

EMERGENCY MEDICINE COGNITIVE TOOLBOX



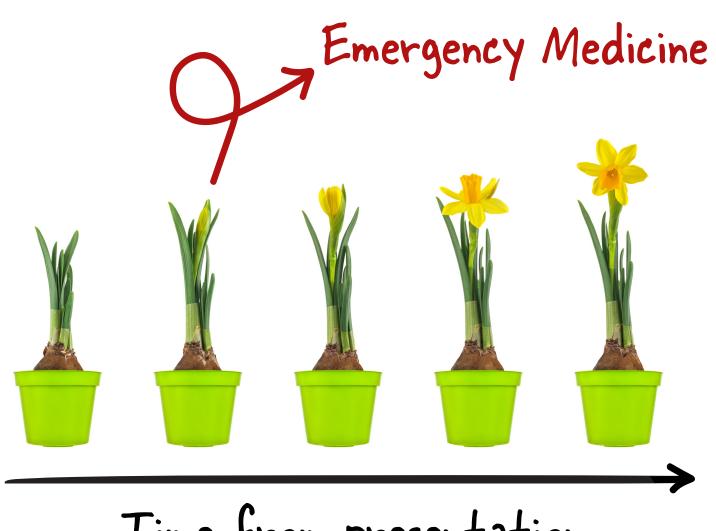
WHAT PROBLEM DO EMERGENCY PHYSICIANS NEED TO SOLVE?



PROBLEM #1 THE WHEN CAN BE JUST AS IMPORTANT AS THE WHAT...

PROBLEM #2

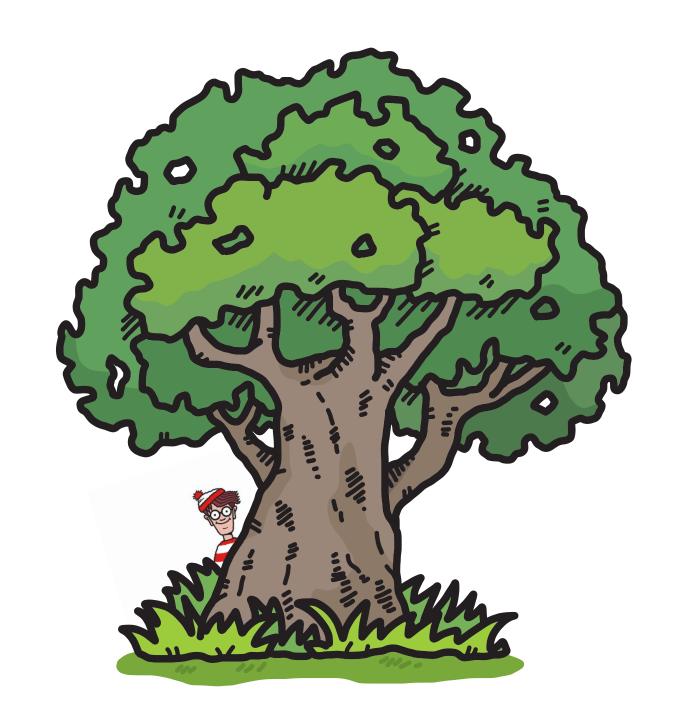
DIAGNOSTIC
CLARITY
VS TIME...

