

Simulation-Based Education

Modern approach to resident training

Recent Simulation Publications by Northwestern Faculty:

- Vermeylen JH, Wood GJ, Cohen ER, Barsuk JH, McGaghie WC, Wayne DB. Development of a Simulation-Based Mastery Learning Curriculum for Breaking Bad News. *J Pain Symptom Manage*. 2019 Mar;57(3):682-687. doi:10.1016/j.jpainsymman.2018.11.012. Epub 2018 Nov 23.
- Barsuk JH, Rosen BT, Cohen ER, Feinglass J, Ault MJ. Vascular Ultrasonography: A Novel Method to Reduce Paracentesis Related Major Bleeding. *J Hosp Med*. 2018 Jan 1;13(1):30-33. Doi: 10.12788/jhm.2863. Epub 2017 Oct 18.
- Barsuk JH, Harap R, Cohen ER, Cameron KA, Grady KL, Wilcox J, Shanklin K, Wayne DB. The effect of judge selection on standard setting: Using the mastery angoff method during development of a ventricular assist device self-management curriculum. *Clinical Simulation in Nursing*. 2018; In press.
- Cameron KA, Cohen ER, Hertz JR, Wayne DB, Mitra D, Barsuk JH. Barriers and facilitators to ventral venous catheter insertion: A qualitative study. *Journal of Patient Safety*. 2018 Mar 14. [Epub ahead of print]
- McGaghie WC, Barsuk JH, Wayne DB. Building partnerships to improve learning from health care simulation. *Academic Medicine*. 2018;93(5):672-673.
- Chuzi S, Cantey E, Unger E, Rosenthal JE, Didwania A, McGaghie WC, Prenner S. Interactive Multimodal Curriculum on Use and Interpretation of Inpatient Telemetry. *Med Ed Portal* 2018.
- Prenner SB, McGaghie WC, Chuzi S, Cantey E, Didwania A, Barsuk JH. Effect of trainee performance data on standard setting judgments using the mastery angoff method. *Journal of Graduate Medical Education*. 2018;10(3):301-305.
- Barsuk JH, Cohen ER, Wayne DB, McGaghie WC, Yudkowsky R. A Comparison of approaches for mastery learning standard setting. *Academic Medicine*. 2018 Jul;93(7):1079-1084.
- Cohen ER, Barsuk JH, Hertz JR, Wayne DB, Okuda Y, Mitra D, et al. Healthcare providers' awareness and perceptions of competency requirements for central venous catheter insertion. *AMEE MedEDPublish*. 2018. Available at: <https://doi.org/10.15694/mep.2018.0000012.1>.
- Prenner SB, Wayne DB, Sweis RN, Cohen ER, Feinglass JM, Schimmel DR. Simulation-based education leads to decreased use of fluoroscopy in diagnostic coronary angiography. *Catheterization and Cardiovascular Interventions*. 2018;91(6):1054-1059.
- Didwania A, Farnan JM, Iccayan L, O'Leary KJ, Saathoff M, Bellam S, Humphrey HJ, Wayne DB, Arora VM. Impact of a video-based interactive workshop on unprofessional behaviors among internal medicine residents. *Journal of Graduate Medical Education*. 2017;9(2):241-244.
- Salzman DH, Wayne DB, Eppich W, Hungness E, Adler M, Park C, Barsness K, McGaghie WC, Barsuk JH. An institution-wide approach to submission, review and funding of simulation-based curricula. *Advances in Simulation*. 2017;2:9. Available at <https://advancesinsimulation.biomedcentral.com/articles/10.1186/s41077-017-0042-5>.
- Barsuk JH, Cohen ER, Feinglass J, McGaghie WC, Wayne DB. Experience with clinical procedures does not ensure competence: a research synthesis. *Journal of Graduate Medical Education*. 2017;9:201-208.
- Schildhouse R, Lai A, Barsuk JH, Mourad M, Chopra V. Safe and effective bedside Thoracentesis: a review of the evidence for practicing clinicians. *Journal of Hospital Medicine*. 2017;12:266-276.
- Sharma RK, Szmuiłowicz E, Ogunseitan A, Jones SF, Montalvo JA, O'Leary KJ, Wayne DB. Evaluation of a mastery learning intervention on hospitalists' Code Status Discussion Skills. *Journal of Pain and Symptom Management*. 2017;53(6):1066-1070.
- Barsuk JH, Cohen ER, Wayne DB, Siddall VJ, McGaghie WC. Developing a simulation-based mastery learning curriculum: Lessons learned from 11 years of advanced cardiac life support. *Simulation in Healthcare*. 2016;11(1):52-9.
- Cantey EP, Walter JM, Corbridge T, Barsuk, JH. Complications of thoracentesis: incidence, risk factors, and strategies for prevention. *Current Opinion in Pulmonary Medicine*. 2016;22(4):378-385.

Northwestern Internal Medicine has been a national leader in teaching residents using Simulation Based Medical Education (SBME) since 2006.

See our full bibliography of simulation based curriculum on our residency website under 'curriculum': www.medicine.northwestern.edu.

