Getting the MOST out of YOUR Academic Half Day

Brenda Shinar Cheryl O'Malley

10,000 hours of deliberate practice





Do the math....

- Intern call months:
- 65 hours/wk X 8*
 months (35 weeks) as
 an intern = 2275 hrs
- Intern non-call months:
- 40 hours/wk X 13 weeks = 520 hrs

- Senior call months: Next 2 years 52 weeks of call X 65 hrs/wk= 3380 hrs
- Senior non-call months:
- 46 weeks X 40 hrs =
 1840 hrs

TOTAL hours in residency = 8015 hrs in 3 years

More Math...

- 10,000 hours 8015 hours
 - = 1985 hours left to be an expert

Over 3 years = 661 hours per year

• = 108 minutes per day of deliberate reading!

108 minutes

It is a job!



Job Description

Your Job

- To provide excellent care to patients today
- To engage in deliberate practice to prepare yourself to take excellent care of patients when unsupervised in the future.





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

Dr. Amandeep Khurana

Dr. Your Name Here!

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

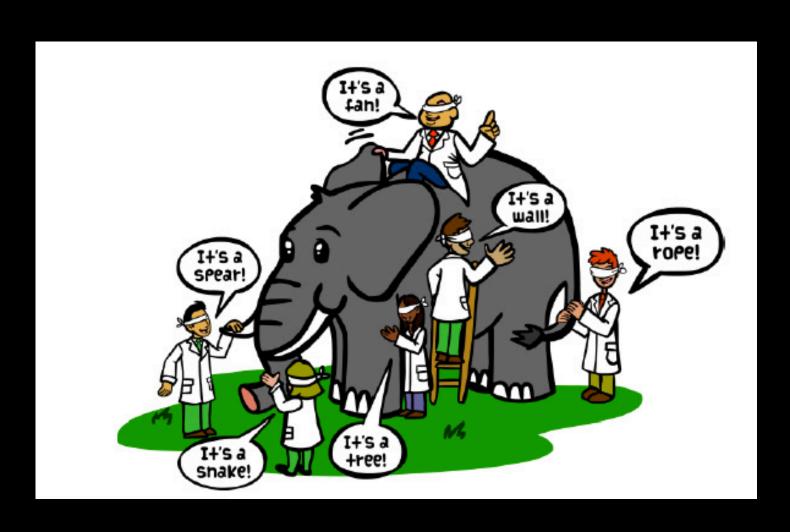
- I'm a bad test taker = I don't know the answers
- Many subjects are hard to learn and take considerable effort with appropriate study strategies
- Inflated self-assessment of knowledge, skill, or ability
 - Most students are very poor at "meta-cognition" or knowing what they know!
 - It is very hard to correct an inflated sense of knowledge...
 - The key indicator of this problem is that you don't do well on the test!

- 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..."

- 6. I learn best by doing questions rather than reading.
- 7. My fellowship goals are more important than learning internal medicine.
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"I learn best by doing questions rather than reading"



- 5. The board exam is far away and I work best under pressure.
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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)
- Timely completion is linked to your day off at BUMC-P

- 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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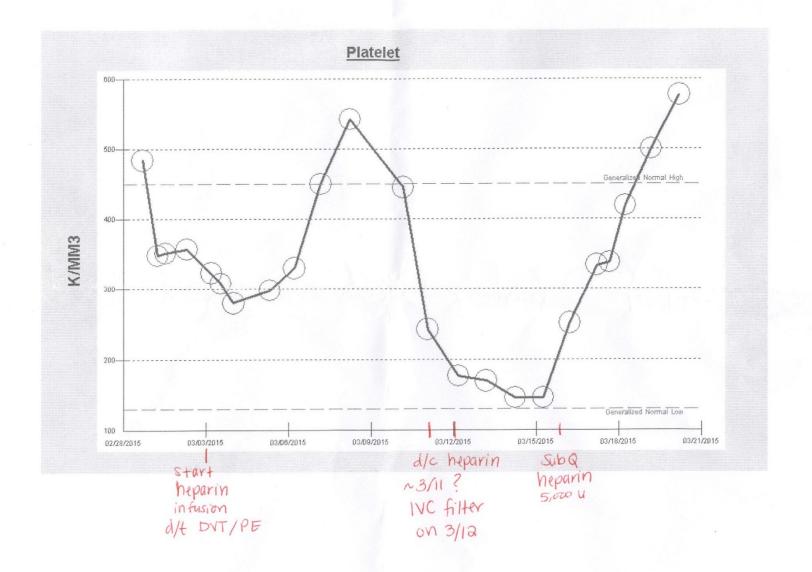
"The faculty haven't said anything bad about my medical knowledge, it must be fine."

Board Pass Calculator

http://www.r-

calc.com/administrator/calculatorPreview.aspx?isGrid=0&mobile=0&isTemp= 0&calculator_id=de409368-643f-4f71-b96e-b040cb7478bf



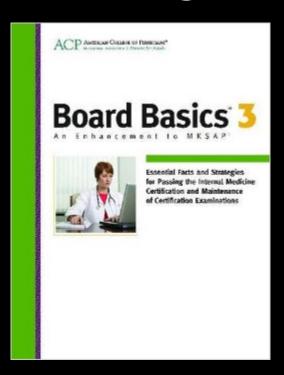


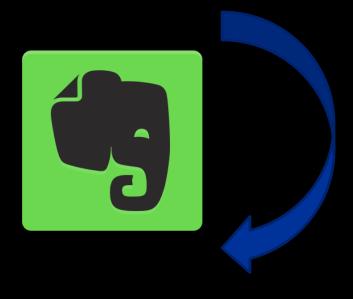
- 3. I don't know how to make the knowledge stick.
- 4. My medical knowledge is fine. (I don't know what I don't know).
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"I don't know how to make the knowledge stick."