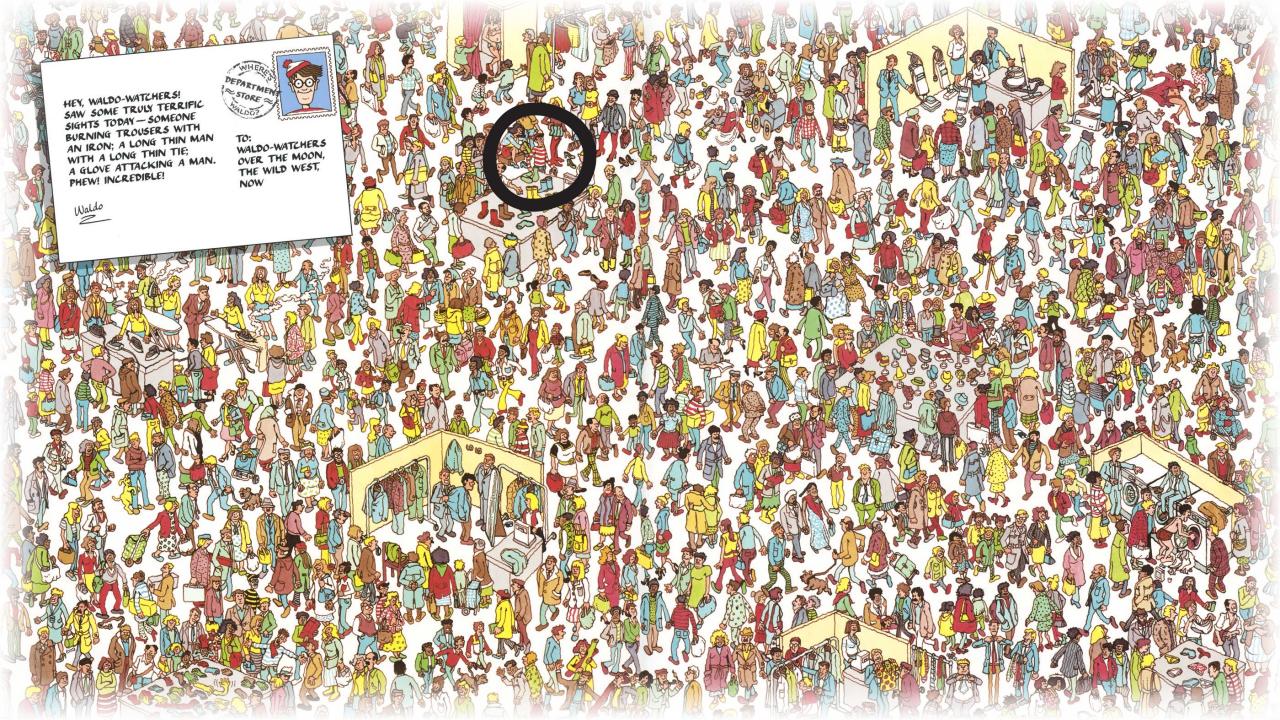


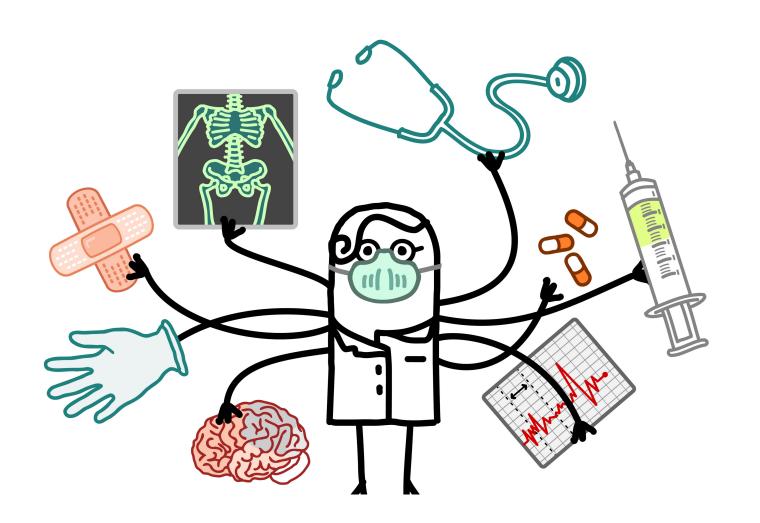
Time from presentation

PROBLEM #3:

THE EASIEST WAY TO HIDE SOMETHING...







PROBLEM #4

INTERRUPTIONS
Q 5 MINUTES
(LITERALLY...)

