

## Recent publications in Simulation Based Education, April - June 2017

### Anesthesia:

- Alsaad AA, Bhide VY, Moss JL Jr, Silvers SM, Johnson MM, Maniaci MJ. Central Line Proficiency Test Outcomes after Simulation Training versus Traditional Training to Competence. *Ann Am Thorac Soc*. 2017 Apr;14(4):550-554. PubMed PMID: 28145736.  
<https://www.ncbi.nlm.nih.gov/pubmed/28145736>
- Magoon R, Sharma A, Ladha S, Kapoor PM, Hasija S. Simulation-based transthoracic echocardiography: "An anesthesiologist's perspective". *Ann Card Anaesth*. 2016 Jul-Sep;19(3):511-5. PubMed PMID: 27397457; PubMed Central PMCID: PMC4971981.  
<https://www.ncbi.nlm.nih.gov/pubmed/27397457>

### Emergency Medicine:

- Faudeux C, Tran A, Dupont A, Desmontils J, Montaudié I, Bréaud J, Braun M, Fournier JP, Bérard E, Berlengi N, Schweitzer C, Haas H, Caci H, Gatin A, Giovannini-Chami L. Development of Reliable and Validated Tools to Evaluate Technical Resuscitation Skills in a Pediatric Simulation Setting: Resuscitation and Emergency Simulation Checklist for Assessment in Pediatrics. *J Pediatr*. 2017 Apr 26. pii: S0022-3476(17)30467-5. PubMed PMID: 28456389.  
<https://www.ncbi.nlm.nih.gov/pubmed/28456389>
- Nadir NA, Bentley S, Papanagnou D, Bajaj K, Rinnert S, Sinert R. Characteristics of Real-Time, Non-Critical Incident Debriefing Practices in the Emergency Department. *West J Emerg Med*. 2017 Jan;18(1):146-151. doi: 10.5811/westjem.2016.10.31467. PubMed PMID: 28116028; PubMed Central PMCID: PMC5226751.  
<https://www.ncbi.nlm.nih.gov/pubmed/28116028>

### Family Medicine:

- Kim L, Hernandez BC, Lavery A, Denmark TK. Stimulating reflective practice using collaborative reflective training in breaking bad news simulations. *Fam Syst Health*. 2016 Jun;34(2):83-91. PubMed PMID: 27077393.  
<https://www.ncbi.nlm.nih.gov/pubmed/27077393>
- DeCaporale-Ryan LN, Dadiz R, Peyre SE. Simulation-based learning: From theory to practice. *Fam Syst Health*. 2016 Jun;34(2):159-62. PubMed PMID: 27270248.  
<https://www.ncbi.nlm.nih.gov/pubmed/27270248>

### **Internal Medicine:**

- Bodamer C, Feldman M, Kushinka J, Brock E, Dow A, Evans JA, Bearman G. An Internal Medicine Simulated Practical Examination for Assessment of Clinical Competency in Third-Year Medical Students. *Simul Healthc*. 2015 Dec;10(6):345-351. PubMed PMID: 26650701; PubMed Central PMCID: PMC4675047.  
<https://www.ncbi.nlm.nih.gov/pubmed/26650701>
- Brydges R, Stroud L, Wong BM, Holmboe ES, Imrie K, Hatala R. Core Competencies or a Competent Core? A Scoping Review and Realist Synthesis of Invasive Bedside Procedural Skills Training in Internal Medicine. *Acad Med*. 2017 May 9. PubMed PMID:28489618.  
<https://www.ncbi.nlm.nih.gov/pubmed/28489618>

### **Neurology:**

- Richard S, Mione G, Varoqui C, Vezain A, Brunner A, Bracard S, Debouverie M, Braun M. Simulation training for emergency teams to manage acute ischemic stroke by telemedicine. *Medicine (Baltimore)*. 2016 Jun;95(24):e3924. PubMed PMID: 27311003; PubMed Central PMCID: PMC4998489.  
<https://www.ncbi.nlm.nih.gov/pubmed/27311003>

