# ASTEC Publications

*Updated January 2026*

**Journal articles**

1. Meyerson, B. E., Mueller, C., Cronin, S. P., McLemore, K., Biffar, D., Eldridge, L. A., Lorenz, H. M., Rochelle, A., Nkeze, A. A., Sturm, R. P., Zhang, C., & Yousaf, S. (2026). Ombuds interventions for people in opioid use disorder treatment: a scoping review. *Journal of Substance Use.* https://doi.org/10.1080/14659891.2025.2609260
2. Samargandy, S., Ahmadian, D., Zhang, J., Biffar, D., Avery, M. B., Le, C., & Chang, E. (2025). Incorporating HTA and VR Simulation to Teach Trainees in Endoscopic Endonasal Skull Base Approaches. *Laryngoscope*. https://doi.org/10.1002/lary.70188
3. Molzahn, A., Burke-Alexander, T., Biffar, D., Hamilton, A., & Hughes, K. E. (2025). Development of a Cricothyrotomy Virtual Reality Training Module. *Cureus*. https://doi.org/10.7759/cureus.90955
4. Molzahn, A., Lopido, M., Arnold, G., Salmon, S., & Biffar, D. (2025). Are we asking the right questions? A scoping review of evaluation tools for simulation technologies. *Simulation Technology and Operations Resource Magazine.* https://www.ssih.org/news/are-we-asking-right-questions-scoping-review-evaluation-tools-simulation-technologies
5. McLemore, K., Molzahn, A., & Hamilton, A. (2024). Using Artificial Intelligence to Train Medical History Taking. *SimZine*. https://doi.org/10.69079/SIMZINE.A25.N18.00047
6. Ghimire, R., Kharel, S., Giri, S., & Hamilton, A. (2024). The Growing Need for Web-Based Simulation in Low- and Middle-Income Countries. *Journal of Nepal Medical Association*. https://doi.org/10.31729/jnma.8814
7. Hamilton, A., Molzahn, A., & McLemore, K. (2024). The Evolution from Standardized to Virtual Patients in Medical Education. *Cureus*. https://doi.org/10.7759/cureus.71224
8. Molzahn, A., Lovett, M., Biffar, D., de Oliveira Almeida, G., & Hamilton, A. (2024). The Effect of Time Pressure on Surgical Skill Retention in Novices: A Randomized Controlled Trial. *Surgical Innovation*. https://doi.org/10.1177/15533506241273359
9. Hamilton, A. (2024). The Future of Artificial Intelligence and Surgery. *Cureus*. https://doi.org/10.7759/cureus.63699
10. Hamilton, A. (2024). Artificial Intelligence and Healthcare simulation: The shifting landscape of medical education. *Cureus*. https://doi.org/10.7759/cureus.59747

11. Lovett, M., Ahanonu, E., Molzahn, A., Biffar, D., & Hamilton, A. (2024). Optimizing individual wound closure practice using augmented reality: a randomized controlled study. *Cureus*. https://doi.org/10.7759/cureus.59296
12. Hughes, K. E., Islam, M. T., Co, B., Lopido, M., McNinch, N. L., Biffar, D., Subbian, V., Son, Y., & Mosier, J. M. (2023). Comparison of force during the endotracheal intubation of commercial simulation Manikins. *Cureus*. https://doi.org/10.7759/cureus.43808
13. Katz, J., Hua, H., Lee, S., Nguyen, M., & Hamilton, A. (2022). A dual-view multi-resolution laparoscope for safer and more efficient minimally invasive surgery. *Scientific Reports*. https://doi.org/10.1038/s41598-022-23021-2
14. Situ-LaCasse, E., Acuña, J., Huynh, D., Amini, R., Irving, S., Samsel, K., Patanwala, A. E., Biffar, D., & Adhikari, S. (2021). Can ultrasound novices develop image acquisition skills after reviewing online ultrasound modules? *BMC Medical Education*. https://doi.org/10.1186/s12909-021-02612-z
15. Hong, M., Rozenblit, J. W., & Hamilton, A. (2020). Simulation-based surgical training systems in laparoscopic surgery: a current review. *Virtual Reality*. https://doi.org/10.1007/s10055-020-00469-z
16. Lee, S., Hua, H., Nguyen, M., & Hamilton, A. (2020). Further comparison of 4 display modes for a Multi-Resolution foveated laparoscope. *Surgical Innovation*. https://doi.org/10.1177/1553350620957799
17. Adhikari, S., Situ-LaCasse, E., Acuña, J., Irving, S., Weaver, C., Samsel, K., Biffar, D., Motlagh, M., & Sakles, J. (2020). Integration of Pre-intubation ultrasound into Airway Management Course: A Novel Training program. *Indian Journal of Critical Care Medicine*. https://doi.org/10.5005/jp-journals-10071-23370
18. Collins, C., Lovett, M., Biffar, D., Hamilton, A., Holder, K., Holcomb, M., Yonsetto, P., & Weinstein, R. (2019). The use of remote and traditional faciliation to evaluate telesimulation to support interprofessional education and processing in healthcare simulation training. *2019 Spring Simulation Conference (SpringSim).* https://doi.org/10.23919/springsim.2019.8732914
19. Hamilton, A., Lovett, M., Biffar, D., Kanda, J., Rozenblit, J., & Weinstein, R. (2019). When Hollywood Inspires Medicine: New concepts in the design and architecture of medical simulation facilities to support Inter-Professional Healthcare Education and training. *2019 Spring Simulation Conference (SpringSim)*. https://doi.org/10.23919/springsim.2019.8732918
20. Lovett, M., Biffar, D., Hamilton, A., Katz, J., Lee, S., Hua, H., & Nguyen, M. (2019). Evaluation of learning curve and peripheral awareness using a novel multiresolution foveated laparoscope. *2019 Spring Simulation Conference (SpringSim)*. https://doi.org/10.23919/springsim.2019.8732872