THE SCIENCE OF EXPERTISE



QUANTUM LEARNING LEAP?

65934204323667230\205385437623756257493530479882089202235675
025749353047289806478923820854376237569202857463439573022500228
5725934204323667230\20538569202857465934204323667230\20538\440252
749353047289806478923820934204323667230\2053834395730572025822957883
20257493530472898064789238208543762379573057202574935395730572022959245
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323667230\2053804728980647892382085437623756920285746343957302250383236672302250383\94\83

"What sets experts apart is the quality and quantity of their mental models..."

ACQUISITION OF NEW MENTAL MODEL!

65934204323667230\205385437623756257493530479882089202235675
025749353047289806478923820854376237569202857463439573022500228
5725934204323667230\20538569202857465934204323667230\20538\440252
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WHEN THEY TAUGHT THE NEXT PERSON...

65934204323667230 \205385437623756257493530479882089202235675
025749353047289806478923820854376237569202857463439573022500228
5725934204323667230 \20538569202857465934204323667230 \20538 \440252
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THE QUANTUM LEAP CAME FASTER!

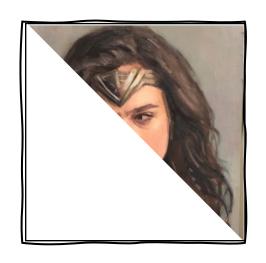
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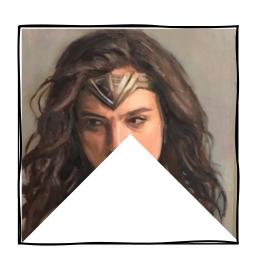
792305720257493530472898064789228574653820854376263078863

3820854376237569202878574935304798064572\0532\278923439573 7857493530479806478923820854376237569202834395730572\0532\2 706478923202857465934204323667230\2053802574\\890\90533439573 1593420432366723012053854376237562574935304798820892022356755 3343957305706478923202857465934204323667230\2053802574\\890\905 925749353047289806478923820854376237569202857463439573022500228 0725934204323667230\20538569202857465934204323667230\20538\440252 049353047289806478923820934204323667230\205383439573057202582295788 143762375692028574655692028574659342043236672301205383439573087992312 20257493530472898064789238208543762379573057202574935395730572022959245 98064789238208543762375692028343957305720257493530472857465934204883384\84 47230\20538343647892382085437623756920285746343957302250386672205380472898022 053804728980647892382085437623756920285746343957302250383236672002\86323667230\2 30120538047289806478923820854376237569202857463439439573022503832366723022503831941

LEARNING ISN'T LINEAR









LEARNING HAPPENS IN LAYERS











5 CONCEPTS TO START BUILDING EMERGENCY MEDICINE MENTAL MODELS



CONCEPT ONE

SICK OR NOT SICK





CONCEPT I WO



How to perform a rapid history and physical exam without missing anything...?