### **Neurosurgery:**

- Clarke DB, Kureshi N, Hong M, Sadeghi M, D'Arcy RC. Simulation-based training for burr hole surgery instrument recognition. *BMC Med Educ*. 2016 May 27;16:153. PubMed PMID: 27233494; PubMed Central PMCID: PMC4882815.  
<https://www.ncbi.nlm.nih.gov/pubmed/27233494>
- Mashiko T, Kaneko N, Konno T, Otani K, Nagayama R, Watanabe E. Training in Cerebral Aneurysm Clipping Using Self-Made 3-Dimensional Models. *J Surg Educ*. 2017 Jan 16. pii: S1931-7204(16)30387-7. PubMed PMID: 28110854.  
<https://www.ncbi.nlm.nih.gov/pubmed/28110854>

### **OBGYN:**

- Moulder JK, Louie M, Toubia T, Schiff LD, Siedhoff MT. The role of simulation and warm-up in minimally invasive gynecologic surgery. *Curr Opin Obstet Gynecol*. 2017 May 16. PubMed PMID: 28520585.  
<https://www.ncbi.nlm.nih.gov/pubmed/28520585>

- York SL, McGaghie WC, Kiley J, Hammond C. Implementation and evaluation of a dilation and evacuation simulation training curriculum. *Contraception*. 2016 Jun;93(6):545-50. PubMed PMID: 26851566. <https://www.ncbi.nlm.nih.gov/pubmed/26851566>

### **Ophthalmology:**

- Thomsen AS, Smith P, Subhi Y, Cour M, Tang L, Saleh GM, Konge L. High correlation between performance on a virtual-reality simulator and real-life cataract surgery. *Acta Ophthalmol*. 2017 May;95(3):307-311. PubMed PMID: 27679989. <https://www.ncbi.nlm.nih.gov/pubmed/28017423>
- Liu EY, Li B, Hutnik CM. Canadian ophthalmic microsurgery course: an innovative spin on wet lab-based surgical education. *Can J Ophthalmol*. 2016 Oct;51(5):315-320. PubMed PMID: 27769319. <https://www.ncbi.nlm.nih.gov/pubmed/27769319>

### **Orthopedics:**

- Brubacher JW, Karg J, Weinstock P, Bae DS. A Novel Cast Removal Training Simulation to Improve Patient Safety. *J Surg Educ*. 2016 Jan-Feb;73(1):7-11. PubMed PMID: 26385318. <https://www.ncbi.nlm.nih.gov/pubmed/26385318>
- Aïm F, Lonjon G, Hannouche D, Nizard R. Effectiveness of Virtual Reality Training in Orthopaedic Surgery. *Arthroscopy*. 2016 Jan;32(1):224-32. PubMed PMID: 26412672. <https://www.ncbi.nlm.nih.gov/pubmed/26412672>

### **Pediatrics:**

- Theilen U, Fraser L, Jones P, Leonard P, Simpson D, Regular in-situ simulation training of paediatric Medical Emergency Team leads to sustained improvements in hospital response to deteriorating patients, improved outcomes in intensive care and financial savings. *Pe Resuscitation*. 2017 Mar 27. PMID: 28359769 <https://www.ncbi.nlm.nih.gov/pubmed/28359769>
- Ades A, Nadkarni V, Nishisaki A. Stress in Simulation-Based Resuscitation Education-Seeking Objective Measures to Spit and Swallow? *Pediatr Crit Care Med*. 2017 May;18(5):487-489. PubMed PMID: 28475532. <https://www.ncbi.nlm.nih.gov/pubmed/28475532>

### **Radiology:**

- Tri JN, Yacob S, Mithqal A. Teaching Communication Skills to Radiology Residents. *Curr Probl Diagn Radiol.* 2017 Jan 17. pii: S0363-0188(16)30162-1. PubMed PMID: 28291556. <https://www.ncbi.nlm.nih.gov/pubmed/28291556>
- Wang CL, Chinnugounder S, Hippe DS, Zaidi S, O'Malley RB, Bhargava P, Bush WH. Comparative Effectiveness of Hands-on Versus Computer Simulation-Based Training for Contrast Media Reactions and Teamwork Skills. *J Am Coll Radiol.* 2017 Jan;14(1):103-110.e3. PubMed PMID: 27815053. <https://www.ncbi.nlm.nih.gov/pubmed/27815053>

