



#InpatientProblems



#InpatientProblems

#DayTeamProblems



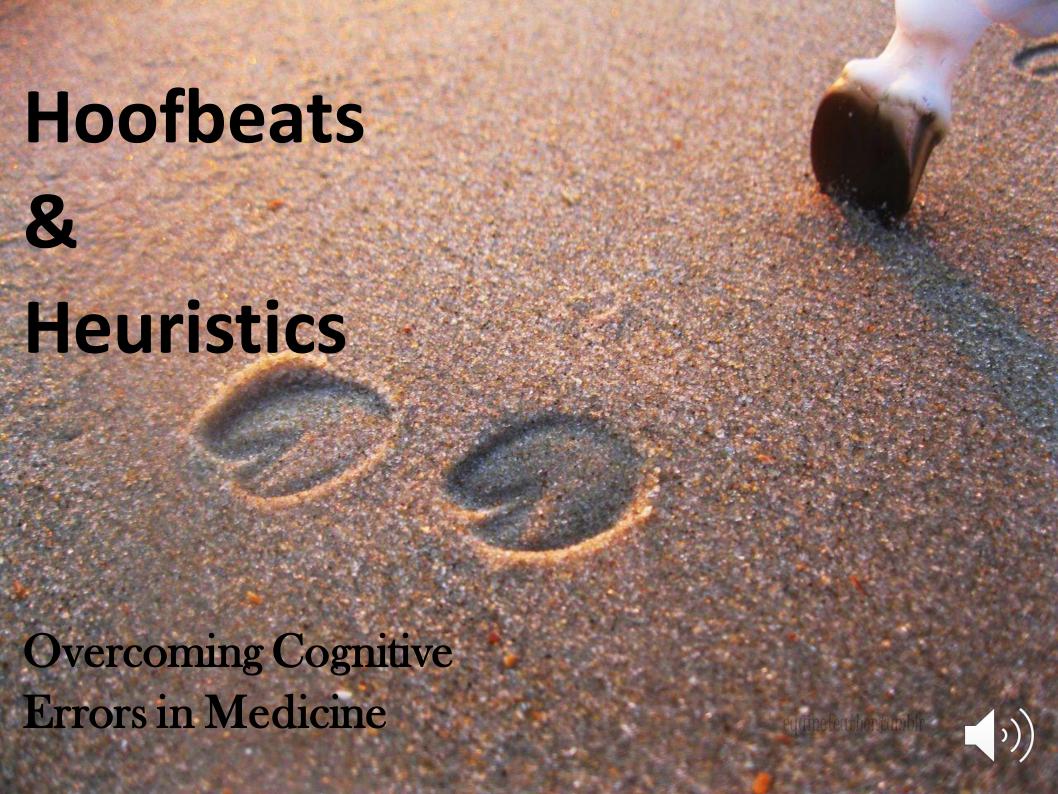
Pyelonephritis Pathway

```
[] Urinalysis
  Lactic Acid now and again in 4h
  CBC
  CMP
  Blood Cultures x 2
[] 1g Vancomycin
[] 3.375g Zosyn
  30 cc/kg Lactated Ringer's IV
[] Vital Signs Q15 minutes
[] Admit to Medicine
```



























