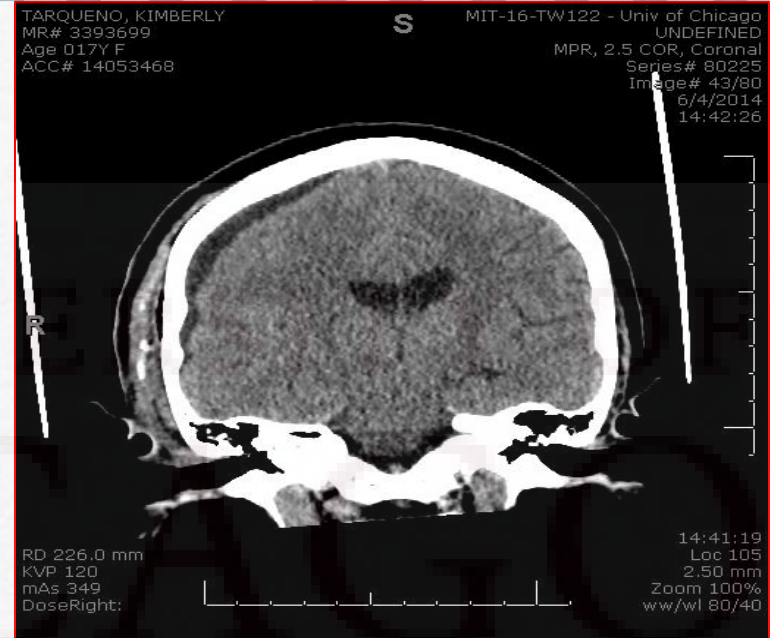


Test/date	5/17
U Na	12
U osm	< 100
P Osm	301
U SG	1.005

- Increase UOP

Test/date	5/15	5/16	5/17	5/19	5/21	5/24
Na	144	161	156	147	142	143

- Discharged on 5/27
- 5 days after discharge → readmitted with worsening swelling around Rt eye
- She underwent a CT scan on 6/4/14 which found a right-sided frontal and parietal subdural collection.
- Started on Vaco/Cefepime
- Sub-galeal fluid collection was sampled which was largely bloody and found to have MSSA on culture
- Antibiotics changed to IV Oxacillin (6 weeks)
- Currently receiving radiation therapy



## *Repeated TFT*

Test/date	5/15	5 wks post op
<b>TSH (0.3 – 4.0 mcu/ml)</b>	2.02	0.22
<b>FT4 (0.9 -1.7 ng/dl)</b>	1.12	0.50

**Levothyroxine dose increased to 75 mcg daily**

***Thank you***

**Milad Abusag MD**

**09/11/2014**