

MICHAEL SCHICK DO, MA AIUM 2018

GLOBAL ULTRASOUND EDUCATION

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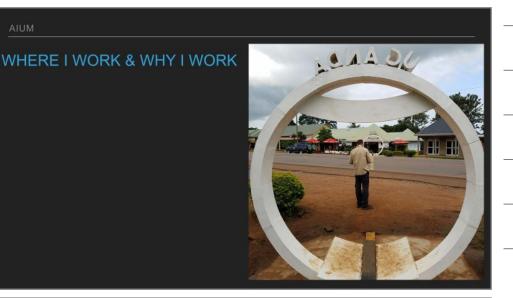
DISCLOSURES

None

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OBJECTIVES

- Global Ultrasound Education
 - Strategies for success in the low resource environment
 - What Works
 - What Doesn't





WHAT DOESN'T WORK

2 of 12

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EQUIPMENT IS NOT THE PROBLEM





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DON'T JUST SHOW UP

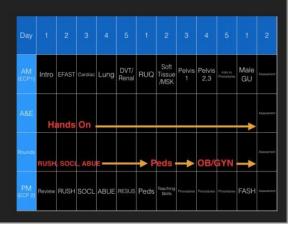
- Approach it like any other rigorous educational program
 - Goals
 - Objectives
 - Local expectations



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CURRICULUM PLAN

- Is your trip part of a larger effort?
 - Can it be?
- Think big and think long term
- Select the core materia
- Select the expanded material
- Knowledge, skills, behavio



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THE CHALLENGE OF THE NEEDS ASSESSMENT

- Equipment
- Needs of learners
- Needs of health system
- Wifi
- English mastery



Greetings, I am Dr. Schick.

Greetings, Thank you.

I have questions: 1-10.

Yes, that sounds wonderful.

I have questions: 1-2.

Here are part of the answers you seek.

Let me try to ask different questions 3-4.

I am a bit tired of answering your many questions.

DON'T BE ON YOUR SCHEDULE

Do plan for things to take extra time

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MAKE YOUR MATERIALS -DON'T MAKE ASSUMPTIONS

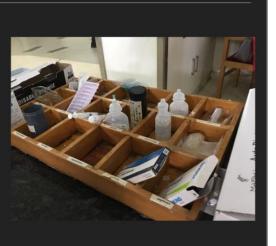
- Analogies and examples
- Medical knowledge
- Experience with ultrasound
- Emphasize how to generate an optimize images



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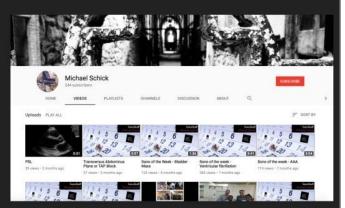
DON'T WASTE TIME

- Be prepared
- Don't teach things that they don't need
 - Aorta
 - DVT
 - Pelvic
 - Procedure
- Understand the scope of teaching and resources available



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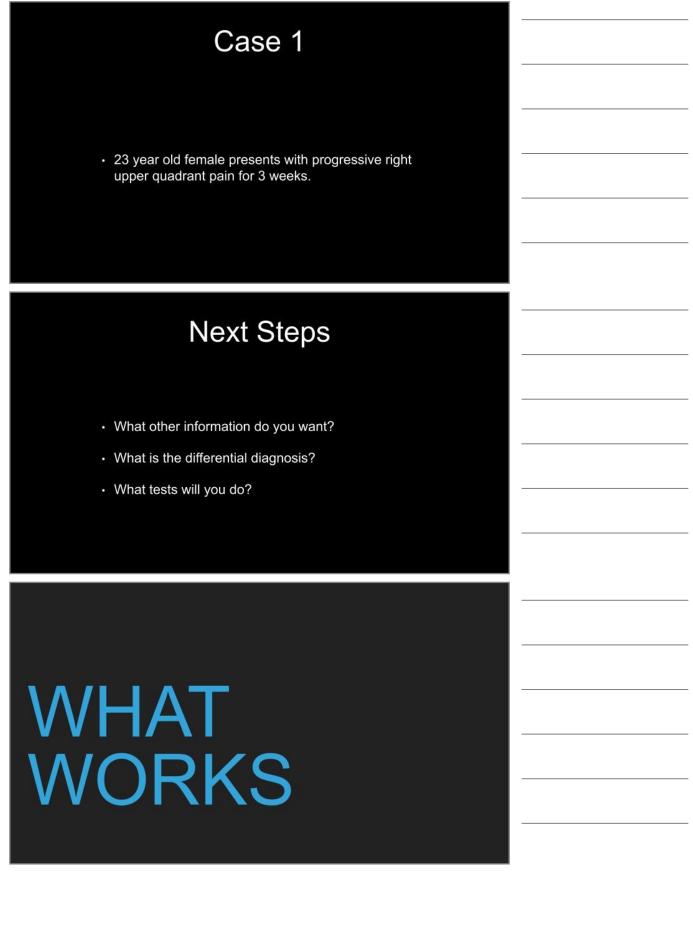
FLIPPING THE CLASSROOM