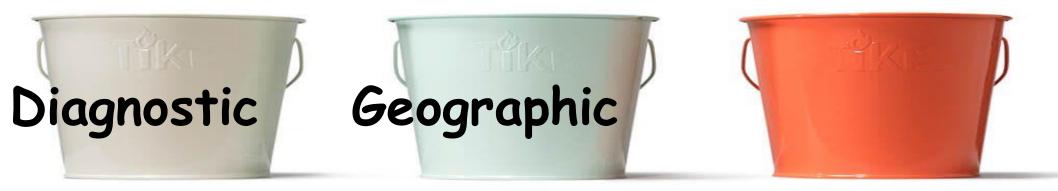






- Anchor bias
- -Search satisfaction





- Anchor bias

-Search satisfaction





- Anchor bias

-Availability

-Search satisfaction





Geographic



- Anchor bias

-Availability

-Search satisfaction

-Confirmation





Geographic



- Anchor bias

-Availability

-Search satisfaction

-Confirmation

-Geography





Geographic



- Anchor bias

-Availability

-Search satisfaction

-Confirmation

-Geography

















- Anchor bias

-Availability

-Hot hand

-Search satisfaction

-Confirmation

-Inexperience

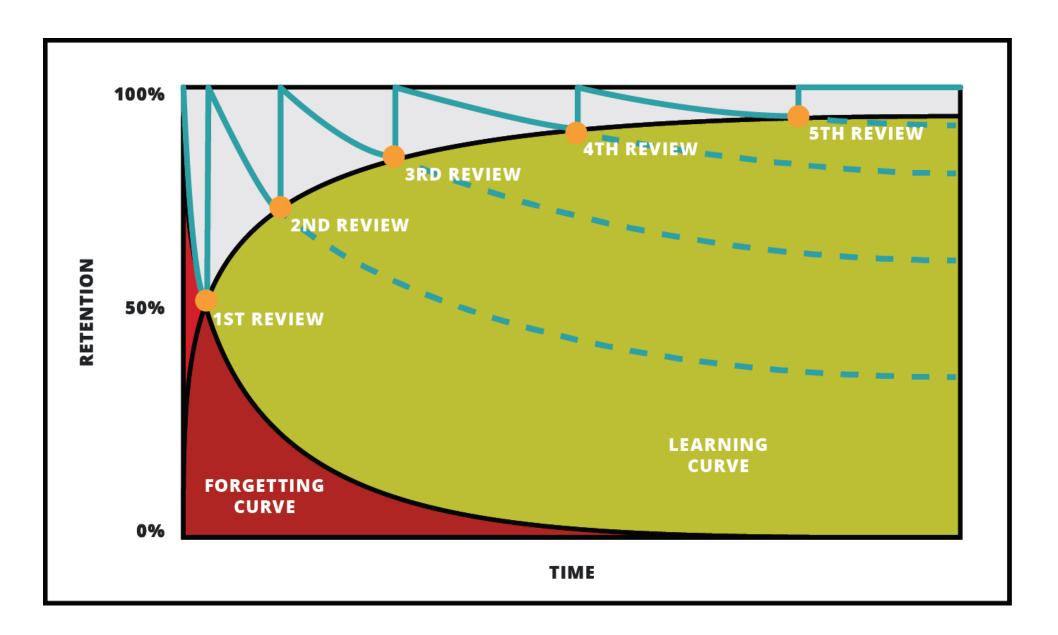
-Geography

-Fatigue











#FOAMed Tik Tok MID CALC 42























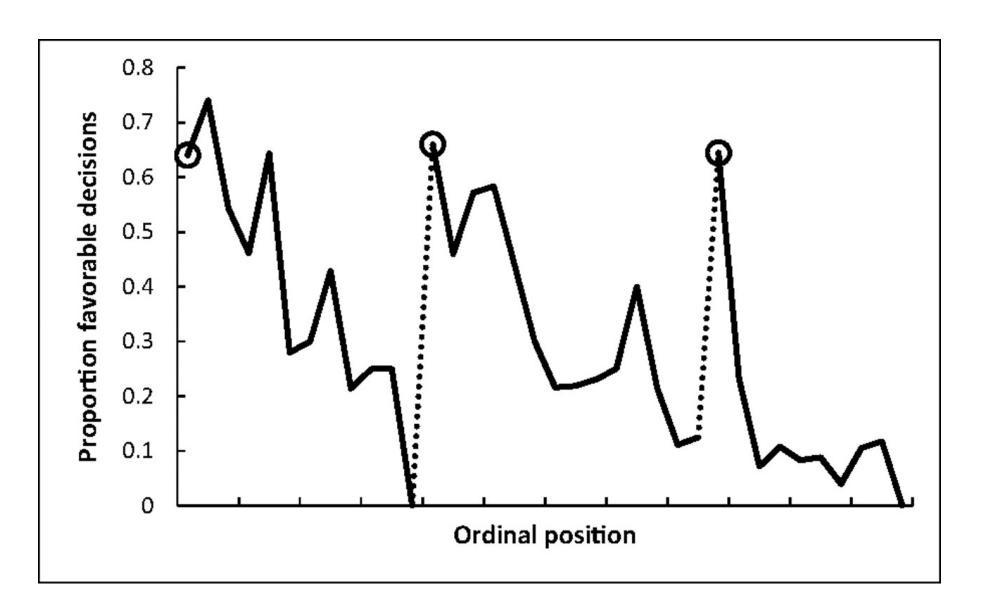


SHOWNOTES AVAILABLE AT:

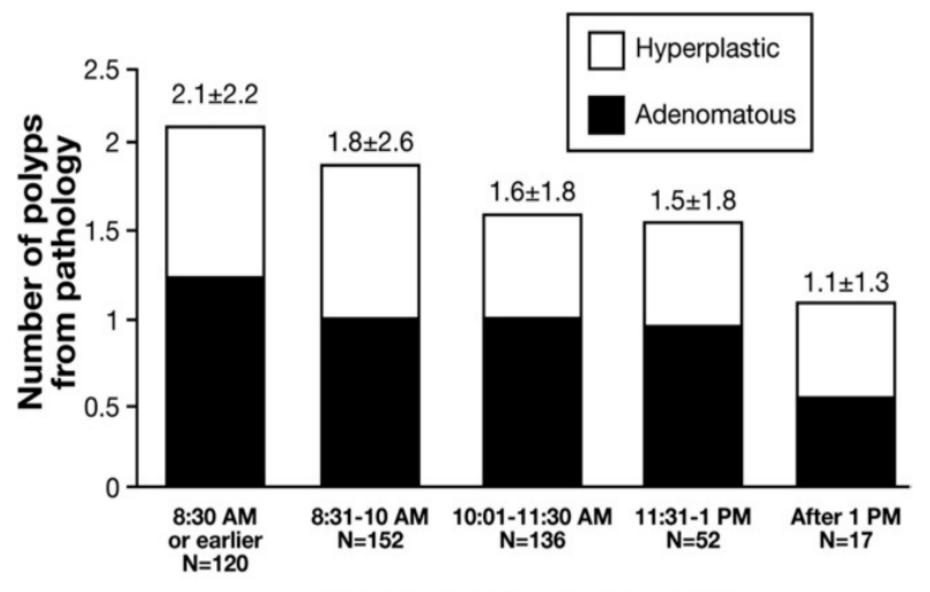
tinyurl.com/AAPAhoofbeats











Time of day of colonoscopy





*Cognitively offload



Geographic

Self imposed

- Anchor bias

-Availability

-Hot hand

-Search satisfaction

-Confirmation

-Inexperience

-Geography







Geographic

Self imposed

- Anchor bias

-Availability

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-Geography

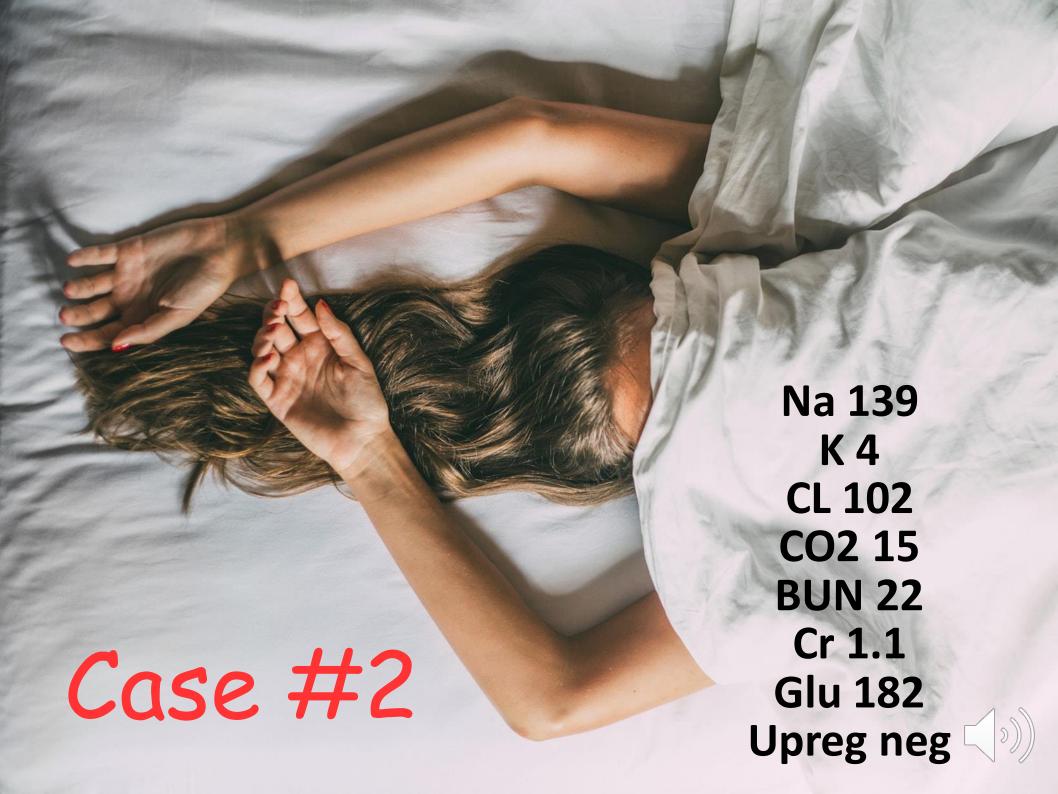


*Cognitively offload











Geographic

Self imposed

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-Geography



*Cognitively offload





Geographic

Self imposed

- Anchor bias

-Availability

-Hot hand

-Search satisfaction

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*Cognitively offload



Geographic

Self imposed

- Anchor bias

-Availability

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-Search satisfaction

-Confirmation

-Inexperience

-Geography



*Cognitively offload





THANK YOU!!

SHOWNOTES: tinyurl.com/AAPAhoofbeats

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FEEL FREE TO REACH OUT!



Heuristics & Hoofbeats: Overcoming Cognitive Errors in Medicine

AAPA 2021 Patrick Bafuma RPAC Central Coast, CA

Common causes of cognitive errors:

You do not rise to the occasion. You fall to the level of your training.

-Anchor bias

"this feels exactly like my last heart attack." (then missing their cholecystitis)

-Gambler's fallacy / hot hand / past events influence future events

During flu season, pt states, "I have the flu" (then missing their myocarditis)

"I just saw a case like this the other day."

-Availability bias

missed bacteremia in a cirrhotic because you dont see many cirrhotics, or only see them in the ED