### **Surgery:**

- Huber T, Paschold M, Hansen C, Wunderling T, Lang H, Kneist W. New dimensions in surgical training: immersive virtual reality laparoscopic simulation exhilarates surgical staff. *Surg Endosc.* 2017 Apr 4. PMID: 28378077 <https://www.ncbi.nlm.nih.gov/pubmed/28378077>
- Owei L, Neylan CJ, Rao R, Caskey RC, Morris JB, Sensenig R, Brooks AD, Dempsey DT, Williams NN, Atkins JH, Baranov DY, Dumon KR. In Situ Operating Room-Based Simulation: A Review. *J Surg Educ.* 2017 Mar 10. pii: S1931-7204(17)30002-8. PubMed PMID: 28291725. <https://www.ncbi.nlm.nih.gov/pubmed/28291725>

### **Urology:**

- Van Cleynenbreugel BS, Gözen AS, Tokas T., The value of simulation-based training in the path to laparoscopic urological proficiency. *Curr Opin Urol.* 2017 Apr 12. PMID: 28406846 <https://www.ncbi.nlm.nih.gov/pubmed/28406846>
- Sarmah P, Voss J, Ho A, Veneziano D, Somani B. Low vs. high fidelity: the importance of 'realism' in the simulation of a stone treatment procedure. *Curr Opin Urol.* 2017 Jul;27(4):316-322. PubMed PMID: 28403125. <https://www.ncbi.nlm.nih.gov/pubmed/28403125>

### **Interprofessional Education (IPE):**

- Kostoff M, Burkhardt C, Winter A, Shrader S. An Interprofessional Simulation Using the SBAR Communication Tool. *Am J Pharm Educ.* 2016 Nov 25;80(9):157. PubMed PMID: 28090106; PubMed Central PMCID: PMC5221839. <https://www.ncbi.nlm.nih.gov/pubmed/28090106>
- Sauter TC, Hautz WE, Hostettler S, Brodmann-Maeder M, Martinolli L, Lehmann B, Exadaktylos AK, Haider DG. Interprofessional and interdisciplinary simulation-based training leads to safe

sedation procedures in the emergency department. Scand J Trauma Resusc Emerg Med. 2016 Aug 2;24:97. PubMed PMID: 27485431; PubMed Central PMCID: PMC4970284. <https://www.ncbi.nlm.nih.gov/pubmed/27485431>

### **Nursing:**

- Verkuyl M, Hughes M, Tsui J, Betts L, St-Amant O, Lapum JL. Virtual Gaming Simulation in Nursing Education: A Focus Group Study. J Nurs Educ. 2017 May 1;56(5):274-280. PubMed PMID: 28467555. <https://www.ncbi.nlm.nih.gov/pubmed/28467555>
- Flynn FM, Sandaker K, Ballangrud R. Aiming for excellence - A simulation-based study on adapting and testing an instrument for developing non-technical skills in Norwegian student nurse anaesthetists. Nurse Educ Pract. 2017 Jan;22:37-46. PubMed PMID: 27930962. <https://www.ncbi.nlm.nih.gov/pubmed/27930962>

### **Pharmacy:**

- Chime NO, Riese VG, Scherzer DJ, Perretta JS, McNamara L, Rosen MA, Hunt EA; International Network for Simulation-based Pediatric Innovation, Research and Education (INSPIRE) Collaborative.. Epinephrine Auto-Injector Versus Drawn Up Epinephrine for Anaphylaxis Management: A Scoping Review. Pediatr Crit Care Med. 2017 May 10. PMID: 28492400. <https://www.ncbi.nlm.nih.gov/pubmed/28492400>
- Smith MA, Siemianowski LA, Benedict N. Virtual Patient Case Sharing Across Two Schools of Pharmacy. Am J Pharm Educ. 2016 Nov 25;80(9):153. PubMed PMID: 28090102; PubMed Central PMCID: PMC5221835. <https://www.ncbi.nlm.nih.gov/pubmed/28090102>