SHORT AND SWEET SMALL WORDS NO MEDICAL JARGON CASE BASED - WITH LOCAL FLARE

DON'T APPROACH LECTURES THE SAME WAY



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ACTIVE ASSESSMENT

- Knowledge level
- Learner needs
- Breaks the shell

Artifacts	Probes	Terms	More Artifacts!	Random
1	1	1	1	1
2	2	2	2	2
3	3	<u>3</u>	<u>3</u>	<u>3</u>
4	4	4	4	4
5	5	<u>5</u>	<u>5</u>	5

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ACTIVE LEARNING

- Team based learning
- Problem based learning
- Gamification
- White boards
- Laser pointers
- Competition

FAST	GB	KIDNEY	AORTA	FEMALE GU	LUNG	ECHO
1	1	1	1	1	1	1
2	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>	<u>3</u>
<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>	<u>4</u>
<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>



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MAKE IT HANDS ON

- In your department
- Hit the wards
- Standardized patients
- Simulation





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DELEGATING RESPONSIBILITY

- Teaching is a great way to lear
- We all have to teach
- We should all be working to put ourselves out of a job





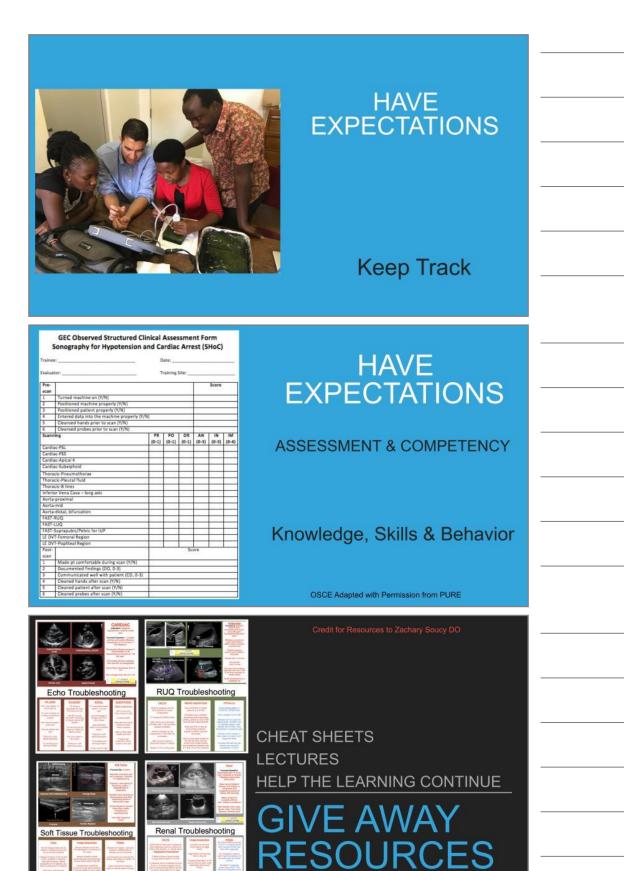
MAKE IT LOCALLY FOCUSED

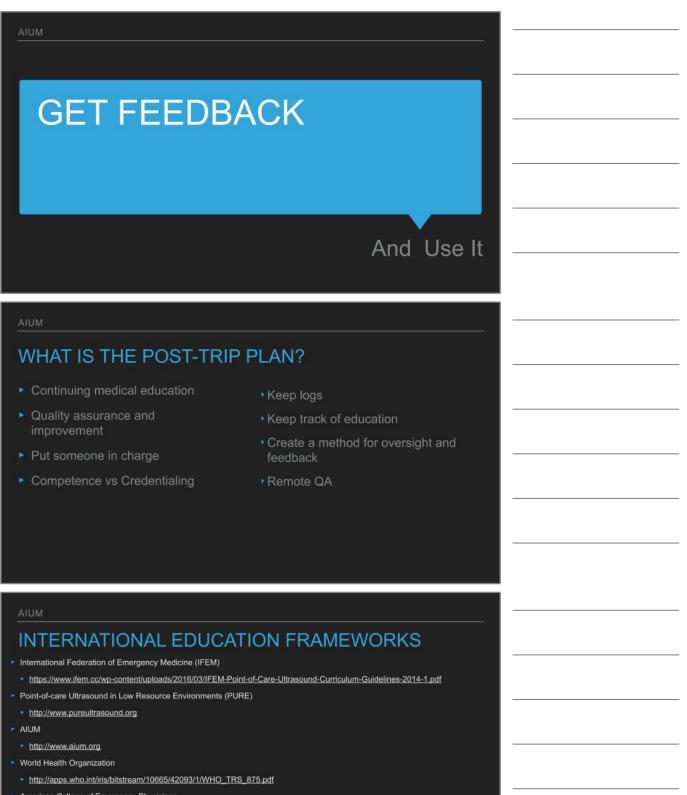
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- Infectious Disease
- SHoC: Sonography for Hypotension and Cardiac Arrest
- FASH: Focused Assessment of Sonography for HIV and extrapulmonary tuberculosis
- ABUE: Abdominal Assessment for Undifferentiated distention or pain
- SOTL: Sonography of Thorax and Lung



Getting my "hands-on experience" with our USG Instructor Dr. Mike. MAKE IT LEARNER FOCUSED





- American College of Emergency Physicians
 - https://www.acep.org/Clinical---Practice-Management/Ultrasound/#sm.00001ibx7dwn2vf3puiejxcsi3uki
- Global Emergency Care
- https://www.globalemergencycare.org

