Supplemental Table 1 – Studies in datasetx

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| Lead author last name | Year | Title | Journal | MERSQI score |
| Aghera | 2018 | A Randomized Trial of SMART Goal Enhanced Debriefing after Simulation to Promote Educational Actions | West J Emerg Med | 13 |
| Ahmed | 2016 | The effect of metrics-based feedback on acquisition of sonographic skills relevant to performance of ultrasound-guided axillary brachial plexus block | Anaesthesia | 8.5 |
| Ahmed | 2017 | Coaching From the Sidelines: Examining the Impact of Teledebriefing in Simulation-Based Training | Simul Healthc | 12 |
| Aronson | 2021 | The Effects of a Deliberate Practice Debriefing During a Response to Rescue Patient Simulation With Undergraduate Nursing Students | Nurs Educ Perspect | 9 |
| Boet | 2011 | Looking in the mirror: self-debriefing versus instructor debriefing for simulated crises | Crit Care Med | 13 |
| Boet | 2013 | Within-team debriefing versus instructor-debriefing for interprofessional simulation-based education: A prospective randomized trial | Canadian Journal of Anesthesia | 12 |
| Bond | 2006 | Cognitive versus technical debriefing after simulation training | Acad Emerg Med | 9 |
| Bosse | 2015 | The benefit of repetitive skills training and frequency of expert feedback in the early acquisition of procedural skills | BMC Med Educ | 11 |
| Brown | 2018 | Evaluation of simulation debriefing methods with interprofessional learning | J Interprof Care | 6.5 |
| Cheng | 2013 | Examining pediatric resuscitation education using simulation and scripted debriefing: a multicenter randomized trial | JAMA Pediatr | 13 |
| Ciceron | 2021 | Individual versus collective debriefing after interprofessional training course simulation: The randomised DEBRIEF-SIM trial | Anaesth Crit Care Pain Med | 10.5 |
| Cooper | 2012 | Medical students' perception of residents as teachers: comparing effectiveness of residents and faculty during simulation debriefings | J Grad Med Educ | 8.8 |
| Cory | 2019 | Rapid Cycle Deliberate Practice Versus Reflective Debriefing for Pediatric Septic Shock Training | Pediatr Crit Care Med | 11 |
| Denadai | 2013 | Acquisition of suture skills during medical graduation by instructor-directed training: a randomized controlled study comparing senior medical students and faculty surgeons | Updates Surg | 11 |
| Eismann | 2019 | Changes of collective orientation through a medical student's anaesthesia simulation course - simulation-based training study with non-technical skills debriefing versus medical debriefing | BMC Med Educ | 7 |
| Freytag | 2021 | Effects of using a cognitive aid on content and feasibility of debriefings of simulated emergencies | GMS J Med Educ | 9 |
| Gamboa | 2018 | Evaluation of two strategies for debriefing simulation in the development of skills for neonatal resuscitation: a randomized clinical trial | BMC Res Notes | 10 |
| Gantt | 2018 | Comparison of Debriefing Methods and Learning Outcomes in Human Patient Simulation | Clinical Simulation in Nursing | 8 |
| Gaylle | 2019 | In-simulation Debriefing Increases Therapeutic Communication Skills | Nurse Educ | 13 |
| Grant | 2014 | Comparing the effectiveness of video-assisted oral debriefing and oral debriefing alone on behaviors by undergraduate nursing students during high-fidelity simulation | Nurse Educ Pract | 10 |
| Ha | 2018 | Peer-Led Written Debriefing Versus Instructor-Led Oral Debriefing: Using Multimode Simulation | Clinical Simulation in Nursing | 7 |
| Ha | 2021 | Effects of hot and cold debriefing in simulation with case-based learning | Jpn J Nurs Sci | 10 |
| Haginoya | 2021 | The combination of feedback and modeling in online simulation training of child sexual abuse interviews improves interview quality in clinical psychologists | Child Abuse Negl | 11 |