21. Peng, K. S., Hong, M., Rozenblit, J., & Hamilton, A. (2019). Single shot state detection in Simulation-Based Laparoscopy training. *2019 Spring Simulation Conference (SpringSim)*. https://doi.org/10.23919/springsim.2019.8732863
22. Hughes, K. E., Biffar, D., Ahanonu, E. O., Cahir, T. M., Hamilton, A., & Sakles, J. C. (2018). Evaluation of an innovative bleeding cricothyrotomy model. *Cureus*. https://doi.org/10.7759/cureus.3327
23. Lee, S., Hua, H., Nguyen, M., & Hamilton, A. (2018). Comparison of six display modes for a multi-resolution foveated laparoscope. *Surgical Endoscopy*. https://doi.org/10.1007/s00464-018-6445-0
24. Ng, V., Plitt, J., & Biffar, D. (2018). Development of a novel ultrasound-guided peritonsillar abscess model for simulation training. *The Western Journal of Emergency Medicine*. https://doi.org/10.5811/westjem.2017.11.36427
25. Hong, M., Rozenblit, J. W., & Hamilton, A. (2017). A simulation-based assessment system for computer assisted surgical trainer. *2017 Spring Simulation Conference (SpringSim)*. https://doi.org/10.5555/3108760.3108763
26. Grisham, L. M., Vickers, V., Biffar, D., Prescher, H., Battaglia, N. J., Jarred, J. E., Reid, S. A., & Hamilton, A. (2016). Feasibility of air Transport simulation Training: a case series. *Air Medical Journal.* https://doi.org/10.1016/j.amj.2016.02.008
27. Rozenblit, J. W., Yilmaz, L., Sametinger, J., Ören, T. I., Madey, G. R., Sierhuis, M., & Antonio, Y. Z. T. U. S. (2016). Modeling of a transfer task in computer assisted surgical training. *2016 Spring Simulation Conference (SpringSim).* https://dl.acm.org/doi/10.5555/2962678.2962682
28. Hamilton, A., Prescher, H., Biffar, D., & Poston, R. S. (2015). Simulation trainer for practicing emergent open thoracotomy procedures. *The Journal of Surgical Research*. https://doi.org/10.1016/j.jss.2015.04.037
29. Prescher, H., Grover, E., Mosier, J., Stolz, U., Biffar, D., Hamilton, A., & Sakles, J. C. (2015). Telepresent intubation supervision is as effective as In-Person supervision of procedurally naive operators. *Telemedicine and E-Health*. https://doi.org/10.1089/tmj.2014.0090
30. Amini, R., Kartchner, J. Z., Stolz, L. A., Biffar, D., Hamilton, A., & Adhikari, S. (2015). A novel and inexpensive ballistic gel phantom for ultrasound training. *World Journal of Emergency Medicine.* https://doi.org/10.5847/wjem.j.1920-8642.2015.03.012
31. Nikodem, J., Wytyczak-Partyka, A., Klempous, R., & Rozenblit, J. (2015). Prototyping a laparoscopic skill trainer based on virtual reality and image processing. *Conference on Computer Aided Systems Theory*. https://doi.org/10.13140/RG.2.1.1784.6641
32. Napalkova, L., Rozenblit, J. W., Hwang, G., Hamilton, A., & Suantak, L. (2014). An optimal motion planning method for computer-assisted surgical training. *Applied Soft Computing*. https://doi.org/10.1016/j.asoc.2014.08.054