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

Review and grow your notes

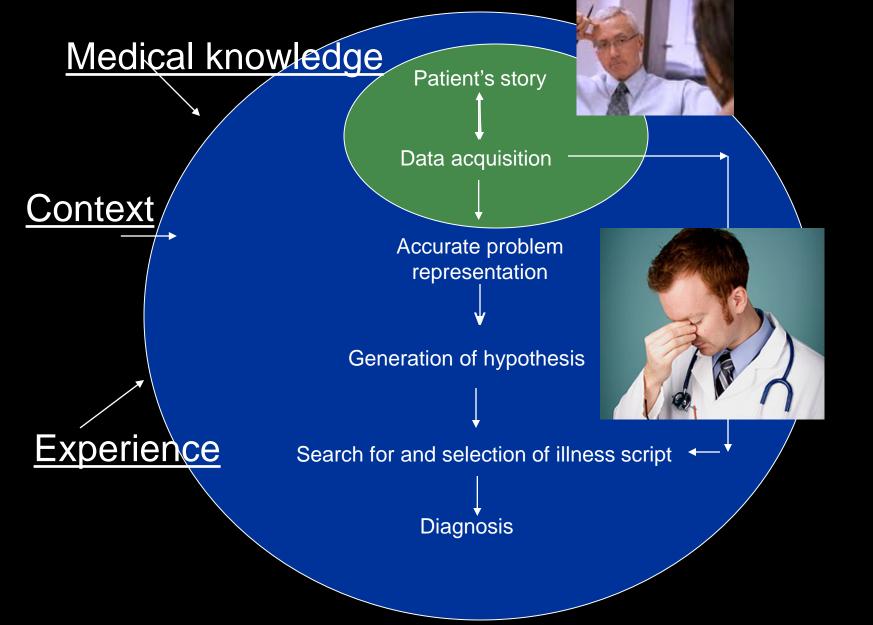




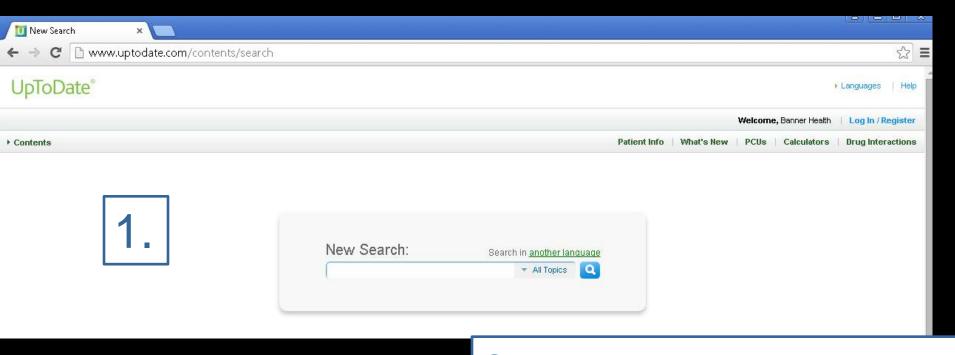
- 2. There is too much to read and I am not sure where to start or how to get organized.
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"There is too much to read and I don't know how to get organized"

Call Months	Non-Call Months
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?	 Your patients- MKSAP content for that topic Daily discussions with the subspecialty attendings
Other: am report prep (seniors), teaching topics on rounds **	Rotation assignments
	Clinic articles
Academic ½ day weekly readings – What do you already know about the topic? What is the minimum that should you know (objectives)?	AHD readings: Objectives due?
Journal Club Grand Rounds Articles	Journal Club Grand Rounds Articles



