OFFICE OF INTERPROFESSIONAL SIMULATION FOR INNOVATIVE CLINICAL PRACTICE

Knowledge that will change your world

Simulation Articles – April/May 2015

1. **Playing doctor: Simulation in medical school as affective practice -** http://www.ncbi.nlm.nih.gov/pubmed/26022187
   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

2. **The PsycheSimCentre: Teaching out-of-hours psychiatry to non-pyschiatrists** - http://www.ncbi.nlm.nih.gov/pubmed/26016890
   This study showed an increased level of confidence in trainees when looking at high-risk psychiatry patients.

3. **The evolution of cognitive load theory and its application to medical education** - http://www.ncbi.nlm.nih.gov/pubmed/26016429
   This article dives into Cognitive Load Theory and breaks it into 3 distinct dimensions: task fidelity, task complexity, and instructional support.

4. **Gearing up for milestones in surgery: Will surgery play a role?** - http://www.ncbi.nlm.nih.gov/pubmed/26013987
   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.

5. **Expanding simulation-based education through institution-wide initiatives: A blueprint for success** - http://www.ncbi.nlm.nih.gov/pubmed/26013982
   This article discusses the 5 key areas for incorporating simulation into surgical curriculum and training.

6. **A comparison of teaching modalities and fidelity levels in teaching resuscitation scenarios** - http://www.ncbi.nlm.nih.gov/pubmed/26002536
   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.

7. **Are nursing students appropriate partners for the interdisciplinary training of surgery residents?** - http://www.ncbi.nlm.nih.gov/pubmed/26002533
   Interesting study showing that nursing students like training with surgery residents, but surgery residents prefer experienced nurses.

8. **Enhancing the effectiveness of team debriefings in medical simulation: more best practices** - http://www.ncbi.nlm.nih.gov/pubmed/25977127
   Nice article describing the 13 best practices for debriefing to support learning for all team members.

9. **Impact of crisis resource management simulation-based training for interprofessional and interdisciplinary teams: a systematic review** - http://www.ncbi.nlm.nih.gov/pubmed/25973615
   This article discusses the effectiveness of simulation-based crisis resource management training for interprofessional and interdisciplinary teams.

10. **Systematic review of coaching to enhance surgeon's operative performance** - http://www.ncbi.nlm.nih.gov/pubmed/25956742
    This systematic review showed surgical coaching having a positive impact on junior learners, both for technical and non-technical skills

11. **Evaluation of a simulation training program for geriatric medicine** - http://www.ncbi.nlm.nih.gov/pubmed/25953500
    This study demonstrated feasibility of a standardized simulation training program for geriatrics.

12. **Introducing teamwork challenges in simulation using game cards** - http://www.ncbi.nlm.nih.gov/pubmed/25932705
    This study evaluated using game cards to introduce challenges in teamwork and communication during simulations

13. **A simulation curriculum for management of trauma and surgical critical care patients** - http://www.ncbi.nlm.nih.gov/pubmed/25921186
    This study describes the steps to implementing a multi-modal simulation-based curriculum for surgical residency for managing trauma and critical care patients.

14. **Simulation improves non-technical skills performance of residents during the perioperative and intraoperative phases of surgery** - http://www.ncbi.nlm.nih.gov/pubmed/25911460
    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** -
http://www.ncbi.nlm.nih.gov/pubmed/25902470
This article discusses steps to minimize risks associated with debriefing

16. **Educational science meets simulation** -
http://www.ncbi.nlm.nih.gov/pubmed/25902461
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** -
http://www.ncbi.nlm.nih.gov/pubmed/25890680
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** -
http://www.ncbi.nlm.nih.gov/pubmed/25856449
This article discusses the benefits of using simulation for training competencies in high-risk/low-frequency procedures.