

Getting the MOST  
out of YOUR  
Academic Half Day

.Your mission... is to be a  
phenomenal doctor.....

**IT IS NOT  
IMPOSSIBLE!**



**It will be a marathon...**

and require intensive training,  
discipline, and planning on your  
part....


# Academic Half Day (AHD)

- 9:15-12:30 Tuesday mornings
- All clinical services covered by attendings while you learn, uninterrupted
- Learn from the experts!
- Articles/ Objectives/ MKSAP questions
- Board preparation/ Patient care
- **This is your job!** *You are being paid approximately \$5,000 to attend per year!*

**Home****Academic Half Day****Education****Helpful Links****Orientation****Scholarly Activity****Feedback**Phoenix, AZ  
Wed, Jun 29, 2016

99°F

Mostly Cloudy

[More on Weather.com](#)Thu  101°Fri  93°Sat  101°

◀ 27 JUN - 03 JUL 2016 ▶

Timezone: GMT -07:00

27 MONDAY		28 TUESDAY		29 WEDNESDAY	30 THURSDAY	01 FRIDAY
8:00am						8:00am - 9:00am Grand Rounds BUMC...
9:00am		9:00am - 12:30pm AHD				
10:00am						
11:00am		11:00am - 11:00am - ... BUMCP - M VA MR -		11:00am - 11:00am - ... BUMCP MR VA MR	11:00am - 12:00am - ... BUMCP MR VA MR -	
12:00pm						12:00pm - 1:00pm Grand Rounds - VA


Banner University Medical Center - Phoenix  
1111 E McDowell Road  
Phoenix AZ 85006  
602-839-2000  
[Contact](#)





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JULY 5, 2016 JULY 12, 2016 JULY 19, 2016 JULY 26, 2016

Today JULY 2016 Timezone: GMT -07:00

TUESDAY

5  
9:40am Infectious Dx Emergencies - Dr. Yu  
10:25am Acute Stroke Management - Emily Ray NP  
11:30am Getting the most out of AHD - Dr. Shinar/ Dr. O'Malley

12  
9:40am Diabetes Manage in hospital - Dr. O'Malley  
10:25am Hospital Metrics - Dr. Emily Mallin  
11:30am Acute Kidney Injury - Dr. Elise Barney

19  
9:40am The Surgical Abdomen - Dr. Nirav Patel  
10:25am Pain Management - Dr. Laura Wicks  
11:30am Code Talkers - Dr. Nilofer Kiddiwala

26  
9:40am Acute Coronary Syndrome - Dr. Jessica Weiss  
10:25am Anemia Evaluation - Dr. Brenda Shinar  
11:30am Heme/Onc Emergencies - Dr Matt Ulrickson

2  
9:40am Intro to Clinic Micro - Dr. Mike  
10:25am Sexually Transmitted Infections - Dr. Negin Blattman  
11:30am C. Diff - Dr. Negin Blattman

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OBJECTIVES

ID EMERGENCIES PART 1

ID EMERGENCIES PART 2

ACUTE STROKE

INTRO TO AHD VIDEO

ONCOLOGIC EMERGENCIES

ID EMERGENCIES VIDEO

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July 5, 2016 AHD Objectives

Infectious Disease Emergencies:

1. Recognize the signs and symptoms of patients with the following infectious disease emergencies: bacterial meningitis, herpes encephalitis, and necrotizing fasciitis.
2. Know the immediate treatment required for each of these emergent conditions and the order in which the diagnostic tests (labs and imaging) and treatment should be initiated.

Acute stroke diagnosis and management:

1. Know the appropriate imaging tests to order in the patient with acute stroke.
2. Know the evidence for IV-TPA in the management of acute ischemic stroke and the guidelines for its administration.
3. Know the evidence for aspirin therapy in the management of acute ischemic stroke (dose, time of initiation).
4. Know the appropriate management of acute stroke in a patient who presents with atrial fibrillation.
5. Know the appropriate management of a patient with acute ischemic stroke who presents outside the window for IV-TPA. Identify the circumstances in which catheter directed clot retrieval is indicated and when it is contraindicated.