Read about your patients

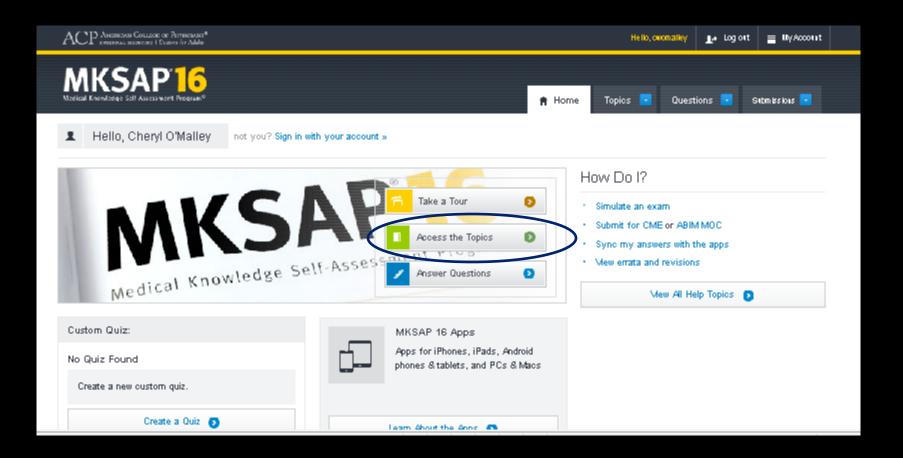


3. Look up your own search

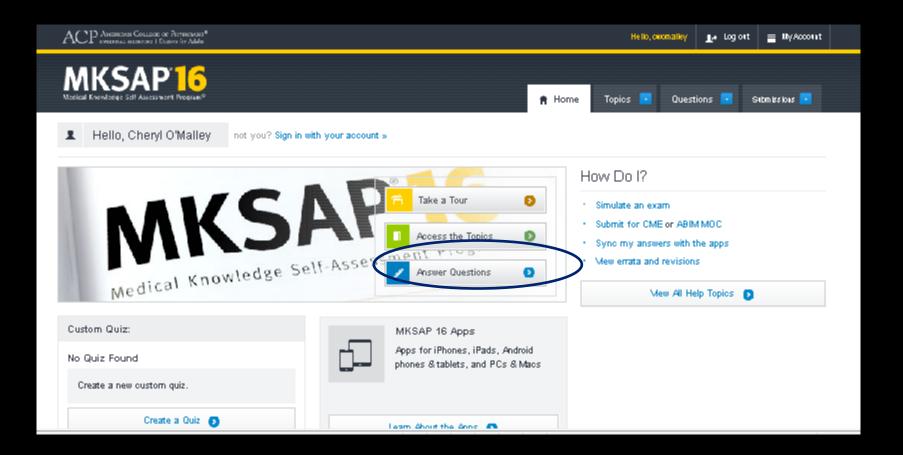
2. Review referenced studies



Read the content



Answer 100 Questions → Submit



Academic Half Day

- Review the objectives
- Read the articles *(new "Read by QxMD" App folder "B-UMCP Academic Half Day")



- Prepare answers to the objectives
- Review and talk about during your daily work
- Attend conference and listen
- Review and talk about in your daily work
- Return to the objectives, articles and video as needed

Goodsamim.com

"Gsphoenixim"

My Study Schedule 2015-2016

- Graduating Seniors need to have FINISHED by the time of the Awesome review in May!
- PGY1 and 2→ just make progress every month!
- MKSAP questions are due 7 days after a non-call month is over.

My Study Calendar

	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
My rotat ion												
AHD topic												

- 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.
- 3. I don't know how to make the knowledge stick.
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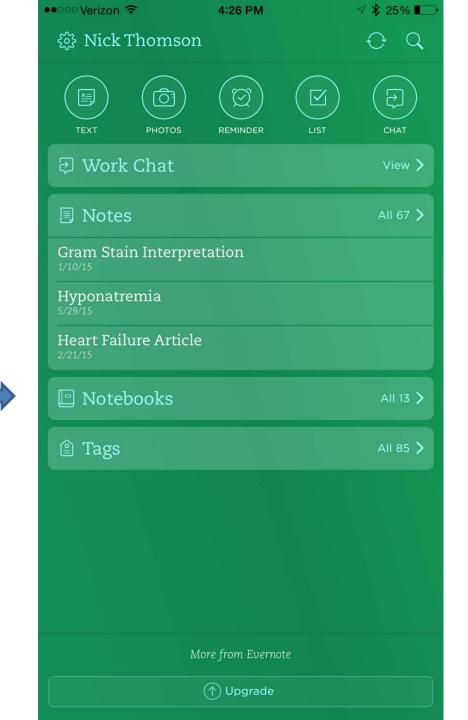
"Patient care counts as studying and I just worked a 12+ hour day"

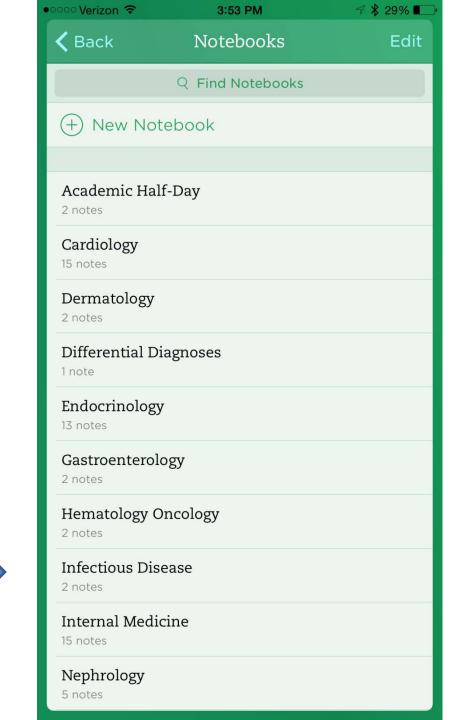
- We know!!
- Find little islands of time in your day
- Have something handy all the time
- Use it and refer to it
- Slow and steady WINS the race!
- You ALWAYS have time for what is important to you.

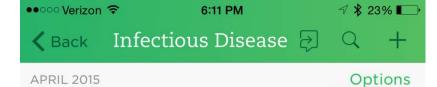
Study Journal Using **Evernote**

By Nick Thomson









STD Treatment

4/27/15

APRIL 2015

for 10-14 days or procaine penicillin, 2.4 million units IM daily plus probenecid, 500 mg PO four times daily, both for 10-14 days

IM = intramuscularly; IV = intravenously; PO = orally.

