Simulation Articles – April/May 2015

   This article explores pedagogical models when using ESP’s in simulated gynecologic procedural teaching and how this shapes the empathy of medical students during school.

   This study showed an increased level of confidence in trainees when looking at high-risk psychiatry patients.

   This article dives into Cognitive Load Theory and breaks it into 3 distinct dimensions: task fidelity, task complexity, and instructional support.

   This article talks about how surgery education is utilizing simulation more and more for resident performance assessment within the context of the “milestones” of the ACGME.

   This article discusses the 5 key areas for incorporating simulation into surgical curriculum and training.

   This study showed video-based and simulation-based instruction of ACLS was superior to didactic-based instruction. It also showed no difference in learning outcomes between low or high fidelity scenarios for novice learners.

   Interesting study showing that nursing students like training with surgery residents, but surgery residents prefer experienced nurses.
   Nice article describing the 13 best practices for debriefing to support learning for all team members.

   This article discusses the effectiveness of simulation-based crisis resource management training for interprofessional and interdisciplinary teams.

    This systematic review showed surgical coaching having a positive impact on junior learners, both for technical and non-technical skills.

    This study demonstrated feasibility of a standardized simulation training program for geriatrics.

    This study evaluated using game cards to introduce challenges in teamwork and communication during simulations.

    This study describes the steps to implementing a multi-modal simulation-based curriculum for surgical residency for managing trauma and critical care patients.

    This study showed that simulation-based training is an effective technique for improving nontechnical skills of surgical residents.
15. **Briefing and debriefing during simulation-based training and beyond:**
   content, structure, and attitude, and setting -
   
   *This article discusses steps to minimize risks associated with debriefing*

16. **Educational science meets simulation** -
   
   *This article highlights the important educational benefits of simulation*

17. **Students’ perceived benefits of pre-clinical simulation based training (PSBT) on enhancing patient safety and clinical learning outcomes** -
   
   *This study found that implementing pre-clinical based simulation training improved confidence in patient safety skills.*

18. **Tips for the use of simulation to maintain competency in performing high-risk/low-frequency procedures** -
   
   *This article discusses the benefits of using simulation for training competencies in high-risk/low-frequency procedures.*