How to Get the Most out of Your Academic Half Day:

1. Plan the time of your weekly review of the AHD articles and objectives.
2. Determine how you are going to keep track of your objectives so that you can review them and teach them to others for reinforcement.


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ACUTE STROKE

## Head and Neck Emergencies

### Bacterial Meningitis, Encephalitis, Brain Abscess, Upper Airway Obstruction, and Jugular Septic Thrombophlebitis

Catherine J. Derber, MD\*, Stephanie B. Troy, MD

**KEYWORDS**












- Meningitis • Encephalitis • Brain abscess • Epiglottitis • Ludwig angina • Lemierre syndrome

**KEY POINTS**

- Head and neck infectious disease emergencies can be rapidly fatal without prompt recognition and treatment.
- Empiric intravenous (IV) antibiotics, tailored to the patient's age and predisposing factors, should be initiated immediately in any patient with suspected bacterial meningitis.
- IV acyclovir should be started immediately in any patient with suspected encephalitis.
- Surgical intervention in addition to prompt initiation of antibiotics is often necessary for brain abscesses, epiglottitis, and Ludwig angina.
- A high index of suspicion is needed to diagnose epiglottitis, Ludwig's angina, and Lemierre's syndrome.

**BACTERIAL MENINGITIS**

Bacterial meningitis carries a high morbidity and mortality, requiring emergent intervention and treatment. The classic triad associated with community-acquired bacterial meningitis (fever, neck stiffness, and altered mental status) is uncommon, appearing in less than half of patients in 1 study, although 95% of patients had at least 2 of the following 4 symptoms: headaches, fever, neck stiffness, or altered mental status.<sup>1</sup> Headache is the most common presentation in several reviews.<sup>1-3</sup> Additional symptoms seen in patients with community-acquired meningitis include nausea and vomiting, photophobia, and rash (most commonly in the setting of meningococcal meningitis).<sup>2,4</sup> Physical examination findings associated with meningitis, such as Kernig's sign and Brudzinski's sign, are typically not helpful in the diagnosis of meningitis.<sup>2</sup> Given the lack of consistency of clinical features, a high index of suspicion is the cornerstone of diagnosis.



11:10 AM



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## OBJECTIVES

## ID EMERGENCIES PART 1

## ID EMERGENCIES PART 2

## ACUTE STROKE

## Diagnosis of Acute Stroke

KENNETH S. YEW, MD, MPH, Family Medicine of Albemarle, Charlottesville, Virginia  
ERIC M. CHENG, MD, MS, University of California–Los Angeles, Los Angeles, California

Stroke can be categorized as ischemic stroke, intracerebral hemorrhage, or subarachnoid hemorrhage. Awakening with or experiencing the abrupt onset of focal neurologic deficits is the hallmark of the diagnosis of ischemic stroke. The most common presenting symptoms of ischemic stroke are speech disturbance and weakness on one-half of the body. The most common conditions that can mimic a stroke are seizure, conversion disorder, migraine headache, and hypoglycemia. Taking a patient history and performing diagnostic studies will usually exclude stroke mimics. Neuroimaging is required to differentiate ischemic stroke from intracerebral hemorrhage, as well as to diagnose entities other than stroke. The choice of neuroimaging depends on availability of the method, the patient's eligibility for thrombolysis, and presence of contraindications. Subarachnoid hemorrhage presents most commonly with sudden onset of a severe headache, and noncontrast head computed tomography is the imaging test of choice. Cerebrospinal fluid inspection for bilirubin is recommended if subarachnoid hemorrhage is suspected in a patient with a normal computed tomography result. Public education about common presenting stroke symptoms may improve patient knowledge and clinical outcomes. (*Am Fam Physician*. 2015;91(8):528-536. Copyright © 2015 American Academy of Family Physicians.)