⁸Penicillin is the only effective antimicrobial agent for treatment of syphilis at any stage in pregnancy; therefore, pregnant penicillin-allergic patients should be desensitized and treated with the

JANUARY 2015

Gram Stain Interpretation 1/10/15

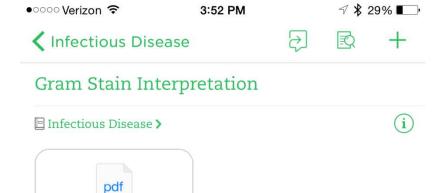
MINIMUM COMPETENCY-EVERYONE

HOLOGY REPORTED

a-positive coccci clusters
a-positive coccci
a-positive cocci
a-positive rod
a-negative diplococci









MORPHOLOGY REPORTED

Gram Stain Interpretation.pdf

- Gram-positive cocci clusters
- Gram-positive coccci pairs/chains
- Gram-positive cocci
- Gram-positive rod
- Gram-negative diplococci Gram-negative coccobacilli
- Gram-negative rod
- Yeast cells
- · Yeast cells with pseudohyphae
- OTHER FINDINGS-LEAVE FOR REVIEW

ORGANISM IMPLIED

Staphylococcus **Streptococcus**

Staphylococus/Streptococcus

Any Gram-positive rod

Neisseria/Moraxella

Haemophilus/Bacteroides Any Gram-negative rod

Yeast, usually Candida

Candida, not C. glabrata









Gram Stain Interpretation.pdf

interpretation [microbiology | generalist]

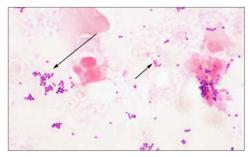
Interpretation of Gram Stains for the Nonmicrobiologist

Joan Barenfanger, MD, MMB, ABMM, and Cheryl A. Drake, SM(ASCP)
From the Department of Laboratory Medicine, Memorial Medical Center, Springfield, IL

- Guidelines for the interpretation of Gram stains
- Normal flora in respiratory secretions
- Normal flora in the female genital tract
- Presumptive identification of microorganisms from Gram stain
- Correlation of findings

Laboratories everywhere are being asked to do more with less. To enable the laboratory to offer increased services over an expanded period of time, many technologists with little experience in microbiologists may be according to the perform and read Gram stains. Interpretation of Gram stains is notoriously difficult for nonmicrobiologists because such interpretation requires multiple observations and the judgment that comes with years of experience. This article offers objective criteria for interpreting the most commonly encountered Gram-stained specimens.

An adequate examination of a Gram-stained smear includes observing numerous representative fields. The fields containing neutrophils yield the most useful information. A minimum of I minute should be spent examining a smear; after that, judgment is needed. Obviously, a smear from the cerebrospinal fluid (CSF) with neutrophils deserves more time than an acellular smear. Similarly, more time should be spent on a specimen that was obtained



[I1a] Staphylococci: gram-positive cocci in the tetrads (short arrow) and clusters (long arrow) as well as the nonspecific singles and pairs.

by an invasive technique than on one that was easy to obtain.

Generally, only 1 morphotype (bacteria with a certain Gram stain and shape, e.g., gram-negative bacilli) is seen in a sterile site. For instance, only gram-negative diplococci are expected in a patient's CSF, not gram-negative diplococci as well as gram-positive cocci. If both of these morphotypes are seen, most likely the problem is over-or underdecolorization.

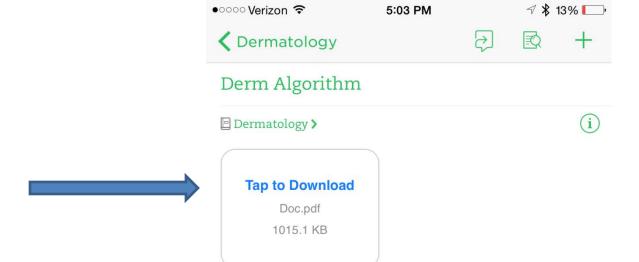
The problem with decolorization must also be considered when the shape

of the organism does not "fit" the Gram stain. Please refer to Images 1a through 1] for Gram stains of characteristic morphotypes (all images × 100 oil except G and J). For instance, gram-positive cocci seen in tetrads and clusters or in long chains are highly characteristic of staphylococci and streptococci, respectively [T1] [11a] [11b], but may appear gram-negative because of overdecoloration. Similarly, classic gram-positive diplococci are lancet-shaped or pointed at the outside ends [T1] [11c]. If gram-positive diplococci flattened at the out-positive diplococci flattened at the out-positive diplococci flattened at the out-

laboratorymedicine> july 2001> number 7> volume 32

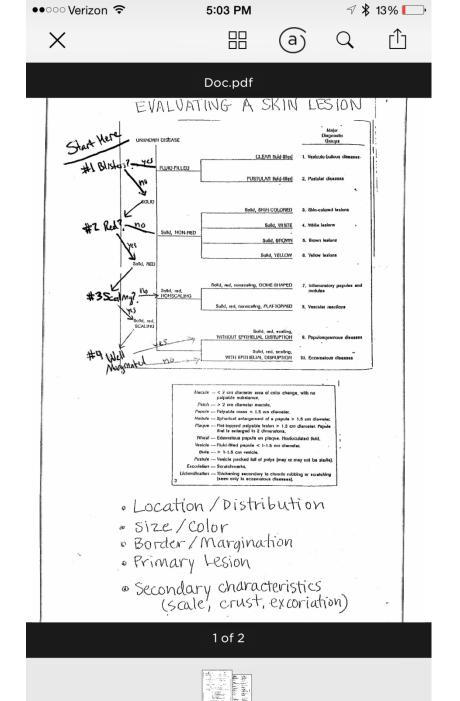
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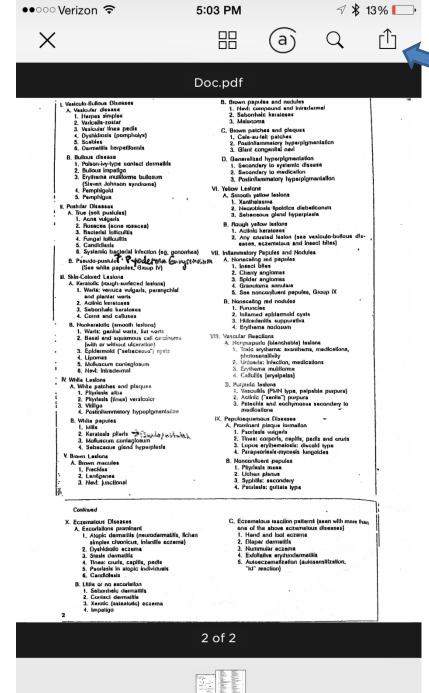


