

Stanford



David M. Gaba, M.D.

Professor of Anesthesiology, Perioperative and Pain Medicine (MSD)

CONTACT INFORMATION

- **Administrative Contact**

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Bio

ACADEMIC APPOINTMENTS

- Professor, Anesthesiology, Perioperative and Pain Medicine

ADMINISTRATIVE APPOINTMENTS

- Associate Dean for Immersive and Simulation-based Learning, Stanford University School of Medicine, (2004- present)

HONORS AND AWARDS

- John M. Eisenberg Award for Individual Achievement in Quality and Patient Safety, The Joint Commission; and, National Quality Forum (7-20-2021)
- Honorary Doctorate in Education, University of Lapland, Rovaniemi, Finland (May, 2019)
- Dr. Larry Zaroff Man of Good Conscience Award (for promoting the careers of women in medicine), American Medical Women's Association (April, 2017)
- Pioneer in Simulation Award, Society for Simulation in Healthcare (January, 2017)
- Bernard H. Eliasberg Award, Icahn School of Medicine at Mount Sinai (April, 2015)
- Under Secretary for Health Award for Excellence in Clinical Simulation Training, Education & Rsch, United States Department of Veterans Affairs (January, 2011)
- David M. Worthen Award, United States Department of Veterans Affairs (2003)
- Kaiser Award for Outstanding Innovative Contribution to Medical Education, Stanford School of Medicine (2010)
- J.S. Gravenstein Award for Lifetime Achievement, Society for Technology in Anesthesia (January, 2011)
- IARS Teaching Achievement Award, International Anesthesia Research Society (2007)
- SEA/Duke Award for Innovation in Anesthesia Education, Society for Education in Anesthesia (October, 2003)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Founding Editor-in-Chief, Simulation in Healthcare, Society for Simulation in Healthcare (2016 - present)
- Simulation Education Task Force/Committee/Editorial Board -- (now emeritus consultant), American Society of Anesthesiologists (2004 - present)
- Board of Directors and Executive Committee, Anesthesia Patient Safety Foundation (1990 - 2019)
- Editor-in-Chief, Simulation in Healthcare, Society for Simulation in Healthcare (2004 - 2016)
- Board of Directors, Society for Simulation in Healthcare (2003 - 2016)

- Founding Board Member, Emergency Manuals Implementation Collaborative (2013 - present)

PROFESSIONAL EDUCATION

- MD, Yale School of Medicine , Medicine (1980)
- BS Engg, Northwestern University , Biomedical Engineering (1976)

LINKS

- Center for Immersive & Simulation-based Learning Web Page: <http://cisl.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Improving patient safety through a variety of means, including applying theories of organizational safety to health care; developing and testing the application of immersive and simulation-based techniques for education, training, performance assessment, and research, measuring and intervening in hospital safety cultures