**CME** This clinical content conforms to AAFP criteria for continuing medical education (CME). See CME Quiz Questions on page 521.

Author disclosure: No relevant financial affiliations.

► **Patient Information:** A handout on this topic, written by the authors of this article, is available at <http://www.aafp.org/alp/2015/0415/p528-st.html>.

**T**he symptoms of acute stroke can be misleading and misinterpreted by clinicians and patients. Family physicians are on the front line to recognize and manage acute cerebrovascular diseases. Rapid, accurate examination of persons with stroke symptoms can reduce disability and help prevent recurrences.

### Classifying Stroke

Stroke can be classified by pathologic process and vascular distribution affected. Defining the overall pathologic process is critical for decisions on thrombolysis, antithrombotic therapy, and prognosis.

### Risk Factors

Although there are many risk factors for stroke, such as age, family history, diabetes mellitus, chronic kidney disease, and sleep apnea, the major modifiable risk factors include hypertension, atrial fibrillation, smoking, symptomatic carotid artery disease, and sickle cell disease.<sup>1</sup> Physical inactivity; regular consumption of sweetened beverages; and low daily consumption of fish, fruits, or vegetables are also associated with an increased risk of stroke.<sup>1</sup> In women, current use of oral contraceptives, migraine with aura, the immediate postpartum period, and preeclampsia confer small absolute increases in risk of stroke.<sup>1</sup>



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# Housestaff Manual

## EXCUSED ABSENCES:

- The **only** residents excused from this are on the following rotations:
  - BGSMC ICU
  - VA ICU
  - Vacation
  - **Residents must attend every session in its entirety.**
  - Any absence other than the above explained excuses must be cleared through Dr. Shinar.
  - An unexcused absence is a violation of professionalism.

## ACADEMIC HALF DAY MKSAP questions

- Each week in AHD, the session will start and end with board style questions based on the objectives and pre-reading.
- The conference will end with the same questions, with the opportunity to change your answer based on what you learned.
- We will be scoring your answers and keeping track of your scores quarterly.
- Your clicking also counts for your attendance.

# AHD Objectives

- All residents are expected to read articles and do the objectives before each AHD
- If you have scored below 30<sup>th</sup> percentile on your ITE you must turn them in BEFORE AHD to Dr. Shinar AND Jane Sanborn by email
- Med-Peds Interns on Medicine are also required to turn them in to Dr. Holland and Jane Sanborn by email
- The ONLY times you are not required to turn them in are on ICU (BUMCP or VA) or vacation
- IF you do not turn them in ON TIME (reflected in House Staff Manual):
  - 1<sup>st</sup> time: Warning
  - 2<sup>nd</sup> time: One week extra sick call and must turn them in every week without regard to ICU or sick call
  - 3<sup>rd</sup> time: CCC committee referral for disciplinary consideration

## How ITE scores have changed since AHD was implemented

	2012	2015
Cards	20	31
Endo	11	26
Gastro	39	65
Gen Med	63	64
H/O	6	40
ID	35	59
Renal	10	43
Neuro	55	53
Pulm	19	28
Rheum	3	17
Geri	46	52
Total	18	45



Dr. Bob Raschke

Dr. Edwin Yu

# Top 8 Barriers (and solutions) to being the SMARTY pants you dream of...

Dr. Amandeep Khurana

Dr. Your Name Here!

# The Top 8 Barriers

8. I'm just a bad test taker no matter how much I study.

# “I’ m a bad test taker.”

- **Test Anxiety or Attention**

- Evaluation and treatment is available!
- If this is NOT your problem, then its one of the following...

- **Poor Study Skills and Habits**

- I’ m a bad test taker = I don’ t know the answers
- Many subjects are hard to learn and take considerable effort with appropriate study strategies

- **Inflated self-assessment of knowledge, skill, or ability**

- Most students are very poor at “meta-cognition” or knowing what they know!
- It is very hard to correct an inflated sense of knowledge...
- The key indicator of this problem is that you don’ t do well on the test!



