Just-in-Time Teaching
Teaching of Tomorrow
November 2018

Objectives:
• Learners will be able to:
  1. define just-in-time training for teaching of tomorrow.
  2. identify teachable moments and encourage self-questions by utilizing active learning techniques.
  3. use case-based teaching scenarios to implement just-in-time teaching with learners in various settings.

Teaching & Learning
• “...the student tries to learn too much, and we the teachers try to teach him too much – neither, perhaps, with great success.”
  William Osler, M.D.
Facts Machines

Healthcare >> facts

WHAT IS JITT?

• Targeted high-
yield relevant

Define JITT for TOT

1. Clarity of expectations & understanding
   DTaP vs. Tdap

2. Deliberate practice

JiTNA

METHODS:

• Explicit Teaching
• General Rules
• Approach
• Context

Deeper Learning

• Hypotheticals
• Self-questions
“...the time at which learning a particular topic or idea becomes possible (or easiest).”
- Robert Havigurst

Human Development and Education
1952

“This is what we in the training department call a teachable moment.”

Remember…

Mistakes = Teaching Moments
(pssst! They also alert you to do a Needs Assessment)

What can JITT offer?

- Applying concepts → Minimize memorization!
- Personalizing knowledge → Reconstructing ideas and concepts
- Building curiosity → Self-questions
- Developing metacognition → Reflections on learning
Effective JITT Questions…

• Activate prior knowledge and experience.
• Not easily looked up.
• Require a response in their own words.
• Ambiguous…require learner to supply some additional information not explicitly given.


LET'S TRY IT!
3rd year med student
• 2nd week
• Outpatient clinic

Patient:
9yo male with asthma history presents to clinic with cough.

CASE 2:
5yo daughter
• Home on “snow day”
• Wants to cook lunch
CASE 3
RN student doing clinical work in the ED.

Patient:
21yo college student presents to ED for dehydration. Got a bolus of IVF and is started on maintenance fluid in observation unit.

CASE 4
At pediatric morning report...

Talking about case of 12-month-old infant admitted last night:

Learner reports patient's vitals, including weight:

20 kg

CASE 5
In the ED with senior resident.

Patient is 5mo male with acute onset not moving right arm.

Resident diagnoses a right nursemaid's elbow but could not reduce it despite 2 attempts.
SUMMARY

JiTT

• Targeted teaching of high yield information that is relevant to THIS learner at THIS time.

• Focused, explicit teaching & encourage deeper learning.

• This IS deliberate practice!

(…and you are modeling this for your learners!)

QUESTIONS?

Thank You!