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Team-Based Learning & Clinical Reasoning in Resident Board Review– The Perfect Marriage

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1. Review the standard vehicle/model of board review and its limitations
2. Demonstrate how the blend of adult learning theory with interactive learning can increase retention of information.
3. Highlight the efficacy of blending team-based learning with elements of test-taking strategy during board review sessions

Board review is a recognized educational staple in many internal medicine training programs. The classic format employs a standard review of multiple choice questions (MCQ) in the following format:

- Ask Question
- Query Audience for Answer

Limitations:
- Focuses on the end-product (right vs. wrong) instead of the process and often only affirms what residents know (or not)
- Minimal opportunity for discourse of clinical reasoning
- Minimal opportunity for faculty to evaluate and provide feedback on reasoning processes
- Few if any occasions to provide corrective insights to promote knowledge retention

THE PROBLEM
Board review redesign based on adult learning theory and principles of Team-Based Learning (TBL) in the following format:

- Residents independently take 20 question exam
- Answers revealed & discussed in 5 question intervals
- Management pearls and caveats to questions discussed

Participants 10 PGY 1 – PGY 3 residents in 1 group

Timing March-June, 1 session / month

Format of session

- Group Readiness Assurance Test (GRAT) taken after group discussion
- General internists chosen as instructors based on resident feedback and request for teachers being similar to test-takers
- Elements of test-taking strategy and clinical reasoning developed in advance

Facilitators Subspecialty fellows and attending physicians

Learning Principles Active learning, TBL, active learning, social learning theory, constructivist learning theory

RESULTS

Figure 1: Percentage correct answers from IRAT to GRAT for one selected session

Figure 2: Model of revised Board Review

REFERENCES
2. MKSAP 16. 2013 American College of Physicians, Inc.