# The Top 8 Barriers

7. My fellowship goals are more important than learning internal medicine.
8. I'm just a bad test taker no matter how much I study.

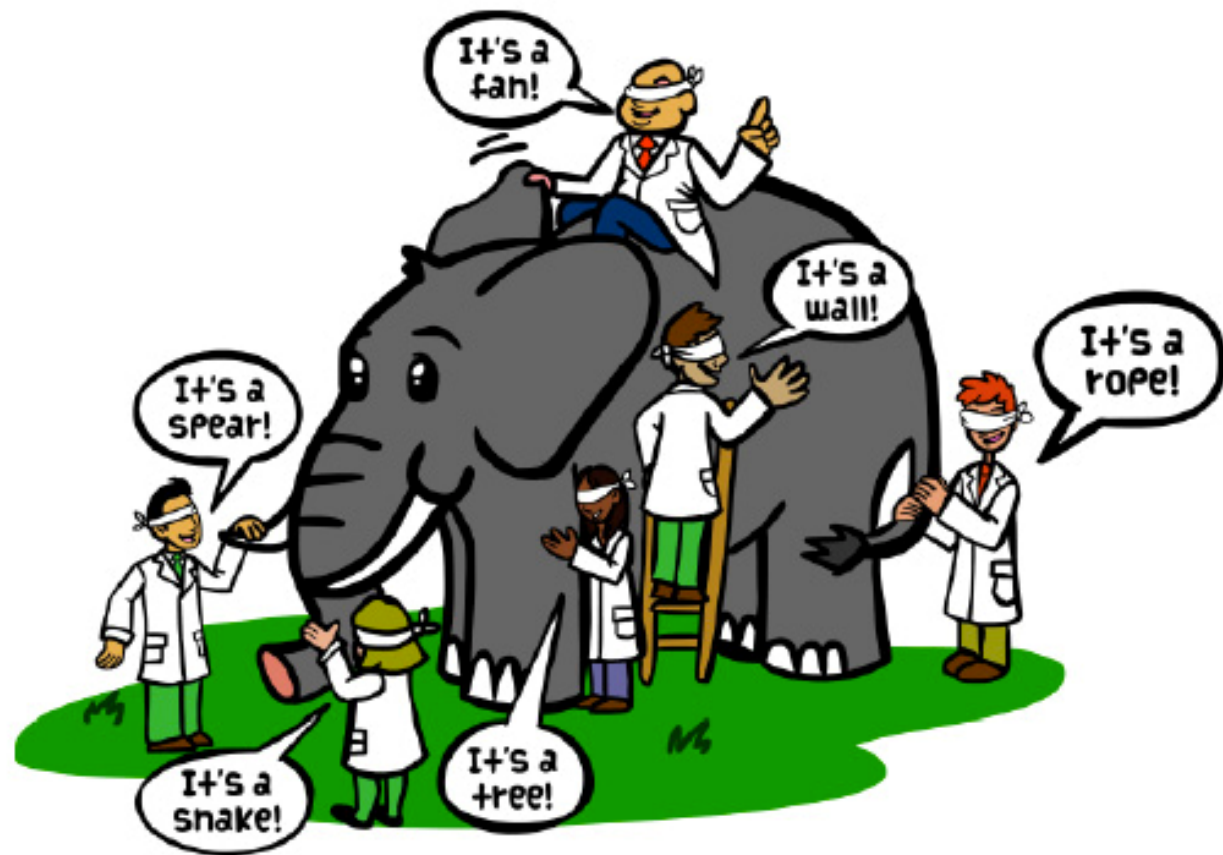
“My fellowship goals are more important than learning internal medicine.”

- Study and take an elective in your WEAKEST area.
- Fellowships are looking for well rounded fellows with excellent baseline GIM knowledge.
- Study it when you are on that rotation, be engaged and ask thoughtful questions.
- “Discipline is doing something you hate with the zeal and tenacity as if you loved it...”