STRATEGIC FOCUS



MANANANANANANANAN

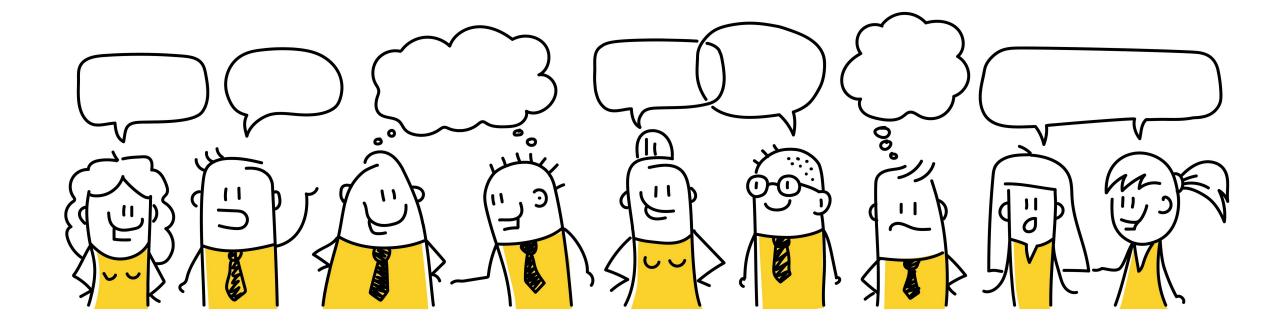
THREE PARTS OF A FOCUSED H&P

- 1. What is the ACTUAL chief complaint?
- 2. What is the emergency medicine differential diagnosis for that chief complaint?
- 3. What are the "red flag" signs & symptoms for that differential diagnosis?

Internal Medicine = Epic Novel

Surgery = The Cliff's Notes version

Emergency Medicine = Newspaper article



"All the News That's Fit to Print."

The New York Times.

WOLL LEL NO. 1980G

NEW YORK, TUESDAY, APRIL 16, 1912.-TWENTY-FOUR PAGES.

Critical relevant details

TITANIC SINKS FOUR HOURS AFTER HITTING ICEBERG; -866 RESCUED BY CARPATHIA, PROBABLY 1250 PERISH; ISMAY SAFE, MRS. ASTOR MAYBE, NOTED NAMES MISSING.

Col. Astor and Bride. Isidor Straus and Wife. and Maj. Butt Aboard.

!"RULE OF SEA" FOLLOWFD

Women and Children Put Over in Lifeboats and Are Supposed to be Safe on Carpathia

anager of the Line Insisted Titanic Was Unsinkable Even After She Had Gone Down.

HEAD OF THE LINE ABOARD

Gigantic Ship That Was to Surpass All Others.

The admission that the Titanic, the biggest steamship in the world, had been sunk by an iceberg and had gone to the bottom of the Atlantic, probably

The Lost

Then P. A. S. Franklin, Vice Preside

Additional details and supporting data

st Liner Plun. to the Bottom at 2:20 A. M.

RESCUERS THERE TOO LATE

Except to Pick Up the Few Hundreds Who Took to the Lifeboats.

WOMEN AND CHILDREN FIRST

Cunarder Carpathia Rushing to New York with the Survivors.

SEA SEARCH FOR OTHERS

he California Stands By on Chance of Picking Up Other Boats or Rafts.

PIC SENDS THE NEW

to Shore After the

LATER REPORT SAVES 866.

BOSTON, April 15 .-- A wireles message nicked up late to-night relayed from the Olympic, says that the Carpathia is on her way to New York with 865 bassenger from the steamer Titanic aboard They are mostly women and chi

Harbor.

Bottom-line up front

Key info still needed

Best current assessment



CONCEPT THREE

DURING AN EMERGENCY DEPARTMENT VISIT, THERE ARE 2 THINGS YOU NEED TO DO:

DISPOSITION

#2 TIME DEPENDENT INTERVENTIONS

*Note: one of these things is NOT a definitive diagnosis!

OUR JOB IN THE ED...



What the patient does NOT have



CONCEPT FOUR



NOT MULTI-TASKING...

RAPID TASK
SWITCHING!





IT'S NOT YOUR JOB TO KNOW EVERYTHING ABOUT EVERY PATIENT EVERY TIME...



YOUR JOB IS NOT TO MISS ANYTHING BIG

YOUR TIME IS A ZERO SUM GAME





WHICH MISSES MATTER MOST?



CONCEPT FIVE



YOU ARE THE DECIDER!

KEY DECISION POINTS?





AND FINALLY...

KNOW WHEN YOU KNOW

MORE IMPORTANTLY...

KNOW WHEN YOU DON'T!



Don't let feelings get in the way of thinking...







INEVITABLY. YOU WILL MAKE MISTAKES

BE HUMBLE. BE CURIOUS. BE TENACIOUS