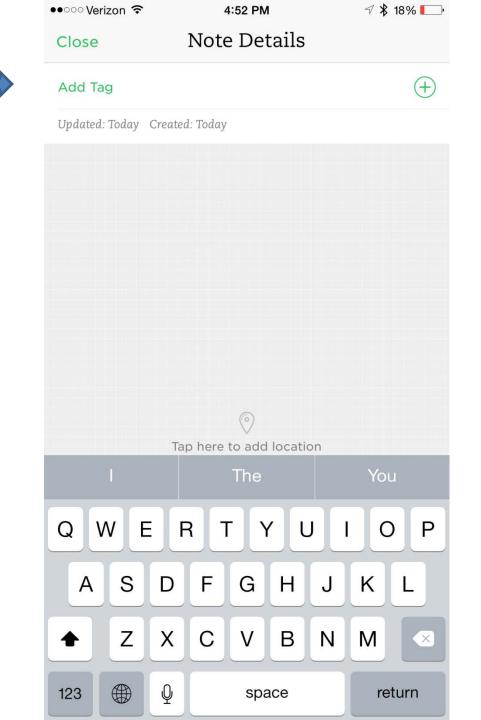


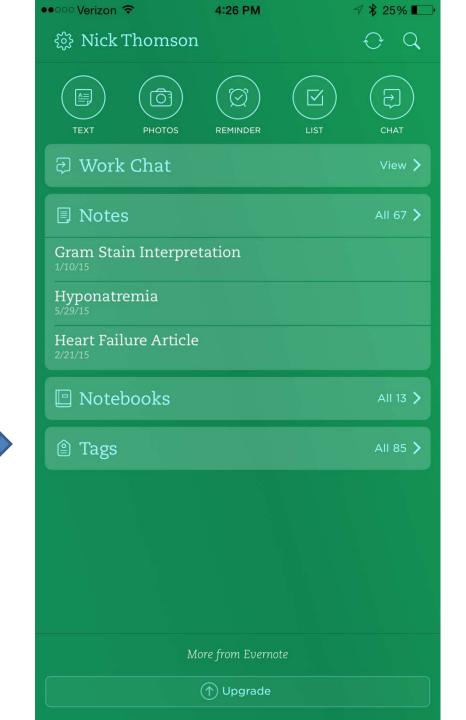


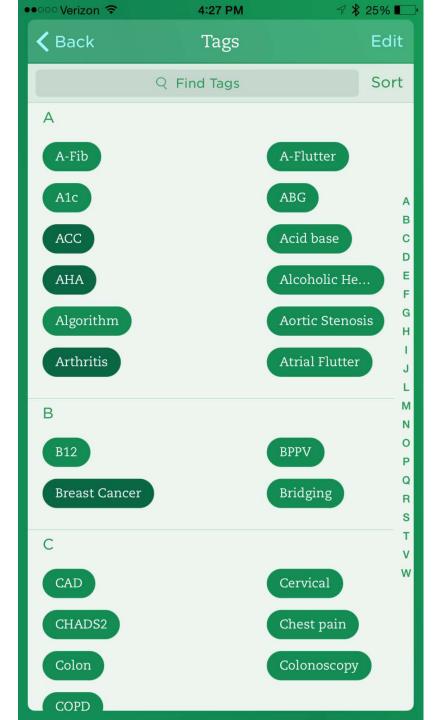


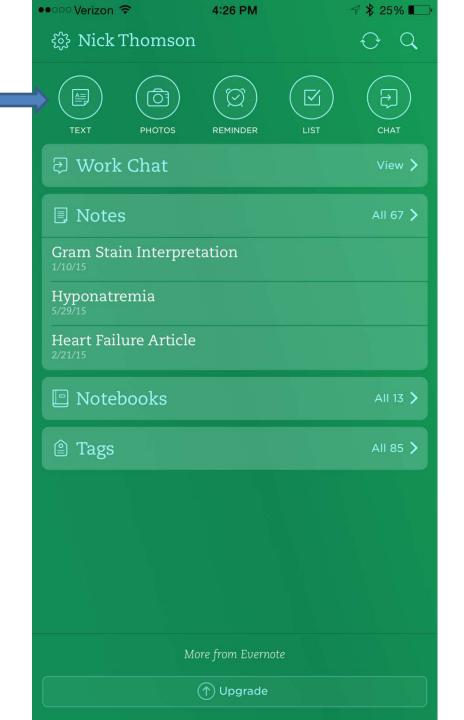


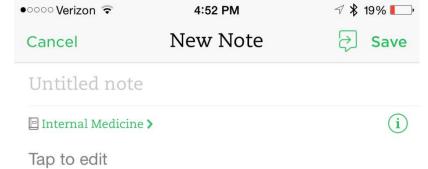






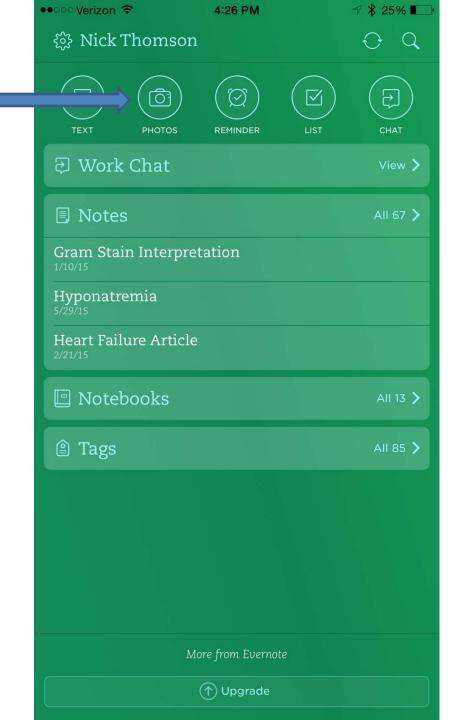


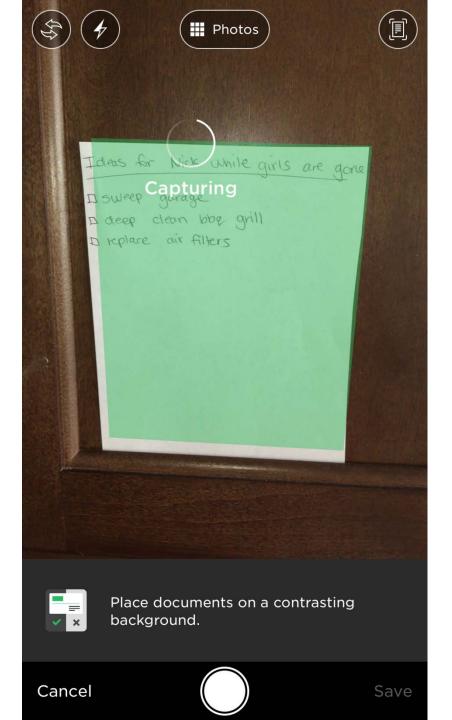


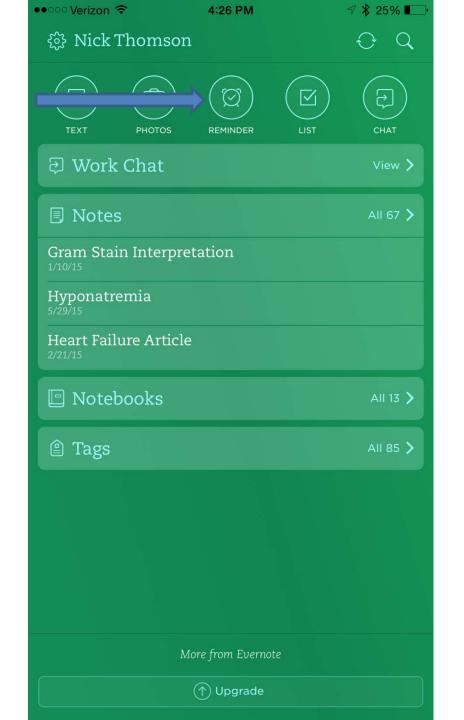


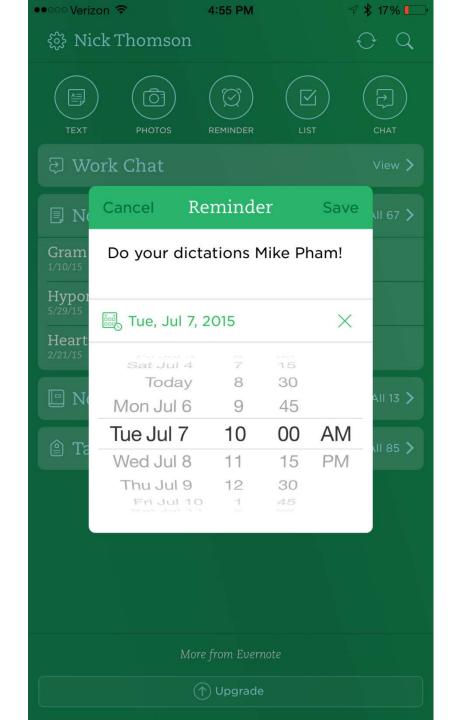


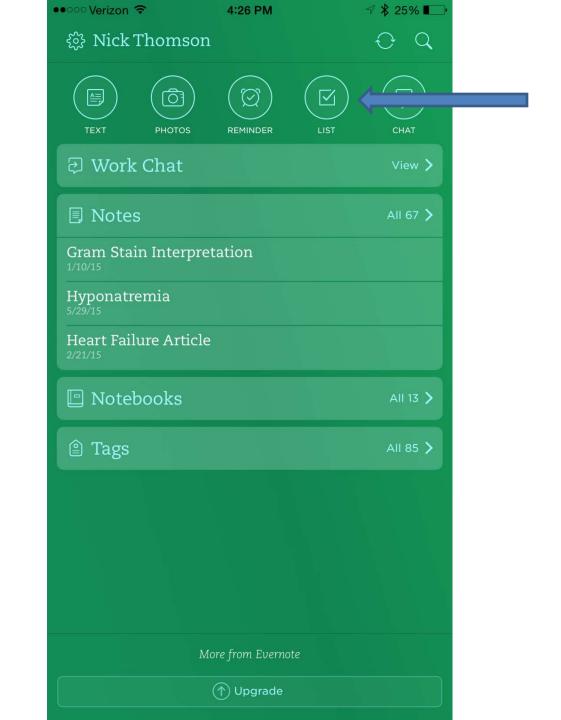


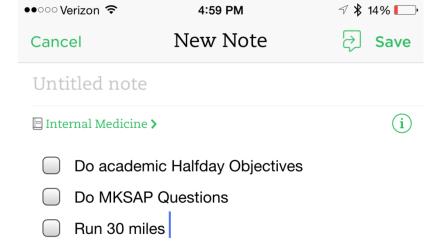


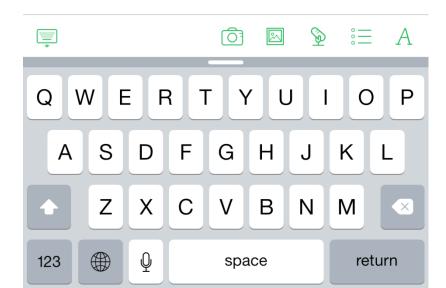


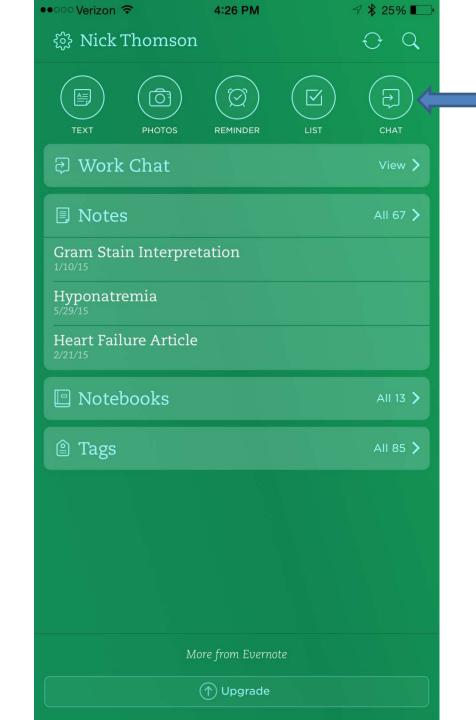