# The Top 8 Barriers

6. I learn best by doing questions rather than reading.
7. My fellowship goals are more important than learning internal medicine.
8. I'm just a bad test taker no matter how much I study.

“I learn best by doing questions rather than reading”



# The Top 8 Barriers

5. The board exam is far away and I work best under pressure.
6. I learn best by doing questions rather than reading.
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# “The Board Exam is far away and I work best under pressure”

- You always have a deadline!



- Weekly AHD articles/objectives
- Monthly MKSAP questions on electives (due 7 DAYS after finishing elective rotation)

# The Top 8 Barriers

4. My medical knowledge is fine. (I don't know what I don't know).
5. The board exam is far away and I work best under pressure.
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“The faculty haven’t said anything bad about my medical knowledge, it must be fine.”

## Board Pass Calculator

[http://www.r-calc.com/administrator/calculatorPreview.aspx?isGrid=0&mobile=0&isTemp=0&calculator\\_id=de409368-643f-4f71-b96e-b040cb7478bf](http://www.r-calc.com/administrator/calculatorPreview.aspx?isGrid=0&mobile=0&isTemp=0&calculator_id=de409368-643f-4f71-b96e-b040cb7478bf)



### Platelet



start  
heparin  
infusion  
d/t DVT/PE

d/c heparin  
~3/11 ?  
IVC filter  
on 3/12

SubQ  
heparin  
5,000 u

# The Top 8 Barriers

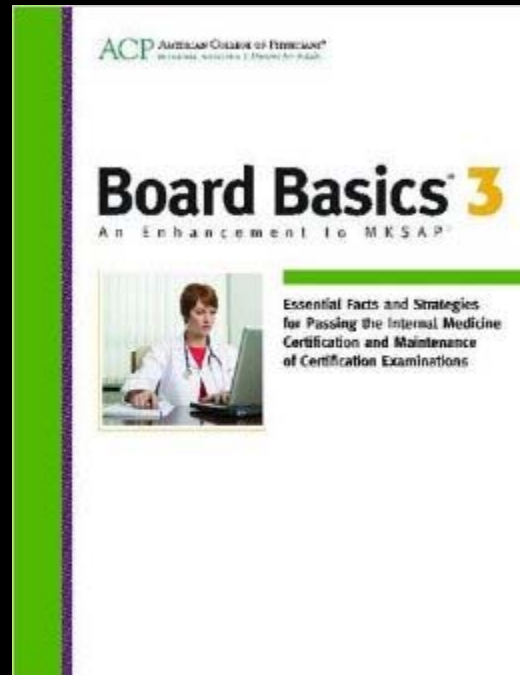
3. I don't know how to make the knowledge stick.
4. My medical knowledge is fine. (I don't know what I don't know).
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# “I don’t know how to make the knowledge stick.”

- **Make your reading active!**
  - *What do I already know about this topic?*
  - *What should I get out of this? (objectives)*
- **Take notes!**
- **Study your notes!**
  - Before the end of the month test...
  - Before the ITE exam...
- **Apply it- anything!**
- **Teach it!**



