

## Recent publications in Simulation Based Education, July-August 2017

### **Anesthesia:**

- Kranke P, Annecke T, Bremerich DH, Hanß R, Kaufner L, Klapp C, Ohnesorge H, Schwemmer U, Standl T, Weber S, Volk T. [Anesthesia in obstetrics: Tried and trusted methods, current standards and new challenges]. *Anaesthesist*. 2016 Jan;65(1):3-16, 18-21. doi: 10.1007/s00101-015-0129-0. German. PubMed PMID: 26745995.  
<https://www.ncbi.nlm.nih.gov/pubmed/26745995>
- Sanfilippo F, Chiarenza F, Maybauer DM, Maybauer MO. The Easytube for airway management: a systematic review of clinical and simulation studies. *J Clin Anesth*. 2016 Jun;31:215-22. doi: 10.1016/j.jclinane.2016.01.039. Epub 2016 Apr 16. Review. PubMed PMID: 27185715.  
<https://www.ncbi.nlm.nih.gov/pubmed/27185715>

### **Emergency Medicine:**

- Gardner AK, DeMoya MA, Tinkoff GH, Brown KM, Garcia GD, Miller GT, Zaidel BW, Korndorffer JR Jr, Scott DJ, Sachdeva AK. Using simulation for disaster preparedness. *Surgery*. 2016 Sep;160(3):565-70. doi: 10.1016/j.surg.2016.03.027. Epub 2016 May 17. PubMed PMID: 27206335. <https://www.ncbi.nlm.nih.gov/pubmed/27206335>
- Barnes SL, Bukoski A, Kerby JD, Llerena L, Armstrong JH, Strayhorn C; University of Missouri Combat Casualty Training Consortium.. Live tissue versus simulation training for emergency procedures: Is simulation ready to replace live tissue? *Surgery*. 2016 Oct;160(4):997-1007. doi: 10.1016/j.surg.2016.04.044. Epub 2016 Aug 6. PubMed PMID: 27506866.  
<https://www.ncbi.nlm.nih.gov/pubmed/27506866>

### **Family Medicine:**

- Oyewumi M, Brandt MG, Carrillo B, Atkinson A, Iglar K, Forte V, Campisi P. Objective Evaluation of Otoscopy Skills Among Family and Community Medicine, Pediatric, and Otolaryngology Residents. *J Surg Educ*. 2016 Jan-Feb;73(1):129-35. doi: 10.1016/j.jsurg.2015.07.011. Epub 2015 Sep 11. PubMed PMID: 26364889. <https://www.ncbi.nlm.nih.gov/pubmed/26364889>
- Sawin EM, Mast ME, Sessoms JC, Fulcher KH. Evaluating the Impact of the Life of a Caregiver Simulation on Student Attitudes, Understanding, and Knowledge of Frail Older Adults and Their Family Caregivers. *Nurs Educ Perspect*. 2016 Jan-Feb;37(1):38-40. PubMed PMID: 27164776.  
<https://www.ncbi.nlm.nih.gov/pubmed/27164776>

### **General Surgery:**

- King N, Kunac A, Merchant AM. A Review of Endoscopic Simulation: Current Evidence on Simulators and Curricula. *J Surg Educ*. 2016 Jan-Feb;73(1):12-23. doi: 10.1016/j.jsurg.2015.09.001. Epub 2015 Dec 11. Review. PubMed PMID: 26699281.  
<https://www.ncbi.nlm.nih.gov/pubmed/26699281>

- Johnston MJ, Paige JT, Aggarwal R, Stefanidis D, Tsuda S, Khajuria A, Arora S; Association for Surgical Education Simulation Committee.. An overview of research priorities in surgical simulation: what the literature shows has been achieved during the 21st century and what remains. *Am J Surg.* 2016 Jan;211(1):214-25. doi: 10.1016/j.amjsurg.2015.06.014. Epub 2015 Aug 12. Review. PubMed PMID: 26343855. <https://www.ncbi.nlm.nih.gov/pubmed/26343855>

### **Internal Medicine:**

- Westerdahl DE. The Necessity of High-Fidelity Simulation in Cardiology Training Programs. *J Am Coll Cardiol.* 2016 Mar 22; 67(11):1375-8. doi: 10.1016/j.jacc.2016.02.004. PubMed PMID: 26988961. <https://www.ncbi.nlm.nih.gov/pubmed/26988961>
- Wilkinson JS, Barake W, Smith C, Thakrar A, Johri AM. Limitations of Condensed Teaching Strategies to Develop Hand-Held Cardiac Ultrasonography Skills in Internal Medicine Residents. *Can J Cardiol.* 2016 Aug;32(8):1034-7. doi: 10.1016/j.cjca.2015.10.008. Epub 2015 Oct 22. PubMed PMID: 26860772. <https://www.ncbi.nlm.nih.gov/pubmed/26860772>