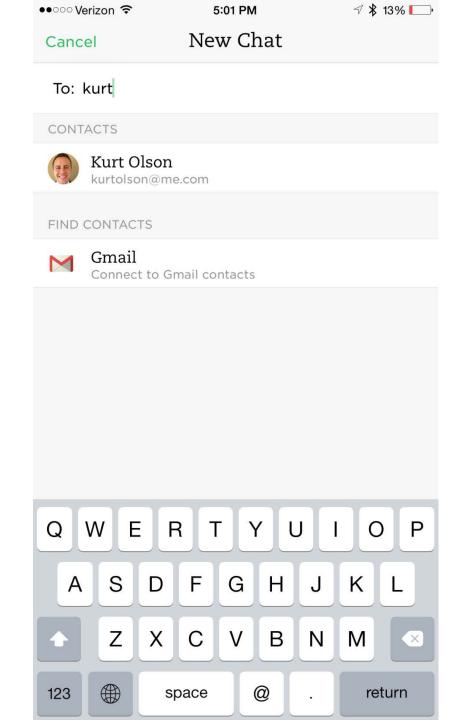












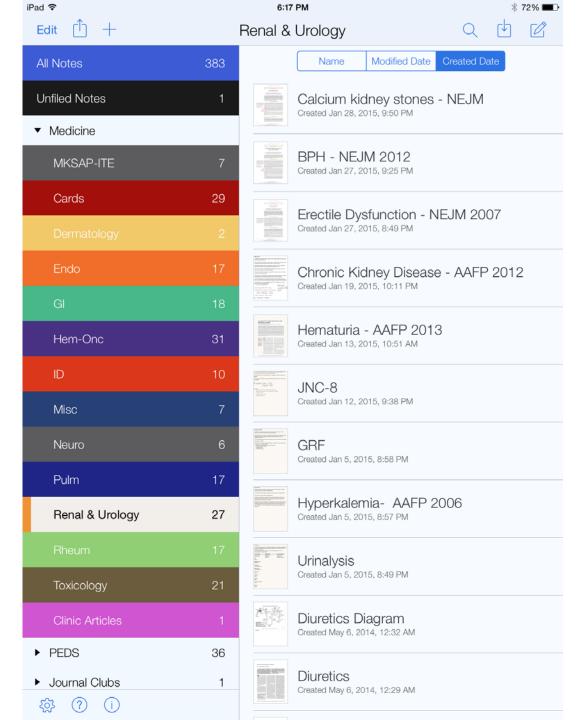
Miscellaneous

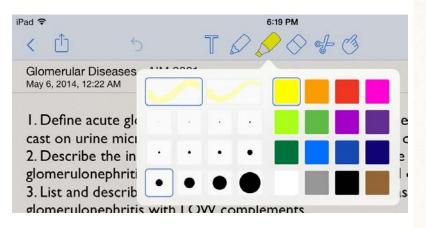
- Syncs across multiple devices
- Accessible on any computer using website
- Easily save and organize Academic Halfday Articles/Objectives
- Can easily share articles/notes/thoughts with Wards Teams



Notability







REVIEW ARTICLE

The Diagnosis of Glomerular Diseases

Acute Glomerulonephritis and the Nephrotic Syndrome

Michael P. Madaio, MD; John T. Harrington, MD

apid and efficient diagnosis of diseases presenting as acute glomerulonephritis and/or nephrotic syndrome is critical for early and appropriate therapy aimed at preservation of renal function. Although there may be overlap in clinical presentation, and some patients present with clinical features of both syndromes, this analysis serves as an initial framework to proceed with serologic testing and/or pathologic confirmation en route to final diagnosis. Efficient and timely diagnosis is essential in these situations because progression to end-stage renal disease may result if the underlying disease is not promptly treated.