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **The Many Worlds of Patient Safety in Anesthesiology.** *Anesthesiology*
Gaba, D. M.
2024; 141 (5): 819-821
- **Screening for hazardous attitudes among anaesthesiologists: a pilot study.** *British journal of anaesthesia*
Rask, J. P., Duran, H. T., DeClercq, J., Andreae, M., Anders, S., Banerjee, A., Burden, A. R., Levine, A. I., Shotwell, M. S., Sinz, E. H., Torsher, L. C., Gaba, D. M., Weinger, et al
2023
- **Adapting Cognitive Task Analysis Methods for Use in a Large Sample Simulation Study of High-Risk Healthcare Events** *JOURNAL OF COGNITIVE ENGINEERING AND DECISION MAKING*
Militello, L. G., Salwei, M. E., Reale, C., Sushereba, C., Slagle, J. M., Gaba, D., Weinger, M. B., Rask, J., Faiman, J., Andreae, M., Burden, A. R., Anders, S.
2023
- **New Guidelines on Human Factors in Critical Situations Should Save Lives, Hearts, and Brains.** *Anaesthesia, critical care & pain medicine*
Gaba, D. M.
2023: 101263
- **Decision-Making During High-Risk Events: A Systematic Literature Review.** *Journal of cognitive engineering and decision making*
Reale, C., Salwei, M. E., Militello, L. G., Weinger, M. B., Burden, A., Sushereba, C., Torsher, L. C., Andreae, M. H., Gaba, D. M., McIvor, W. R., Banerjee, A., Slagle, J., Anders, et al
2023; 17 (2): 188-212
- **Collaborative Use of Lung Mechanics Simulation for Testing and Iterative Design for Three Emergency Use Ventilation Device Projects.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Fanning, R. M., Gaba, D. M.
2022
- **A Simple Ventilator Designed To Be Used in Shortage Crises: Construction and Verification Testing.** *JMIR biomedical engineering*
Akerib, D. S., Ames, A., Breidenbach, M., Bressack, M., Breur, P. A., Charles, E., Gaba, D. M., Herbst, R., Ignarra, C. M., Luitz, S., Miller, E. H., Mong, B., Shutt, et al
2021; 6 (3): e26047

- **Reliability of simulation-based assessment for practicing physicians: performance is context-specific.** *BMC medical education*
Sinz, E., Banerjee, A., Steadman, R., Shotwell, M. S., Slagle, J., McIvor, W. R., Torsher, L., Burden, A., Cooper, J. B., DeMaria, S. J., Levine, A. I., Park, C., Gaba, et al
2021; 21 (1): 207
- **Clinical Uses and Impacts of Emergency Manuals During Perioperative Crises.** *Anesthesia and analgesia*
Goldhaber-Fiebert, S. N., Bereknyei Merrell, S., Agarwala, A. V., De La Cruz, M. M., Cooper, J. B., Howard, S. K., Asch, S. M., Gaba, D. M.
2020; 131 (6): 1815–26
- **Key performance gaps of practicing anesthesiologists: how they contribute to hazards in anesthesiology and proposals for addressing them** *INTERNATIONAL ANESTHESIOLOGY CLINICS*
Banerjee, A., Burden, A., Slagle, J. M., Gaba, D. M., Boulet, J. R., Torsher, L., DeMaria, S., Levine, A. I., Steadman, R. H., Sinz, E. H., Park, C., McIvor, W. R., Shotwell, et al
2020; 58 (1): 13-20
- **An Interview with David M. Gaba** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*
Cooper, J. B., Gaba, D. M.
2020; 47 (8): 463-468
- **De-escalating Angry Caregivers: A Randomized Controlled Trial of a Novel Communication Curriculum for Pediatric Residents.** *Academic pediatrics*
Hilgenberg, S. L., Bogetz, A. L., Leibold, C., Gaba, D., Blankenburg, R. L.
2018
- **Use of an Emergency Manual During an Intraoperative Cardiac Arrest by an Interprofessional Team: A Positive-Exemplar Case Study of a New Patient Safety Tool** *JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY*
Merrell, S., Gaba, D. M., Agarwala, A., Cooper, J. B., Nevedal, A. L., Asch, S. M., Howard, S. K., Goldhaber-Fiebert, S. N.
2018; 44 (8): 477–84
- **Priorities Related to Improving Healthcare Safety Through Simulation.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Paige, J. T., Terry Fairbanks, R. J., Gaba, D. M.
2018; 13 (3S Suppl 1): S41–S50
- **Live or Let Die: New Developments in the Ongoing Debate Over Mannequin Death.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Calhoun, A. W., Gaba, D. M.
2017; 12 (5): 279-281
- **Operating Room Crisis Checklists and Emergency Manuals.** *Anesthesiology*
Hepner, D. L., Arriaga, A. F., Cooper, J. B., Goldhaber-Fiebert, S. N., Gaba, D. M., Berry, W. R., Boorman, D. J., Bader, A. M.
2017; 127 (2): 384-392
- **Simulation-based Assessment of the Management of Critical Events by Board-certified Anesthesiologists.** *Anesthesiology*
Weinger, M. B., Banerjee, A., Burden, A. R., McIvor, W. R., Boulet, J., Cooper, J. B., Steadman, R., Shotwell, M. S., Slagle, J. M., DeMaria, S., Torsher, L., Sinz, E., Levine, et al
2017
- **A Taxonomy of Delivery and Documentation Deviations During Delivery of High-Fidelity Simulations** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
McIvor, W. R., Banerjee, A., Boulet, J. R., Bekhuis, T., Tseytlin, E., Torsher, L., DeMaria, S., Rask, J. P., Shotwell, M. S., Burden, A., Cooper, J. B., Gaba, D. M., Levine, et al
2017; 12 (1): 1-8
- **Summative Assessments Using Simulation Requires Safeguards.** *Anesthesia and analgesia*
Wen, L. Y., Gaba, D. M., Udani, A. D.
2017; 124 (1): 369
- **A Joint Leap into a Future of High-Quality Simulation Research-Standardizing the Reporting of Simulation Science.** *Simulation in healthcare*
Sevdalis, N., Nestel, D., Kardong-Edgren, S., Gaba, D. M.
2016; 11 (4): 236-237