33. Prescher, H., Biffar, D., Galvani, C. A., Rozenblit, J. W., & Hamilton, A. (2014b). Evaluation of a navigation grid to increase the efficacy of instrument movement during laparoscopic surgery. *Journal of Laparoendoscopic & Advanced Surgical Techniques*. https://doi.org/10.1089/lap.2014.0016
34. Thompson, J. L., Grisham, L. M., Scott, J., Mogan, C., Prescher, H., Biffar, D., Jarred, J., Meyer, R. J., & Hamilton, A. (2014). Construction of a reusable, High-Fidelity model to enhance extracorporeal membrane oxygenation training through simulation. *Advances in Neonatal Care.* https://doi.org/10.1097/anc.0000000000000054
35. Prescher, H., Biffar, D., Galvani, C. A., Rozenblit, J. W., & Hamilton, A. (2014). Surgical Navigation Pointer facilitates identification of targets in a simulated environment. *Society for Computer Simulation International.* https://doi.org/10.5555/2685617.2685652
36. Prescher, H., Biffar, D., Meinke, L. E., Jarred, J. E., Brooks, A. J., & Hamilton, A. (2014). Video-guided versus direct laryngoscopy: Considerations for using simulation to teach inexperienced medical students. *Society for Computer Simulation International*. https://doi.org/10.5555/2685617.2685653
37. Prescher, H., Biffar, D., Rozenblit, J., & Hamilton, A. (2014). The comparison of high definition versus stereoscopic display on standardized fundamental laparoscopic skill procedures. *Society for Computer Simulation International*. https://doi.org/10.5555/2685617.2685665
38. Rozenblit, J. W., Feng, C., Riojas, M., Napalkova, L., Hamilton, A., Hong, M., Berthet-Rayne, P., Czapiewski, P., Hwang, G., Nikodem, J., Shankaran, A., & Rao, A. (2014). The Computer Assisted Surgical Trainer: Design, models, and implementation. *Society for Computer Simulation International.* https://doi.org/10.5555/2685617.2685647
39. Valenzuela, M. L., Rozenblit, J. W., & Hamilton, A. (2014). A Predictive Analytics toolbox for medical applications. *Society for Computer Simulation International.* https://doi.org/10.5555/2685617.2685642
40. Zimmerman, H., Latifi, R., Dehdashti, B., Ong, E., Jie, T., Galvani, C., Waer, A., Wynne, J., Biffar, D., & Gruessner, R. (2011). Intensive laparoscopic training course for surgical residents: program description, initial results, and requirements. *Surgical Endoscopy*. https://doi.org/10.1007/s00464-011-1770-6
41. Riojas, M., Feng, C., Hamilton, A., & Rozenblit, J. (2011). Knowledge elicitation for performance assessment in a computerized surgical training system. *Applied Soft Computing*. https://doi.org/10.1016/j.asoc.2011.01.041
42. Feng, C., Rozenblit, J. W., & Hamilton, A. (2010). A computerized assessment to compare the impact of standard, stereoscopic, and high-definition laparoscopic monitor displays on surgical technique. *Surgical Endoscopy.* https://doi.org/10.1007/s00464-010-1038-6

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44. Feng, C., Rozenblit, J., & Hamilton, A. (2008). Fuzzy Logic-Based Performance Assessment in the Virtual, Assistive Surgical Trainer (VAST). *15th Annual IEEE International Conference and Workshop on the Engineering of Computer Based Systems.* https://doi.org/10.1109/ecbs.2008.51
45. Feng, C., Rozenblit, J. W., & Hamilton, A. (2007). A hybrid view in a laparoscopic surgery training system. *14th Annual IEEE International Conference and Workshops on the Engineering of Computer-Based Systems.* https://doi.org/10.1109/ecbs.2007.6
46. Haniffa, H., Rozenblit, J., Peng, J., Hamilton, A., & Salkini, M. (2007). Motion planning system for minimally invasive surgery. *14th Annual IEEE International Conference and Workshops on the Engineering of Computer-Based Systems.* https://doi.org/10.1109/ecbs.2007.56
47. Feng, C., Haniffa, H., Rozenblit, J., Peng, J., Hamilton, A., & Salkini, M. (2006). Surgical training and performance assessment using a motion tracking system. *2nd European Modeling and Simulation Symposium.* http://mbdl.arizona.edu/publications/pdfs/Feng2006aa.pdf