Arch Intern Med. 2001;161:25-34

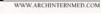
Glomerular injury leads to impairment of the selective filtering properties of the kidney and reduction in the glomerular filtration rate (GFR).1-3 Consequently, blood constituents normally excluded from the urinary space pass into the urine and are excreted. The nature and severity of the defect (ie, underlying disease and pathologic lesion) determine the quantity of red blood cells (RBC), white blood cells, and proteins lost in the urine and the extent of functional impairment.4 These variables determine the clinical presentation. While the GFR is reduced initially in many patients, the severity, reversibility, and progression of disease are dependent on many factors, including the nature, location, and extent of the insult and the renal and systemic response to glomerular injury.3,4 Prompt recognition of the cause of glomerular disease results in a more rational, safer, and effective therapeutic approach. Early diagnosis is especially important in patients with fulminant disease, where delay in treatment greatly reduces the likelihood of a beneficial response.4,5

In this review, we delineate our approach to the diagnosis of acute glomer-

From the Renal Electrolyte and Hypertension Division, Department of Medicine, University of Pennsylvania, Philadelphia (Dr Madaio), and the Nephrology Division, Department of Medicine, New England Medical Center and Tufts University School of Medicine, Boston, Mass (Dr Harrington). ular injury in adults, focusing on glomerulonephritis and nephrotic syndrome. Our intent is to provide a framework that will enable efficient and timely diagnosis. A few introductory points warrant particular emphasis. We do not discuss the evaluation of asymptomatic abnormalities discovered on routine urinalysis (ie, isolated hematuria and/or non-nephrotic-range proteinuria). The clinician should be aware that these manifestations may represent less severe forms of the full-blown entities. However, there are many nonglomerular causes of isolated hematuria and proteinuria that must also be considered in these situations, and the reader is referred to recent reviews of these entities.2,6-12

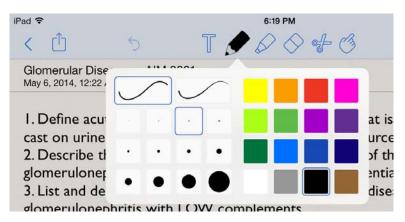
Although our approach distinguishes between nephritic and nephrotic states (the two classic clinical presentations of acute glomerular injury), many of the underlying diseases can produce nephritis or nephrotic syndrome. Furthermore, this distinction is not always easily made in individual patients. For example, some patients present with nephrotic-range proteinuria and active urine sediments, whereas others present with nephroticrange proteinuria and acute renal failure. In some instances the clinical presentation represents the initial manifestation of an acute disease, whereas in others the physician initially detects a more chronic

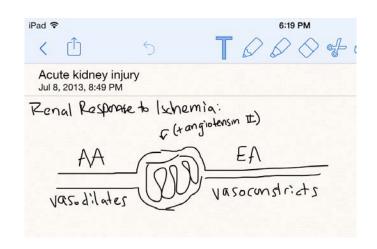
(REPRINTED) ARCH INTERN MED/VOL 161, JAN 8, 2001

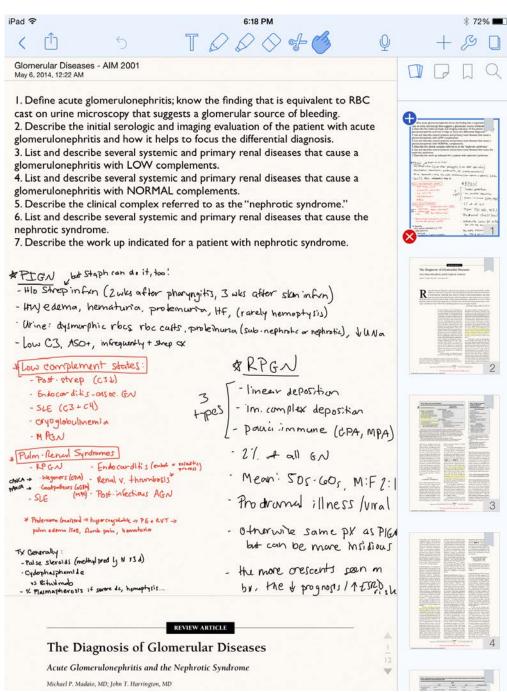


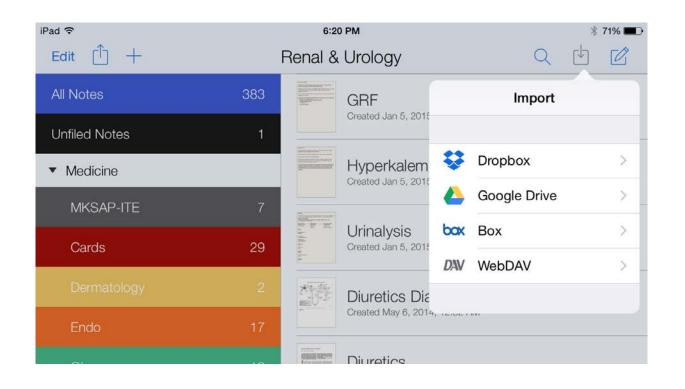












Impressions

- About you
- About the program
- About our profession