- **My Time as Editor-in-Chief What a Long Strange Trip It's Been** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Gaba, D. M.
2016; 11 (4): 229-231
- **A joint leap into a future of high-quality simulation research-standardizing the reporting of simulation science.** *Advances in simulation (London, England)*
Sevdalis, N., Nestel, D., Kardong-Edgren, S., Gaba, D. M.
2016; 1: 24
- **Joint leap into a future of high-quality simulation research: standardising the reporting of simulation science.** *BMJ simulation & technology enhanced learning*
Sevdalis, N., Nestel, D., Kardong-Edgren, S., Gaba, D. M.
2016; 2 (3): 49-50
- **Introduction to Special Issue on Highly Communicable Disease Management** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Gaba, D. M.
2016; 11 (2): 71
- **Comparative-Effectiveness of Simulation-Based Deliberate Practice Versus Self-Guided Practice on Resident Anesthesiologists' Acquisition of Ultrasound-Guided Regional Anesthesia Skills.** *Regional anesthesia and pain medicine*
Udani, A. D., Harrison, T. K., Mariano, E. R., Derby, R., Kan, J., Ganaway, T., Shum, C., Gaba, D. M., Tanaka, P., Kou, A., Howard, S. K.
2016; 41 (2): 151-157
- **Evaluating the Impact of Classroom Education on the Management of Septic Shock Using Human Patient Simulation.** *Simulation in healthcare*
Lighthall, G. K., Bahmani, D., Gaba, D.
2016; 11 (1): 19-24
- **The Importance of Deception in Simulation A Response** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Calhoun, A., Pian-Smith, M. M., Truog, R. D., Gaba, D. M., Meyer, E. C.
2015; 10 (6): 387-390
- **Evaluation of a Standardized Program for Training Practicing Anesthesiologists in Ultrasound-Guided Regional Anesthesia Skills.** *Journal of ultrasound in medicine*
Mariano, E. R., Harrison, T. K., Kim, T. E., Kan, J., Shum, C., Gaba, D. M., Ganaway, T., Kou, A., Udani, A. D., Howard, S. K.
2015; 34 (10): 1883-1893
- **Eye Tracking to Acquire Insight Into the Cognitive Processes of Clinicians: Is "Looking" the Same as "Seeing"?** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Stiegler, M. P., Gaba, D. M.
2015; 10 (5): 329-330
- **Decision-making and cognitive strategies.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Stiegler, M. P., Gaba, D. M.
2015; 10 (3): 133-8
- **Deception and simulation education: issues, concepts, and commentary.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Calhoun, A. W., Pian-Smith, M. C., Truog, R. D., Gaba, D. M., Meyer, E. C.
2015; 10 (3): 163-9
- **Practice Improvements Based on Participation in Simulation for the Maintenance of Certification in Anesthesiology Program** *ANESTHESIOLOGY*
Steadman, R. H., Burden, A. R., Huang, Y. M., Gaba, D. M., Cooper, J. B.
2015; 122 (5): 1154-1169
- **Simulation as a critical resource in the response to Ebola virus disease.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Gaba, D. M.
2014; 9 (6): 337-8
- **This is not a test!: Misconceptions surrounding the maintenance of certification in anesthesiology simulation course.** *Anesthesiology*
Weinger, M. B., Burden, A. R., Steadman, R. H., Gaba, D. M.

