Just-in-Time Teaching

Teaching of Tomorrow
November 2016
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?

1. Clarity of expectations & understanding
2. Deliberate practice!

Define JiTT for TOT

DTaP vs. Tdap

Targeted yield relevant high-
METHODS:

Deeper Learning

› Explicit Teaching
  – General Rules
  – Approach
  – Context

› Hypotheticals
› Self-questions
TEACHABLE MOMENTS

“…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 → Reconstructing ideas knowledge and concepts
  › Building curiosity → Self-questions
  › Developing → Reflections on learning metacognition
Effective JıTT 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
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?
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https://padlet.com/pjsell/TOTINov2017