| Halim | 2021 | The effect of verbal feedback, video feedback, and self-assessment on laparoscopic intracorporeal suturing skills in novices: a randomized trial | Surg Endosc | 11 |
| Herrmann-Werner | 2019 | Face yourself! - learning progress and shame in different approaches of video feedback: a comparative study | BMC Med Educ | 9 |
| Isaranuwatchai | 2016 | A cost-effectiveness analysis of self-debriefing versus instructor debriefing for simulated crises in perioperative medicine in Canada | J Educ Eval Health Prof | 12.5 |
| Kang | 2018 | Video Modeling and Video Feedback to Reduce Time to Perform Intravenous Cannulation in Medical Students: A Randomized-Controlled Mixed-Methods Study | Can J Anaesth | 11 |
| Kim | 2017 | Comparison of student self-debriefing versus instructor debriefing in nursing simulation: A quasi-experimental study | Nurse Educ Today | 8.5 |
| Kim | 2018 | Focused and Corrective Feedback Versus Structured and Supported Debriefing in a Simulation-Based Cardiac Arrest Team Training: A Pilot Randomized Controlled Study | Simul Healthc | 12 |
| Lee | 2016 | Instructor-led vs. peer-led debriefing in preoperative care simulation using standardized patients | Nurse Educ Today | 8 |
| Lee | 2019 | Optimizing the Timing of Expert Feedback During Simulation-Based Spaced Practice of Endourologic Skills | Simul Healthc | 12.5 |
| Lemke | 2019 | Comparing the learning effects of debriefing modalities for the care of premature infants | Nurs Health Sci | 8.5 |
| Lemke | 2021 | Improved Team Performance During Pediatric Resuscitations After Rapid Cycle Deliberate Practice Compared With Traditional Debriefing: A Pilot Study | Pediatr Emerg Care | 10 |
| Li | 2011 | Rapid-cycle deliberate practice improves time to defibrillation and reduces workload: A randomized controlled trial of simulation-based education | AEM Educ Train | 11.5 |
| Li | 2013 | Learning Impacts of Pretraining Video-Assisted Debriefing With Simulated Errors or Trainees' Errors in Medical Students in Basic Life Support Training: A Randomized Controlled Trial | Simul Healthc | 11 |
| Li | 2019 | Pre-training evaluation and feedback improve medical students' skills in basic life support | Med Teach | 13 |
| Lilot | 2018 | Pre-training evaluation and feedback improved skills retention of basic life support in medical students | Resuscitation | 13 |
| Magee | 2018 | Relaxation before Debriefing during High-fidelity Simulation Improves Memory Retention of Residents at Three Months: A Prospective Randomized Controlled Study | Anesthesiology | 12 |
| Manzone | 2014 | Improvement of Immediate Performance in Neonatal Resuscitation Through Rapid Cycle Deliberate Practice Training | J Grad Med Educ | 13 |
| Meny | 2019 | Task- versus ego-oriented feedback delivered as numbers or comments during intubation training | Medical Education | 14 |
| Mutter | 2021 | Assessment of student pharmacist learning within an interprofessional simulation: A comparison of small group vs. large group debriefing | Curr Pharm Teach Learn | 9 |
| Nazari | 2021 | Feedback Methods in an Interprofessional Mock Paging Program | Med Sci Educ | 12 |
| Oh | 2021 | Global versus task-specific postoperative feedback in surgical procedure learning | Surgery | 11 |
| Oikawa | 2016 | Effects of a transformative learning theory based debriefing in simulation: A randomized trial | Nurse Educ Pract | 9 |
| Ostovar | 2018 | Self-Debriefing vs Instructor Debriefing in a Pre-Internship Simulation Curriculum: Night on Call | Hawaii J Med Public Health | 6.5 |
| Paige | 2021 | Comparison of the effects of debriefing methods on psychomotor skills, self-confidence, and satisfaction in novice nursing students: A quasi-experimental study | J Adv Pharm Technol Res | 10 |
| Park | 2011 | Improvement in student-led debriefing analysis after simulation-based team training using a revised teamwork assessment tool | Surgery | 10 |
