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56 Rosh Review as a Predictive Instrument for ABEM ConCert™ Exam Performance

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Background: Rosh Review is an online educational platform centered around a bank of board-style multiple choice questions. Prior work in educational psychology demonstrates the effectiveness of practice testing as a study technique and a strong correlation between the number of practice questions answered and standardized exam scores. Passing both the initial qualifying exam and the ConCert exam are required for ongoing board certification in emergency medicine.

Educational Objectives: To increase learners- exposure to realistic practice questions during their preparation for these exams, we made Rosh Review available to physicians preparing for recertification. The objective was to help learners identify their areas of strength and weakness, provide them with targeted education across multiple content areas, and, ultimately, improve their exam performance.

Curricular Design: Progress through the question bank is primarily self-guided, although residency program directors have the ability to assign "mini-tests" to residents pertaining to a particular area of the Model of the Clinical Practice. Leaners may answer questions from specific categories or at random from the entire pool of questions. Most users eventually answer all of the >1000 questions. To aid learners in self-assessment of their preparedness for board examination, we developed a regression model utilizing a standard correction factor to convert Rosh Review results to projected ABEM exam performance.

Effectiveness: Using survey data from 220 examinees who utilized Rosh Review as part of their overall study approach for the 2013 ConCert exam, we demonstrated that Rosh Review's model was 98.8% accurate in predicting that a user would pass their board exam. The mean difference between Rosh Review's predicted score and the user's actual score was 2.5 points (95% CI 1.4-3.6). This suggests that Rosh Review questions are both representative of and meaningful preparation for the ABEM ConCert examination.