2014; 121 (3): 655-9

- **Human factors engineering in patient safety.** *Anesthesiology*
Weinger, M. B., Gaba, D. M.
2014; 120 (4): 801-806
- **Towards meaningful simulation-based learning with medical students and junior physicians** *MEDICAL TEACHER*
Keskitalo, T., Ruokamo, H., Gaba, D.
2014; 36 (3): 230-239
- **Perioperative Cognitive Aids in Anesthesia: What, Who, How, and Why Bother?** *ANESTHESIA AND ANALGESIA*
Gaba, D. M.
2013; 117 (5): 1033-1036
- **Improving patient care through leadership engagement with frontline staff: a Department of Veterans Affairs case study.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*
Singer, S. J., Rivard, P. E., Hayes, J. E., Shokeen, P., Gaba, D., Rosen, A.
2013; 39 (8): 349-360
- **Perspective: thorniest issues in healthcare.** *Biomedical instrumentation & technology / Association for the Advancement of Medical Instrumentation*
Gaba, D. M.
2013; 47 (4): 299-303
- **Simulations That Are Challenging to the Psyche of Participants How Much Should We Worry and About What?** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Gaba, D. M.
2013; 8 (1): 4-7
- **Healthcare facilitators' and students' conceptions of teaching and learning - An international case study** *INTERNATIONAL JOURNAL OF EDUCATIONAL RESEARCH*
Keskitalo, T., Ruokamo, H., Vaisanen, O., Gaba, D.
2013; 62: 175-186
- **Essential Simulation in Clinical Education Foreword** *ESSENTIAL SIMULATION IN CLINICAL EDUCATION*
Gaba, D. M., Forrest, K., McKimm, J., Edgar, S.
2013: X-XI
- **Preliminary Study of Ergonomic Behavior During Simulated Ultrasound-Guided Regional Anesthesia Using a Head-Mounted Display** *JOURNAL OF ULTRASOUND IN MEDICINE*
Udani, A. D., Harrison, T. K., Howard, S. K., Kim, T. E., Brock-Utne, J. G., Gaba, D. M., Mariano, E. R.
2012; 31 (8): 1277-1280
- **External Validation of Simulation-Based Assessments With Other Performance Measures of Third-Year Anesthesiology Residents** *SIMULATION IN HEALTHCARE*
Mudumbai, S. C., Gaba, D. M., Boulet, J. R., Howard, S. K., Davies, M. F.
2012; 7 (2): 73-80
- **Adapting Space Science Methods for Describing and Planning Research in Simulation in Healthcare Science Traceability and Decadal Surveys** *SIMULATION IN HEALTHCARE-JOURNAL OF THE SOCIETY FOR SIMULATION IN HEALTHCARE*
Gaba, D. M.
2012; 7 (1): 27-31
- **A Remarkable Journal Impact Factor for Simulation in Healthcare** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2011; 6 (6): 313-315
- **Reporting Inquiry in Simulation** *SIMULATION IN HEALTHCARE*
Kardong-Edgren, S., Gaba, D., Dieckmann, P., Cook, D. A.
2011; 6: S63-S66
- **Where Do We Come From? What Are We? Where Are We Going?** *SIMULATION IN HEALTHCARE*