# Review and grow your notes





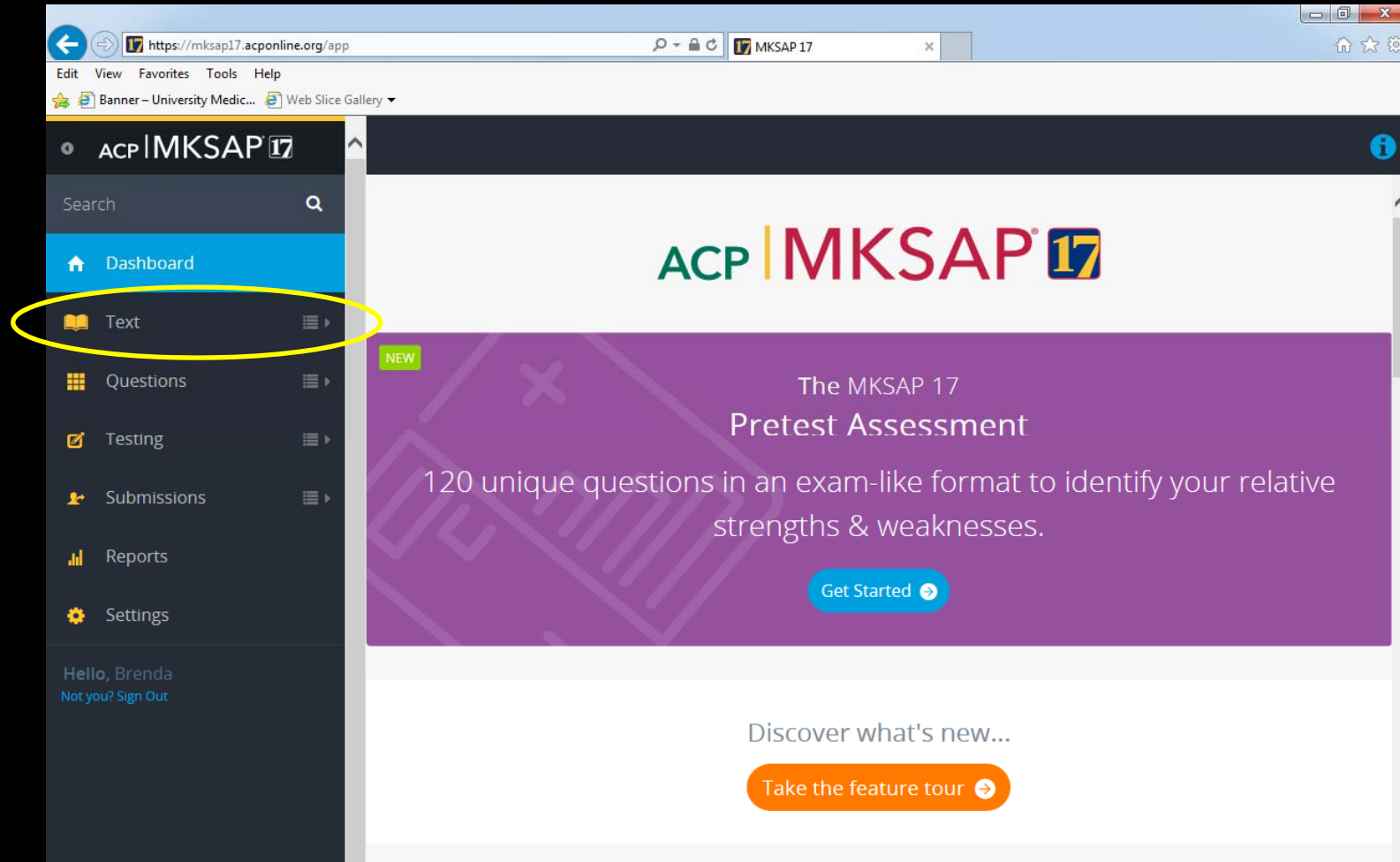
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