### **Neurology:**

- Brunner I, Skouen JS, Hofstad H, Aßmuss J, Becker F, Pallesen H, Thijs L, Verheyden G. Is upper limb virtual reality training more intensive than conventional training for patients in the subacute phase after stroke? An analysis of treatment intensity and content. *BMC Neurol.* 2016 Nov 11;16(1):219. PubMed PMID: 27835977; PubMed Central PMCID: PMC5106796. <https://www.ncbi.nlm.nih.gov/pubmed/27835977>

### **Neurosurgery:**

- Meara DJ, Coffey Zern S. Simulation in craniomaxillofacial training. *Curr Opin Otolaryngol Head Neck Surg.* 2016 Aug;24(4):376-80. doi: 10.1097/MOO.0000000000000266. PubMed PMID: 27261943. <https://www.ncbi.nlm.nih.gov/pubmed/27261943>
- Cobb MI, Taekman JM, Zomorodi AR, Gonzalez LF, Turner DA. Simulation in Neurosurgery-A Brief Review and Commentary. *World Neurosurg.* 2016 May;89:583-6. doi: 10.1016/j.wneu.2015.11.068. Epub 2015 Dec 17. Review. PubMed PMID: 26704209. <https://www.ncbi.nlm.nih.gov/pubmed/26704209>

### **OBGYN:**

- Leff DR, Petrou G, Mavroveli S, Bersihand M, Cocker D, Al-Mufti R, Hadjiminias DJ, Darzi A, Hanna GB. Validation of an oncoplastic breast simulator for assessment of technical skills in wide local excision. *Br J Surg.* 2016 Feb;103(3):207-17. doi: 10.1002/bjs.9970. Epub 2015 Dec 17. PubMed PMID: 26679470. <https://www.ncbi.nlm.nih.gov/pubmed/26679470>

- Mannella P, Palla G, Cuttano A, Boldrini A, Simoncini T. Effect of high-fidelity shoulder dystocia simulation on emergency obstetric skills and crew resource management skills among residents. *Int J Gynaecol Obstet.* 2016 Dec;135(3):338-342. doi: 10.1016/j.ijgo.2016.06.023. Epub 2016 Aug 27. PubMed PMID: 27622684. <https://www.ncbi.nlm.nih.gov/pubmed/27622684>

### **Ophthalmology:**

- Gillan SN, Okhravi N, O'Sullivan F, Sullivan P, Viswanathan A, Saleh GM. Influence of medical student career aims on ophthalmic surgical simulator performance (part of the international forum for ophthalmic simulation studies). *Br J Ophthalmol.* 2016 Mar;100(3):411-4. doi: 10.1136/bjophthalmol-2015-307127. Epub 2015 Aug 5. PubMed PMID: 26246344. <https://www.ncbi.nlm.nih.gov/pubmed/26246344>
- Gallagher K, Lin PF, Koukkoulli A, Puertas R, Okhravi N. "Low-tech" simulation of corneal foreign body removal. *Can J Ophthalmol.* 2016 Oct;51(5):386-389. doi: 10.1016/j.jcjo.2016.03.016. Epub 2016 Jun 23. PubMed PMID: 27769332. <https://www.ncbi.nlm.nih.gov/pubmed/27769332>

### **Orthopedics:**

- Nousiainen MT, McQueen SA, Ferguson P, Alman B, Kraemer W, Safir O, Reznick R, Sonnadara R. Simulation for Teaching Orthopaedic Residents in a Competency-based Curriculum: Do the Benefits Justify the Increased Costs? *Clin Orthop Relat Res.* 2016 Apr;474(4):935-44. doi: 10.1007/s11999-015-4512-6. PubMed PMID: 26335344; PubMed Central PMCID: PMC4773347. <https://www.ncbi.nlm.nih.gov/pubmed/26335344>
- Beth Grossman L, Komatsu DE, Badalamente MA, Braunstein AM, Hurst LC. Microsurgical Simulation Exercise for Surgical Training. *J Surg Educ.* 2016 Jan-Feb;73(1):116-20. doi: 10.1016/j.jsurg.2015.09.003. PubMed PMID: 26762839. <https://www.ncbi.nlm.nih.gov/pubmed/26762839>