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- Gaba, D. M.
2011; 6 (4): 195-196
- **Feasibility of an internet-based global ranking instrument.** *Journal of graduate medical education*
Mudumbai, S. C., Gaba, D. M., Boulet, J., Howard, S. K., Davies, M. F.
2011; 3 (1): 67-74
 - **Training and Nontechnical Skills: The Politics of Terminology** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2011; 6 (1): 8-10
 - **Have we gone too far in translating ideas from aviation to patient safety? No** *BRITISH MEDICAL JOURNAL*
Gaba, D. M.
2011; 342
 - **Hospital safety climate and safety outcomes: is there a relationship in the VA?** *Medical care research and review*
Rosen, A. K., Singer, S., Shibe Zhao, Shokeen, P., Meterko, M., Gaba, D.
2010; 67 (5): 590-608
 - **Editorial on Veterinary Simulation** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2010; 5 (5): 260
 - **Not So Fast With the Prettiest Baby Award Please! Response** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2010; 5 (4): 254
 - **Crisis resource management and teamwork training in anaesthesia** *BRITISH JOURNAL OF ANAESTHESIA*
Gaba, D. M.
2010; 105 (1): 3-6
 - **Use of Medical Simulation to Explore Equipment Failures and Human-Machine Interactions in Anesthesia Machine Pipeline Supply Crossover** *ANESTHESIA AND ANALGESIA*
Mudumbai, S. C., Fanning, R., Howard, S. K., Davies, M. F., Gaba, D. M.
2010; 110 (5): 1292-1296
 - **Comparing safety climate in naval aviation and hospitals: Implications for improving patient safety** *HEALTH CARE MANAGEMENT REVIEW*
Singer, S. J., Rosen, A., Zhao, S., Ciavarelli, A. P., Gaba, D. M.
2010; 35 (2): 134-146
 - **The Pharmaceutical Analogy for Simulation: A Policy Perspective** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2010; 5 (1): 5-7
 - **Comparing Safety Climate between Two Populations of Hospitals in the United States** *HEALTH SERVICES RESEARCH*
Singer, S. J., Hartmann, C. W., Hanchate, A., Zhao, S., Meterko, M., Shokeen, P., Lin, S., Gaba, D. M., Rosen, A. K.
2009; 44 (5): 1563-1584
 - **Identifying organizational cultures that promote patient safety** *HEALTH CARE MANAGEMENT REVIEW*
Singer, S. J., Falwell, A., Gaba, D. M., Meterko, M., Rosen, A., Hartmann, C. W., Baker, L.
2009; 34 (4): 300-311
 - **How does patient safety culture in the operating room and post-anesthesia care unit compare to the rest of the hospital?** *AMERICAN JOURNAL OF SURGERY*
Kaafarani, H. M., Itani, K. M., Rosen, A. K., Zhao, S., Hartmann, C. W., Gaba, D. M.
2009; 198 (1): 70-75
 - **Do As We Say, Not As You Do: Using Simulation to Investigate Clinical Behavior in Action** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2009; 4 (2): 67-69