-Search satisfaction / confirmation bias

"I found a UTI! we're done." (then miss their endocarditis when the UA grows out Staph Aureus)

-Diagnostic momentum

"All the consultants say its X, so its gotta be X!"

-Geography is destiny

For example, a patient is in COVID unit, so you subconsciously look for reasons to not send to CT since it would take down the CT scanner for an hour for decontamination.

- FATIGUE

How to combat them:

Chance favors the prepared mind

- -Learn how to learn
 - -learn to navigate Social Media / blogs, QxMD, EMRAP, etc ALWAYS push yourself to learn more -seek feedback & follow up on your patients
 - -establish a culture of positive/healthy feedback- journal club, chart review, case review
- -Cognitive offload. Often.
 - frequent breaks, bedside ultrasound, delegate tasks, Mdcalc, & write out a systems based ddx,
- -Explain abnormalities and recognize when there may be false positive/negatives

-for example, the beta-blocked patient may not mount a tachycardia.

- -Utilize checklists / systems based approach for a broad ddx
 - -cardiac? CNS? GU? Vascular? Deep space infection? Etc....
- -For the weird, wild, and wonderful, some prefer the VINDICATES pneumonic:

VINDICATESS: Vascular, Infection, Neoplastic, Drugs / toxins, Inflammatory / Idiopathic, Congenital, Autoimmune, Trauma, Endocrine / Environmental, Something else / pSychological

Feel free to contact me!

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Selected Resources:

https://www.rcpe.ac.uk/sites/default/files/jrcpe 48 3 osullivan.pdf

https://emergencymedicinecases.com/episode-11-cognitive-decision-making-medical-error/

http://www.emdocs.net/cognitiveload/

https://link.springer.com/book/10.1007%2F978-3-319-93224-8#toc