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“Skills in Pediatric Anesthesia: A Simulation-Based Assessment Program”

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Summary: The safe provision of anesthesia and sedation to children is a universally accepted goal; however, there is not uniform agreement regarding who should provide pediatric care, what training is sufficient for this task, and what constitutes acceptable performance. The FAER sponsored study, “Skills in Pediatric Anesthesia: A Simulation-Based Assessment Program”, involves the creation of scenarios of simulated pediatric patients undergoing anesthesia in order to assess the skill levels of residents in various stages of anesthesiology training. The trainees will encounter lifelike high-fidelity pediatric mannequins with real time vital sign monitoring which they will have to evaluate, diagnose and manage. This project has the potential to enhance the evaluation of competency to deliver anesthetics to children through development of a simulation-based assessment of pediatric anesthesia skills. This evaluative method could ultimately have an impact on how other pediatric specialists assess the skills and performance of physicians who care for children.