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- **Relationship of Hospital Organizational Culture to Patient Safety Climate in the Veterans Health Administration** *MEDICAL CARE RESEARCH AND REVIEW*
Hartmann, C. W., Meterko, M., Rosen, A. K., Zhao, S., Shokeen, P., Singer, S., Gaba, D. M.
2009; 66 (3): 320-338
 - **Coordination Patterns Related to High Clinical Performance in a Simulated Anesthetic Crisis** *ANESTHESIA AND ANALGESIA*
Manser, T., Harrison, T. K., Gaba, D. M., Howard, S. K.
2009; 108 (5): 1606-1615
 - **Procedural Risks in Thoracentesis Process, Progress, and Proficiency** *CHEST*
Gaba, D. M., Dunn, W. F.
2009; 135 (5): 1120-1123
 - **Relationship of Safety Climate and Safety Performance in Hospitals** *HEALTH SERVICES RESEARCH*
Singer, S., Lin, S., Falwell, A., Gaba, D., Baker, L.
2009; 44 (2): 399-421
 - **Patient Safety Climate in 92 US Hospitals Differences by Work Area and Discipline** *MEDICAL CARE*
Singer, S. J., Gaba, D. M., Falwell, A., Lin, S., Hayes, J., Baker, L.
2009; 47 (1): 23-31
 - **Improvement in coronary anastomosis with cardiac surgery simulation** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Fann, J. I., Caffarelli, A. D., Georgette, G., Howard, S. K., Gaba, D. M., Youngblood, P., Mitchell, S., Burdon, T. A.
2008; 136 (6): 1486-1491
 - **Patient Safety Climate in US Hospitals Variation by Management Level** *MEDICAL CARE*
Singer, S. J., Falwell, A., Gaba, D. M., Baker, L. C.
2008; 46 (11): 1149-1156
 - **An overview of patient safety climate in the VA** *HEALTH SERVICES RESEARCH*
Hartmann, C. W., Rosen, A. K., Meterko, M., Shokeen, P., Zhao, S., Singer, S., Falwell, A., Gaba, D. M.
2008; 43 (4): 1263-1284
 - **Challenges and Opportunities in Simulation and Assessment** *SIMULATION IN HEALTHCARE*
Glavin, R. J., Gaba, D. M.
2008; 3 (2): 69-71
 - **Recruitment of hospitals for a safety climate study: facilitators and barriers.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*
Rosen, A. K., Gaba, D. M., Meterko, M., Shokeen, P., Singer, S., Zhao, S., Labonte, A., Falwell, A.
2008; 34 (5): 275-284
 - **Out of this nettle, danger, we pluck this flower, safety: healthcare vs. aviation and other high-hazard industries (vol 4, pg 213, 2007)** *SIMULATION IN HEALTHCARE*
Gaba, D. M.
2008; 3 (1): 57
 - **Differences in safety climate among hospital anesthesia departments and the effect of a realistic simulation-based training program** *ANESTHESIA AND ANALGESIA*
Cooper, J. B., Blum, R. H., Carroll, J. S., Dershwitz, M., Feinstein, D. M., Gaba, D. M., Morey, J. C., Singla, A. K.
2008; 106 (2): 574-584
 - **Trauma training in simulation: Translating skills from SIM time to real time** *66th Annual Meeting of the American-Association-for-the-Surgery-of-Trauma*
Knudson, M. M., Khaw, L., Bullard, M. K., Dicker, R., Cohen, M. J., Staudenmayer, K., Sadjadi, J., Howard, S., Gaba, D., Krummel, T.
LIPPINCOTT WILLIAMS & WILKINS.2008: 255-63
 - **Adaptive coordination in cardiac anaesthesia: a study of situational changes in coordination patterns using a new observation system** *ERGONOMICS*
Manser, T., Howard, S. K., Gaba, D. M.
2008; 51 (8): 1153-1178