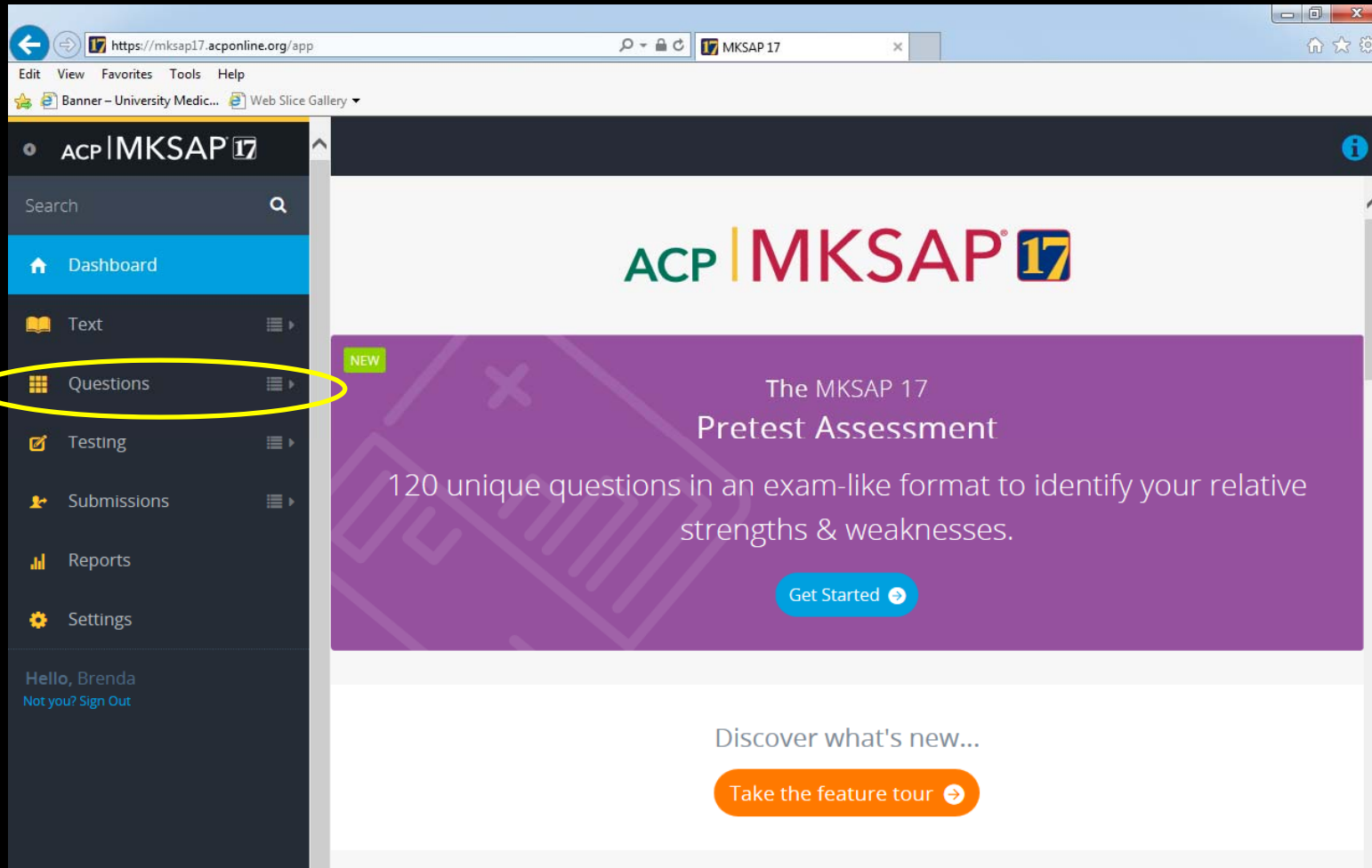
# “There is too much to read and I don't know how to get organized”