**Abstracts and Presentations**

1. Ashe, S., Keehner, M., Laci, M., Martin, A., Smith, D., Stuhlman, M., Wands, L. (2026, January 10-14). Beyond the Grade: Using Formative Assessment in Simulation for Learning and Growth. [Panel Seminar]. International Meeting on Simulation in Healthcare 2026, San Antonio, TX.
2. Lopido, M., Molzahn, A., & Biffar, D. (2026, January 10-14). Advanced Ultrasound Intravenous Access Trainer. [Presentation and Live Demonstration]. International Meeting on Simulation in Healthcare 2026, San Antonio, TX.
3. Lopido, M., Konzelmann, J., & Zuñiga, M. (2026, January 10-14). The Unbound SOS: Merging Physiology and Moulage for Thermal Burns. [Workshop]. International Meeting on Simulation in Healthcare 2026, San Antonio, TX.
4. Lopido, M., Konzelmann, J., & Zuñiga, M. (2026, January 10-14). What are they and how do we simulate them? [Workshop]. International Meeting on Simulation in Healthcare 2026, San Antonio, TX.
5. Molzahn, A., Lopido, M., Arnold, G., Salmon, S., & Biffar, D. (2026, January 10-14). Are we asking the right questions? A scoping review of evaluation tools for simulation technologies. [Panel Seminar]. International Meeting on Simulation in Healthcare 2026, San Antonio, TX.

6. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). Artificially Intelligent Medical History Evaluation Instrument. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
7. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). Building Smarter Simulations: AI-Assisted Case Design and Integrated Project Dashboard. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
8. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). AI-Assisted Medical Case Design and Integrated Projects Dashboard. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
9. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). Suture Analysis Using Object Detection Algorithm and Machine Learning. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
10. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). Suture Analysis Using AI for Precise Measurements and Feedback. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
11. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). AI-Powered Debriefing Assessment for Medical Education Providing Feedback for Instructors. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
12. Artificial Intelligence Division in Simulation, Education and Technology. (2025, December 5). Virtual Patient Simulation: LLMs Meet Unreal Engine and Soul Machines. [Poster presentation]. iShowcase College of Information Science, University of Arizona, Tucson, AZ.
13. Molzahn, A., Lopido, M., Arnold, G., Salmon, S., & Biffar, D. (2025, June 16). Are we asking the right questions? A scoping review of evaluation tools for simulation technologies. [Webinar]. Society for Simulation in Healthcare SimSeries, Virtual.
14. Biffar, D. & Grijalva, L. (2025, April 24). From Closet to Cutting-Edge: Arizona Simulation Technology and Education Center's Journey to a Tech-Driven Sim Powerhouse. [Invited Speaker]. The Real Sim Center Webinar Series, Elevate Healthcare, Virtual.
15. McLemore, K., Delfs, R., & Hamilton, A. (2025, January 10-14). Creating a Medical Scenario Template to Last You the Rest of your Life. [Workshop]. International Meeting on Simulation in Healthcare 2025, Orlando, FL.