| Prakash | 2020 | Effect of feedback from standardized patients on medical students' performance and perceptions of the neurological examination | Med Teach | 9 |
| Rammell | 2018 | Prospective Randomized Controlled Trial of Video- Versus Recall-Assisted Reflection in Simulation-Based Teaching on Acquisition and Retention of Airway Skills Among Trainees Intubating Critically Ill Patients | Crit Care Med | 12 |
| Roh | 2016 | Asynchronous Unsupervised Video-Enhanced Feedback As Effective As Direct Expert Feedback in the Long-Term Retention of Practical Clinical Skills: Randomised Trial Comparing 2 Feedback Methods in a Cohort of Novice Medical Students | J Surg Educ | 11 |
| Rosman | 2019 | Comparison of instructor-led versus peer-led debriefing in nursing students | Nurs Health Sci | 11 |
| Rueda-Medina | 2021 | Rapid cycle deliberate practice vs. traditional simulation in a resource-limited setting | BMC Med Educ | 12 |
| Ruesseler | 2017 | Peer Debriefing Versus Instructor-Led Debriefing for Nursing Simulation | J Nurs Educ | 7.5 |
| Savoldelli | 2006 | The effect of video-assisted oral feedback versus oral feedback on surgical communicative competences in undergraduate training | Eur J Trauma Emerg Surg | 11 |
| Sawyer | 2012 | Value of debriefing during simulated crisis management: oral versus video-assisted oral feedback | Anesthesiology | 13 |
| Schober | 2019 | The effectiveness of video-assisted debriefing versus oral debriefing alone at improving neonatal resuscitation performance: a randomized trial | Simul Healthc | 14 |
| Soellner | 2022 | Effects of post-scenario debriefing versus stop-and-go debriefing in medical simulation training on skill acquisition and learning experience: a randomized controlled trial | BMC Med Educ | 11 |
| Raju | 2021 | Just showing is not enough: First-person-view-videos as a feedback tool in resuscitation simulation | Studies in Educational Evaluation | 11 |
| Tudor | 2020 | The Impact of a 9-Month Booster Training Using Rapid Cycle Deliberate Practice on Pediatric Resident PALS Skills | Simul Healthc | 12 |
| Van Heukelom | 2010 | The Equivalence of Video Self-review Versus Debriefing After Simulation: Can Faculty Resources Be Reallocated? | AEM Educ Train | 12 |
| Verkuyl | 2018 | Comparison of postsimulation debriefing versus in-simulation debriefing in medical simulation | Simul Healthc | 7.5 |
| Walsh | 2009 | Comparison of Debriefing Methods after a Virtual Simulation: An Experiment | Clinical Simulation in Nursing | 8 |
| Weiss | 2016 | Concurrent versus terminal feedback: it may be better to wait | Acad Med | 11 |
| Welke | 2009 | Why didn’t you say something? Effects of after-event reviews on voice behaviour and hierarchy beliefs in multi-professional action teams | European Journal of Work and Organizational Psychology | 13 |
| Wilbanks | 2020 | Personalized oral debriefing versus standardized multimedia instruction after patient crisis simulation | Anesth Analg | 13 |
| Won | 2022 | Comparison of Video-Facilitated Reflective Practice and Faculty-Led Debriefings | Clinical Simulation in Nursing | 13 |
| Wong | 2021 | Rapid Cycle Deliberate Practice Improves Retention of Pediatric Resuscitation Skills Compared With Postsimulation Debriefing | Simul Healthc | 13 |
| Xeroulis | 2007 | Rubric-based debriefing to enhance nursing students’ critical thinking via simulation | BMJ Simulation and Technology Enhanced Learning | 10 |
| Yang | 2021 | Teaching suturing and knot-tying skills to medical students: a randomized controlled study comparing computer-based video instruction and (concurrent and summary) expert feedback | Surgery | 13 |
| Yu | 2020 | Effectiveness of Debriefing for Meaningful Learning-based simulation training on high-risk neonatal care: A randomized controlled simulation study | Clinical Simulation in Nursing | 10 |