- **Simulation-Based Learning as an Educational Tool** *ANESTHESIA INFORMATICS*
Fanning, R., Gaba, D., Stonemetz, J., Ruskin, K.
2008; 459-79
- **Workforce perceptions of hospital safety culture: Development and validation of the patient safety climate in healthcare organizations survey** *HEALTH SERVICES RESEARCH*
Singer, S., Meterko, M., Baker, L., Gaba, D., Falwell, A., Rosen, A.
2007; 42 (5): 1999-2021
- **Deepening the theoretical foundations of patient simulation as social practice.** *Simulation in healthcare*
Dieckmann, P., Gaba, D., Rall, M.
2007; 2 (3): 183-193
- **The role of debriefing in simulation-based learning.** *Simulation in healthcare*
Fanning, R. M., Gaba, D. M.
2007; 2 (2): 115-125
- **The tide is turning: organizational structures to embed simulation in the fabric of healthcare.** *Simulation in healthcare*
Gaba, D. M., Raemer, D.
2007; 2 (1): 1-3
- **Safety culture: Is the "unit" the right "unit of analysis"?** *CRITICAL CARE MEDICINE*
Gaba, D. M., Singer, S. J., Rosen, A. K.
2007; 35 (1): 314-316
- **Out of this nettle, danger, we pluck this flower, safety: healthcare vs. aviation and other high-hazard industries.** *Simulation in healthcare*
Gaba, D. M.
2007; 2 (4): 213-217
- **Improving alertness and performance in emergency department physicians and nurses: The use of planned naps** *ANNALS OF EMERGENCY MEDICINE*
Smith-Coggins, R., Howard, S. K., Mac, D. T., Wang, C., Kwan, S., Rosekind, M. R., Sowb, Y., Ballise, R., Levis, J., Gaba, D. M.
2006; 48 (5): 596-604
- **Use of cognitive aids in a simulated anesthetic crisis** *ANESTHESIA AND ANALGESIA*
Harrison, T. K., Manser, T., Howard, S. K., Gaba, D. M.
2006; 103 (3): 551-556
- **What's in a name? A mannequin by any other name would work as well.** *Simulation in healthcare*
Gaba, D. M.
2006; 1 (2): 64-65
- **Clinicians' recognition of the Ohmeda Modulus II plus and Ohmeda Excel 210 SE anesthesia machine system mode and function.** *Simulation in healthcare*
Sowb, Y. A., Howard, S. K., Raemer, D. B., Feinstein, D., Fish, K. J., Gaba, D. M.
2006; 1 (1): 26-31
- **So many roads: facilitated debriefing in healthcare.** *Simulation in healthcare*
Dismukes, R. K., Gaba, D. M., Howard, S. K.
2006; 1 (1): 23-25
- **To simulate or not to simulate what is the question?** *ANNALS OF SURGERY*
Dutta, S., Gaba, D., Krummel, T. M.
2006; 243 (3): 301-303
- **The future's here. We are it.** *Simulation in healthcare*
Gaba, D. M.
2006; 1: 1-2
- **Safe passage - using simulation to teach patient safety** *CLINICAL TEACHER*
Harrison, T., Gaba, D. M.
2005; 2 (1): 37-41

- **What makes a "good" anesthesiologist?** *ANESTHESIOLOGY*
Gaba, D. M.
2004; 101 (5): 1061-1063
- **The future vision of simulation in health care** *QUALITY & SAFETY IN HEALTH CARE*
Gaba, D. M.
2004; 13: 12-110
- **Does CRM training change a house staffs' perception of the importance of technical versus non-technical factors in the management of medical emergencies?**
Lighthall, G. K., Harrison, T. K., Barr, J., Gaba, D.
LIPPINCOTT WILLIAMS & WILKINS.2004: S28
- **The use of cognitive aids in simulated anesthetic crises**
Harrison, T. K., Manser, T., Howard, S. K., Gaba, D. M.
LIPPINCOTT WILLIAMS & WILKINS.2004: S25
- **Validation of simulation-based training in neonatal resuscitation: Use of heart rate variability as marker for mental workload** *Annual Meeting of the Pediatric-Academic-Societies*
Murphy, A. A., Kaegi, D. M., Gobble, R., Dubin, A., Howard, S. K., Gaba, D. M., Sowb, Y. A., Halamek, L. P.
NATURE PUBLISHING GROUP.2004: 353A-353A
- **Trainee fatigue: Are new limits on work hours enough?** *CANADIAN MEDICAL ASSOCIATION JOURNAL*
Howard, S. K., Gaba, D. M.
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