Call Months	Non-Call Months
<p>Your patients- Read whatever is handy/answers your ?. What else do you need to consider in the differential? Does this fit the typical illness script? Does our treatment match the current recommendations? If not, why?</p>	<p>Your patients- •MKSAP content for that topic •Daily discussions with the subspecialty attendings</p>
<p>Other: am report prep (seniors), teaching topics on rounds **</p>	<p>Rotation assignments</p>
	<p>Clinic articles</p>
<p>Academic ½ day weekly readings – What do you already know about the topic? What is the minimum that should you know (objectives)?</p>	<p>AHD readings: Objectives due?</p>
<p>Journal Club Grand Rounds Articles</p>	<p>Journal Club Grand Rounds Articles</p>

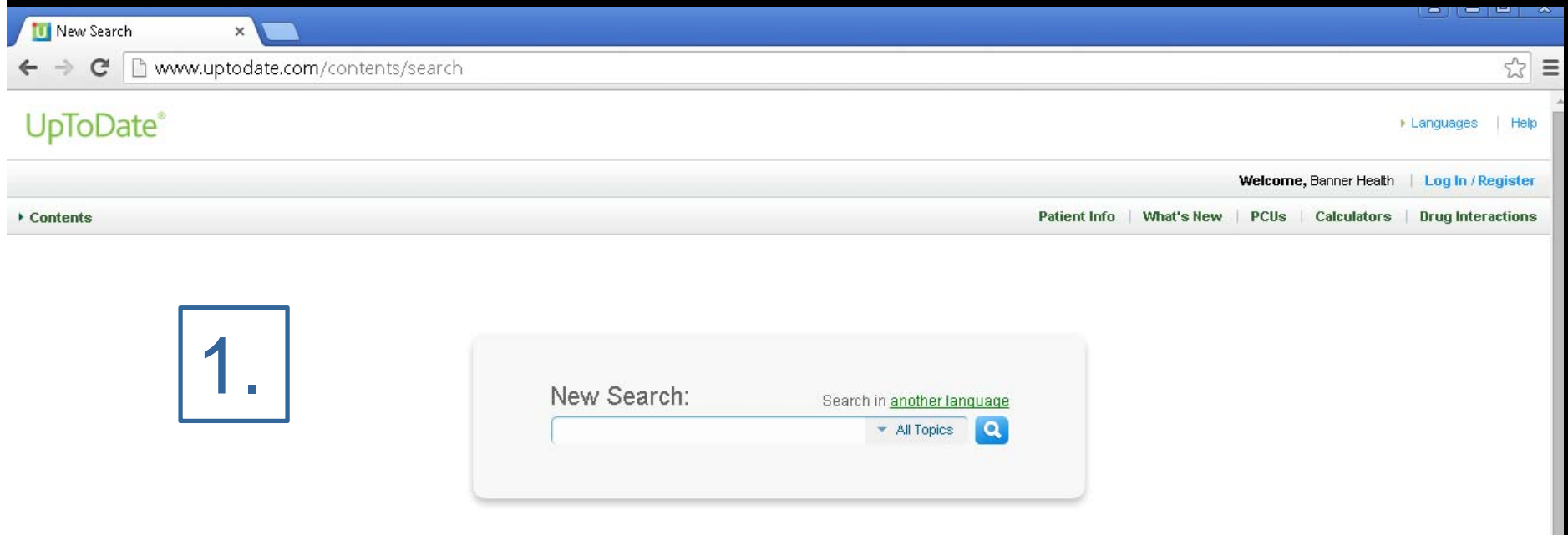
# Read the content



# Answer 100 Questions → Submit



# Read about your patients



The screenshot shows the UpToDate website's search page. The browser address bar displays 'www.uptodate.com/contents/search'. The UpToDate logo is in the top left, and navigation links like 'Languages' and 'Help' are in the top right. A 'Welcome, Banner Health' message and 'Log In / Register' link are also present. A horizontal menu bar contains 'Contents', 'Patient Info', 'What's New', 'PCUs', 'Calculators', and 'Drug Interactions'. The main content area features a 'New Search:' section with a search input field, a dropdown menu set to 'All Topics', and a search button. A link to 'Search in another language' is also visible.

1.

2. Review referenced studies

3. Look up your own search

# Academic Half Day

- Review the objectives
- Prepare answers to the objectives by reading the articles and any supplemental reading
- Attend conference and listen actively
- Review and talk about in your daily work
- Return to the objectives, articles, slides, and video as needed
- Review and talk about in your daily work

# My Study Calendar

[illegible]

# The Top 8 Barriers

1. Patient care counts as studying and I just worked a 12+ hour day.
2. There is too much to read and I am not sure where to start or how to get organized.
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# “Patient care counts as studying and I just worked a 12+ hour day”

- **We know!!**
- Find little islands of time in your day
- Have something handy to read/study at all times
- Use it and refer to it
- Slow and steady WINS the race!
- **You ALWAYS have time for what is important to you.**



# Impressions

- About you
- About the program
- About our profession