16. Lopido, M., Konzelmann, J., & Zuñiga, M. (2024, July 17-19). Burning Topics: Relating Physiology, Treatment, and Moulage Design of Thermal Burns. [Workshop]. Society for Simulation in Healthcare's SimOps, Denver, CO.
17. Partica C., Biffar D., & Smith D. (2024, January 20-24). Simplify your strategies: Lessons learned from an innovative 2-year IPE pilot program. [Oral Presentation]. International Meeting on Simulation in Healthcare 2024, San Diego, CA.
18. Molzahn A., Lovett M., Biffar D., de Oliveira Almedia G., & Hamilton A. (2022, January 15-19). The role of sympathetic modulation on long-term retention of information during clinical simulation. [Oral Presentation]. International Meeting on Simulation in Healthcare 2022, Los Angeles, CA.
19. Molzahn A., Lovett A., Biffar D., de Oliveira Almedia G., & Hamilton A. (2022 May 18). The role of stress on long-term retention of information during surgical simulation. [Oral Presentation]. Department of Surgery Research Symposium 2022, University of Arizona, Tucson, AZ.
20. Biffar D., Lovett M., Lopido M., & Hamilton A. (2021, January 09-March 31). Strengthen your modelmaking skills with a step-by-step demonstration. [Virtual Presentation]. International Meeting on Simulation in Healthcare 2021, virtual.
21. Lovett M., Phung M., Biffar D., Hamilton A., Lee B., & Tzou D. (2020, May 15-18). Development of a low-cost, high-fidelity simulator for ultrasound-guided percutaneous nephrolithotomy (PCNL) training. [Poster Abstract]. American Urological Association 2020 Meeting, Washington, DC.
22. Cahir T., Gondal A., Biffar D., & Ghaderi I. (2018, April 11-14). Smartphones as telemonitoring tools for training in the Fundamentals of Laparoscopic Surgery (FLS) skills. [Poster Abstract]. Scientific Session of the 16th World Congress of Endoscopic Surgery, Seattle, WA.
23. Hughes K., Ahanonu E., Cahir T., Biffar D., Hamilton A., & Sakles J. (2018, January 13-18). Evaluation of an innovative bleeding cricothyrotomy model. [Poster Abstract]. International Meeting on Simulation in Healthcare 2018, Los Angeles, CA.
24. Ng V., Prescher H., Barbosa A., Biffar D., & Hamilton A. (2017, January 28-February 1). Development of an ultrasound pericardiocentesis model for simulation training. [Oral Presentation]. International Meeting on Simulation in Healthcare 2017, Orlando, FL.
25. Lovett M., Reid S., Prescher H., Biffar D., Fiorello A., & Hamilton A. (2016, January 16-20). Development and testing of a thoracostomy assessment tool through self, peer, and expert evaluation in a simulation environment. [Poster Abstract]. International Meeting on Simulation in Healthcare 2016, San Diego, CA.

26. Ng V., Prescher H., Reid S., Biffar D., & Hamilton A. (2016, January 16-20). A comparison of porcine and synthetic models for lateral canthotomy and cantholysis work in progress. [Poster Abstract]. International Meeting on Simulation in Healthcare 2016, San Diego, CA.
27. Livingston J., Grisham L. & Biffar D. (2014, October 27). Using Tablets in Debriefing Student Performance in ASTEC [Oral Presentation]. 2014 AMES/OMSE FID Series, Tucson, AZ.
28. Dreifuss B., Prescher H., & BIffar D. (2014, January 25-29). Developing a novel drain loop skin abscess model for training intern ED residents. [Poster Abstract]. International Meeting on Simulation in Healthcare 2014, San Francisco, CA.
29. Frazier A., Prescher H., Biffar D., & Hamilton A. (2014, January 25-29). Using rotational casting techniques to create hollow viscous organs. [Poster Abstract]. International Meeting on Simulation in Healthcare 2014, San Francisco, CA.
30. Grover E., Mosier J., Sakles J., Prescher H., Biffar D., Stolz U., & Hamilton A. (2014, January 25-29). Telepresent intubation instruction is as effective as in-person when instructing naïve intubators in a simulated setting. [Poster Abstract]. International Meeting on Simulation in Healthcare 2014, San Francisco, CA.
31. Prescher H., Biffar D., Tomasa L., Berg M., Grisham L., Mathesen Y., Theodorou A., & Hamilton A. (2014, January 25-29). A seven-year collaboration between 3 colleges to learn interprofessional skills during a CPR team behavior simulation. [Poster Abstract]. International Meeting on Simulation in Healthcare 2014, San Francisco, CA.
32. Prescher H.,Biffar D., Tomasa L., Berg M., Grisham L., & Hamilton A. (2013, November 1-6). Breaking Barriers in Health Care Education: The Impact of Interprofessional CPR Training [Poster Abstract]. 2013 Association of American Medical Colleges Annual Meeting, Philadelphia, PA.
33. Livingston J., Prescher H., Grishamn L., & Paxton J. (2013 May 4). Using a self-assessment tool and individual video review to enhance learner participation in group debriefings of neonatal resuscitation simulations: A pilot study. [Poster Abstract]. Western Group on Education Affairs 2013, San Francisco, CA.
34. Biffar D. & Hamilton A. (2013, January 26-30). Playing Frankenstein: Make artificial tissue come to life! [Oral Presentation]. International Meeting on Simulation in Healthcare, Orlando, FL.
35. Biffar D., Poston R., Prescher H., & Hamilton A. (2013, January 26-30). Using interprofessional education to improve robotic cardiothoracic surgery training. [Poster Abstract]. International Meeting on Simulation in Healthcare 2013, Orlando, FL.
36. Livingston J., Grishamn L., & Prescher H. (2013, January 26-30). Using tablet computers to enhance learner participation in group debriefings in neonatal

resuscitation program simulations: A pilot study. [Poster Abstract]. International Meeting on Simulation in Healthcare 2013, Orlando, FL.

