

## **Resident Assessment in the Outpatient Setting: Challenges and Opportunities**

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### Workshop Description:

This workshop will engage participants in a collaborative discussion regarding resident assessment in the ambulatory clinics. Challenges, successes, and opportunities for enhanced resident assessment in the outpatient setting will be discussed, including exploration of a multifaceted assessment strategy that incorporates direct observation, group assessment, 360-degree evaluation, patient satisfaction, and quality of care measurements. Opportunities for longitudinal assessment and remediation in the continuity clinic setting will also be discussed. We will share lessons learned and successes in one such model and will also explore opportunities for increased clinical faculty involvement in longitudinal advising and competency reviews.

### Educational Objectives:

By the end of the workshop, participants will:

1. Be able to identify advantages and opportunities for resident assessment that are unique to the outpatient setting.
2. Be able to describe a coherent system that incorporates multifaceted modalities for enhanced resident assessment in the outpatient setting, including elements of direct observation, group assessment, 360-degree evaluations, patient satisfaction, quality of care measurement, longitudinal assessment, and remediation.
3. Become familiar with opportunities for enhanced outpatient faculty involvement in longitudinal advising relationships and competency reviews.

### Workshop Deliverable or "Take Home Tool":

Workshop participants will develop a new understanding of the importance of the ambulatory clinics in resident assessment and will bring home new ideas to enhance resident assessment in the outpatient setting.

## WORKSHOP OUTLINE- “The Roadmap”

- I. Introduction and Welcome
- II. Resident Case #1
- III. Resident Case #2
  - a. Diagnosing the Learner- Assessment Tools
  - b. Longitudinal Assessment and Remediation
- IV. Wrap-Up/Future Directions

References:

Epstein RM. Assessment in Medical Education. *N Engl J Med* 2007;356:387-96.

Chaudhry SI, Holmboe E, Beasley BW. The state of evaluation in internal medicine residency. *J Gen Intern Med* 2008; 23(7):1010-5.

Holmboe ES, Hawkins RE. Methods for evaluating the clinical competence of residents in internal medicine: a review. *Ann Intern Med* 1998;129(1):42-8.

Miller GE. The assessment of clinical skills/competence/performance. *Acad Med* 1990;65(9 Suppl):S63-7.

Norcini JJ, Blank LL, Duffy D, Fortna GS. The Mini-CEX: A Method for Assessing Clinical Skills. *Ann Intern Med* 2003;138:476-481.

Holmboe ES, Huot S, Chung J, Norcini J, Hawkins RE. Construct validity of the MiniClinical Evaluation Exercise (MiniCEX). *Acad Med* 2003;78:826-830.

Holmboe ES, Hawkins RE, Huot SJ. Effects of training in direct observation of medical residents' clinical competence. *Ann Intern Med* 2004;140:874-881.

Hemmer PA, Hawkins R, Jackson JL, Pangaro LN. Assessing how well three evaluation methods detect deficiencies in medical students' professionalism in two settings of an internal medicine clerkship. *Acad Med* 2000;75(2):167-73.

Hemmer PA, Grau T, Pangaro LN. Assessing the effectiveness of combining evaluation methods for the early identification of students with inadequate knowledge during a clerkship. *Med Teach* 2001;23(6):580-584.

Bowen JL. Educational strategies to promote clinical diagnostic reasoning. *N Engl J Med* 2006;355:2217-25.

Kassirer, Jerome P and Kopelman, Richard I. *Learning Clinical Reasoning*. Williams & Wilkins. 1991.

Bordage G. Elaborated knowledge: a key to successful diagnostic thinking. *Acad Med* 1994; 69:883-85.

Eva KW. What every teacher needs to know about clinical reasoning. *Med Educ* 2005;39:98-106.

Norman G. Research in clinical reasoning: past history and current trends. *Med Educ* 2005;39:418-27.