

TOP 10 SIMULATION ARTICLES 2010 – YEAR IN REVIEW

Jeffrey Groom, PhD, CRNA

**Director and Associate Professor - Anesthesiology Nursing
Florida International University, Miami, FL**

This presentation will review 10 Topical, Original, and Practical articles from the 2010 indexed and peer-reviewed simulation literature. A brief synopsis of each article and its application to patient simulation for nursing and healthcare educators will be discussed. Observations about the breadth and future of simulation research and the simulation literature will also be addressed. The reference citations for the articles to be discussed are listed below.

- Adler MD, Vozenilek JA, Trainor JL, Eppich WJ, et. al. Comparison of Checklist and Anchored Global Rating Instruments for Performance Rating of Simulated Pediatric Emergencies. *Simulation in Healthcare*. 2010; published ahead of print. doi:10.1097/SIH.0b013e318201aa90.
- Boulet JR, Murray DJ. Simulation-based assessment in anesthesiology: requirements for practical implementation. *Anesthesiology*. 2010;112:1041–52.
- Burns HK, O'Donnell JM, Artman J. High-fidelity simulation in teaching problem solving to 1st-year nursing students: A novel use of the nursing process. *Clinical Simulation in Nursing*. 2010; 6: e87-e95.
- Brydges R, Carnahan H, Rose D, Rose L, Dubrowski A. Coordinating Progressive Levels of Simulation Fidelity to Maximize Educational Benefit. *Academic Medicine* 2010;85:806-812.
- Elfrink VL, Kirkpatrick B, Nininger J, Schubert C. Using Learning Outcomes to Inform Teaching Practices in Human Patient Simulation. *Nursing Education Perspectives*. 2010;31(2):97-100.
- Endacott R, Scholes J, Buykx P, Cooper S, Kinsman L, McConnell-Henry T. Final-year nursing students' ability to assess, detect and act on clinical cues of deterioration in a simulated environment. *Journal of Advanced Nursing*. 2010;66(12):2722-2731.
- Gantt LT. Using the Clark Simulation Evaluation Rubric with Associate Degree and Baccalaureate Nursing Students. *Nursing Education Perspectives*. 2010;31(2):101-105.
- Kardong-Edgren S, Adamson KA, Fitzgerald C. A review of currently published evaluation instruments for human patient simulation. *Clinical Simulation in Nursing*. 2010;6:e25-e35.
- McGaghie WC, Issenberg SB, Petrusa ER, Scalese RJ. A critical review of simulation-based medical education research: 2003–2009. *Medical Education*. 2010;44:50–63.
- Swygert KA, Balog KP, Jobe A. The Impact of Repeat Information on Examinee Performance for a Large-Scale Standardized-Patient Examination. *Academic Medicine* 2010;85:1506-1510.

Additional reference will be made to the following articles in the course of the presentation discussion.

- Weidman EK, Bell G, Walsh D, Small S, Edelson DP. Assessing the impact of immersive simulation on clinical performance during actual in-hospital cardiac arrest with CPR-sensing technology: A randomized feasibility study. *Resuscitation*. 2010 Nov;81(11):1556-61.
- Wayne DB, McGaghie WC. Use of simulation-based medical education to improve patient care quality. *Resuscitation*. 2010; Nov;81(11):1455-1456.

Contact information: jeffrey.groom@fiu.edu - Disclosures: jagTEAM Consulting LLC