### **Pediatrics:**

- Mallory LA, Calaman S, Lee White M, Doughty C, Mangold K, Lopreiato J, Auerbach M, Chang TP. Targeting Simulation-Based Assessment for the Pediatric Milestones: A Survey of Simulation Experts and Program Directors. *Acad Pediatr.* 2016 Apr;16(3):290-7. doi: 10.1016/j.acap.2015.09.007. Epub 2015 Oct 8. PubMed PMID: 26456040. <https://www.ncbi.nlm.nih.gov/pubmed/26456040>
- Agarwal A, Marks N, Wessel V, Willis D, Bai S, Tang X, Ward WL, Schellhase DE, Carroll JL. Improving knowledge, technical skills, and confidence among pediatric health care providers in the management of chronic tracheostomy using a simulation model. *Pediatr Pulmonol.* 2016 Jul;51(7):696-704. doi: 10.1002/ppul.23355. Epub 2015 Dec 17. PubMed PMID: 26681655. <https://www.ncbi.nlm.nih.gov/pubmed/26681655>

### **Radiology:**

- Booker MT, O'Connell RJ, Desai B, Duddalwar VA. Quality Improvement With Discrete Event Simulation: A Primer for Radiologists. *J Am Coll Radiol*. 2016 Apr;13(4):417-23. doi: 10.1016/j.jacr.2015.11.028. Epub 2016 Feb 24. PubMed PMID: 26922594. <https://www.ncbi.nlm.nih.gov/pubmed/26922594>
- Pfeifer K, Staib L, Arango J, Kirsch J, Arici M, Kappus L, Pahade J. High-Fidelity Contrast Reaction Simulation Training: Performance Comparison of Faculty, Fellows, and Residents. *J Am Coll Radiol*. 2016 Jan;13(1):81-7. doi: 10.1016/j.jacr.2015.08.016. Epub 2015 Nov 6. PubMed PMID: 26549266. <https://www.ncbi.nlm.nih.gov/pubmed/26549266>

### **Urology:**

- Rashid P, Gianduzzo TR. Urology technical and non-technical skills development: the emerging role of simulation. *BJU Int*. 2016 Apr;117 Suppl 4:9-16. doi: 10.1111/bju.13259. Epub 2015 Dec 23. Review. PubMed PMID: 26695716. <https://www.ncbi.nlm.nih.gov/pubmed/26695716>
- Aydin A, Ahmed K, Shafi AM, Khan MS, Dasgupta P. The role of simulation in urological training - A quantitative study of practice and opinions. *Surgeon*. 2016 Dec; 14(6):301-307. doi: 10.1016/j.surge.2015.06.003. Epub 2015 Jul 4. PubMed PMID: 26148761. <https://www.ncbi.nlm.nih.gov/pubmed/26148761>

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

- Saylor J, Vernoooy S, Selekman J, Cowperthwait A. Interprofessional Education Using a Palliative Care Simulation. *Nurse Educ*. 2016 May-Jun;41(3):125-9. doi: 10.1097/NNE.0000000000000228. PubMed PMID: 26492356. <https://www.ncbi.nlm.nih.gov/pubmed/26492356>
- Park CW, Holtschneider ME. Interprofessional Simulation: Creative Ways to Integrate Education and Goal Setting in the Practice Environment. *J Nurses Prof Dev*. 2016 Mar-Apr;32(2):102-4. doi: 10.1097/NND.0000000000000253. PubMed PMID: 26985755. <https://www.ncbi.nlm.nih.gov/pubmed/26985755>

### **Nursing:**

- Kim J, Park JH, Shin S. Effectiveness of simulation-based nursing education depending on fidelity: a meta-analysis. *BMC Med Educ*. 2016 May 23; 16:152. doi: 10.1186/s12909-016-0672-7. PubMed PMID: 27215280; PubMed Central PMCID: PMC4877810. <https://www.ncbi.nlm.nih.gov/pubmed/27215280>

- Hollenbach PM. Simulation and Its Effect on Anxiety in Baccalaureate Nursing Students. Nurs Educ Perspect. 2016 Jan-Feb;37(1):45-7. PubMed PMID: 27164778.  
<https://www.ncbi.nlm.nih.gov/pubmed/27164778>

**Pharmacy:**

- Soto C, Stiner J, Noji DO, Rusheen JM, Huang YM. Creating a Simulated Pharmacy. Simul Healthc. 2016 Jun;11(3):218-22. doi: 10.1097/SIH.0000000000000163. PubMed PMID: 27093512.  
<https://www.ncbi.nlm.nih.gov/pubmed/27093512>
- Fejzic J, Barker M, Hills R, Priddle A. Communication Capacity Building through Pharmacy Practice Simulation. Am J Pharm Educ. 2016 Mar 25;80(2):28. doi: 10.5688/ajpe80228. PubMed PMID: 27073281; PubMed Central PMCID: PMC4827579.  
<https://www.ncbi.nlm.nih.gov/pubmed/27073281>