37. Prescher H., Biffar D., Galvani C., & Hamilton A. (2013, January 26-30). The comparison of high definition versus stereoscopic display on standardized Fundamental Laparoscopic Skill procedures. [Poster Abstract]. International Meeting on Simulation in Healthcare 2013, Orlando, FL.
38. Biffar D., Jarred J., Prescher H., Culliney S., Grisham L., & Hamilton A. (2012, September 13-14). Improving quality of care by training first responders with high-fidelity medical simulations: A collaboration between Arizona Simulation Technology and Education Center and Northwest Fire District [Poster Abstract]. Arizona Rural Health Conference, Tucson, AZ.
39. Biffar D. & Grisham L. (2012, February 1). How mobile can you go? Making the most out of your patient simulator outside of the training facility. [Oral Presentation]. 2012 Human Patient Simulator Network Conference, Tampa, FL.
40. Biffar D., Hamilton A. Grisham L., Jarred J., Prescher H., Brooks A., & Meinke L. (2012, January 28-30). For the inexperienced, video laryngoscopy is superior to direct laryngoscopy in the training of airway management. [Poster Abstract]. International Meeting on Simulation in Healthcare 2012, San Diego, CA.
41. Grover E., Mendelson J., Valdez S., Jarred J., Biffar D., Theodorou A., Grisham L., Prescher H., & Hamilton A. (2012, January 28-30). Interprofessional Education: Pediatric Intensive Care Unit (PICU) Simulation Training Program. [Poster Abstract]. International Meeting on Simulation in Healthcare 2012, San Diego, CA.
42. Livingston J. & Jarred J. (2012, January 28-30). High-fidelity simulation of the neonate with hydrops fetalis. [Poster Abstract]. International Meeting on Simulation in Healthcare 2012, San Diego, CA.
43. Huang Z., Feng C., Rozeblit J., & Hamilton A. (2011, January 23-25). Is the dominant hand always better in minimally invasive surgery? A computerized hand-eye coordination training experiment.t [Poster Abstract]. International Meeting on Simulation in Healthcare 2011, New Orleans, LA.
44. Feng C., Huang Z., Riojas M., Rozenblit J., & Hamilton A. (2009, February 1). Usability study of computerized surgery training and assessment system. [Poster Abstract]. Medicine Meets Virtual Reality 2009.
45. Feng C., Rozenblit J., & Hamilton A. (2007, February 1). Data fusion in a laparoscopic surgery training assistive system. [Poster Abstract]. Medicine Meets Virtual Reality 2007.
46. Salkini M., Johnson S., Knapp A., & Hamilton A. The future: Can we teach surgery remotely? [Poster Abstract].
47. Salkini M., Johnson S., Knapp A., & Hamilton A. Simulation gains resident satisfaction in laparoscopy training. [Poster Abstract].

48. Hamilton A., Salkini M., & Knapp A. Will low-cost disposable simulated tissues replace high-cost virtual reality surgical trainers? [Poster Abstract].
49. Lovett M., Biffar D., Collins C., Holder K., Holcomb M., Yonsetto P., Weinstein R., & Hamilton A. Pilot study: Evaluation of interprofessional education through telesimulation using remote and live simulation. [Poster Abstract].
50. Knapp A., Salkini M., Gellerman J., & Hamilton A. Virtual reality check: New medical simulation lab changes the way doctors are trained and patients are treated. [Poster Abstract].
51. Salkini M., Knapp A., Gellerman J., & Hamilton A. Laparoscopic simulation: Who can be trained? [Poster Abstract].
52. Patel B., Berger M., Krupinski E., Knapp A., Hamilton A., & Gatenby R. Can a hybrid simulator mitigate the unevenness of diagnostic radiology training experience in the management of iodinated radiologic contrast media reaction? [Poster Abstract].
53. Knapp A., Tischler M., DeLuca D., Salkini M., & Hamilton A. Expanding simulation into the basic science medical school curriculum. [Poster Abstract].