



Lou Halamek

Professor of Pediatrics (Neonatology) at the Lucile Packard Children's Hospital and, by courtesy, of Obstetrics and Gynecology at the Stanford University Medical Center

Pediatrics - Neonatal and Developmental Medicine

CLINICAL OFFICES

- **Neonatal Intensive Care Unit**

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Bio

BIO

Louis P. Halamek, M.D., is a Professor in the Medical Center Professoriate in the Division of Neonatal and Developmental Medicine, Department of Pediatrics, and the Division of Maternal-Fetal Medicine, Department of Gynecology and Obstetrics (by courtesy) at Stanford University. He is a graduate of the Creighton University School of Medicine and completed residency and chief residency in Pediatrics at the University of Nebraska Medical Center followed by fellowship in Neonatal-Perinatal Medicine at Stanford University. He is certified by the American Board of Pediatrics in Neonatal-Perinatal Medicine and is a Fellow in the American Academy of Pediatrics (AAP). He has a clinical appointment at Lucile Packard Children's Hospital at Stanford where he works in the level IV neonatal intensive care unit and is the Director of Neonatal Resuscitation.

Through ongoing collaboration with colleagues at NASA Johnson Space Center, NASA Ames Research Center, the Federal Aviation Administration and the Department of Aviation at St. Louis University, Dr. Halamek has learned the benefits of a cross-industries approach to risk assessment, safety and effectiveness. His current work centers on the development of hospital operations centers linked with sophisticated simulation capabilities, optimization of human performance during high-risk activities such as resuscitation, and analysis of human and system error. Dr. Halamek is the founding Director of the Center for Advanced Pediatric and Perinatal Education (CAPE, <http://cape.stanford.edu>), the world's first center dedicated to fetal, neonatal, pediatric and obstetric simulation-based training and research. He has served on the Board of Directors of the both the International Pediatric Simulation Society and the Society for Simulation in Healthcare. He is a former Co-Chair and current Special Consultant in Simulation- and Virtual Reality-based Learning to the U.S. Neonatal Resuscitation Program (NRP) and a Member of the National Steering Committee of the Section on Simulation and Innovative Learning Methods (SILM) of the AAP and is also a member of the Neonatal Delegation to the International Liaison Committee on Resuscitation (ILCOR).

CLINICAL FOCUS

- Neonatal-Perinatal Medicine
- Neonatology
- Neonatal Intensive Care
- Neonatal Resuscitation
- Cardiopulmonary Resuscitation
- Extracorporeal Membrane Oxygenation
- High Frequency Ventilation
- Prenatal Consultation
- Human Factors Analysis
- Human Performance Optimization
- Patient Safety
- Risk Management
- Risk Assessment
- Patient Simulation
- Debriefing - Technical

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pediatrics - Neonatal and Developmental Medicine
- Professor - Med Center Line (By courtesy), Obstetrics & Gynecology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Senior Fellow, Center for Aviation Safety Research (CASR), Department of Aviation, Parks College of Engineering, Aviation and Technology, St. Louis University, (2010- present)
- Executive Committee, Safety Across High Consequences Industries (SAHI), Department of Aviation Parks College of Engineering, Aviation and Technology, St. Louis University, (2005- present)
- National Steering Committee, Neonatal Resuscitation Program (NRP), American Academy of Pediatrics (AAP), (2001- present)
- Director, Fellowship Training Program in Neonatal-Perinatal Medicine, Department of Pediatrics, Stanford University, (1993-2013)
- Associate Program Director, Neonatal and Developmental Biology Program, Stanford University, (1993- present)
- Associate Chief, Education, Division of Neonatal and Developmental Medicine, Department of Pediatrics, Stanford University, (2000- present)
- Director, Center for Advanced Pediatric and Perinatal Education (CAPE), Packard Children's Hospital at Stanford, (2002- present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Neonatology Fellowship (1993) CA
- Residency: University of Nebraska Pediatrics Residency Program (1990) NE
- Residency: University of Nebraska Pediatrics Residency Program (1989) NE
- Internship: University of Nebraska Pediatrics Residency Program (1987) NE
- Medical Education: Creighton University School of Medicine Registrar (1986) NE
- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (1993)

LINKS

- Center for Advanced Pediatric and Perinatal Education: <http://cape.lpch.org>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My current research interests are focused on development of hospital operations centers coupled with sophisticated simulation capabilities, re-creation of clinical near misses and adverse events, optimization of human and system performance during resuscitation, enhancing pattern recognition and situational awareness at the bedside, evaluation and optimization of debriefing, and patient simulator design.

Publications

PUBLICATIONS

- **Understanding the Heterogeneity of Labor and Delivery Units: Using Design Thinking Methodology to Assess Environmental Factors that Contribute to Safety in Childbirth** *AMERICAN JOURNAL OF PERINATOLOGY*
Sherman, J. P., Hedli, L. C., Kristensen-Cabrera, A. I., Lipman, S. S., Schwandt, D., Lee, H. C., Sie, L., Halamek, L. P., Austin, N. S., Safety Learning Lab Neonatal Mate
2020; 37 (6): 638–46
- **Validation of an Instrument for Real-Time Assessment of Neonatal Intubation Skills: A Randomized Controlled Simulation Study.** *American journal of perinatology*
Kuijpers, L. J., Binkhorst, M., Yamada, N. K., Bouwmeester, R. N., van Heijst, A. F., Halamek, L. P., Hogeveen, M.
2020
- **Appraisal of a scoring instrument for training and testing neonatal intubation skills** *ARCHIVES OF DISEASE IN CHILDHOOD-FETAL AND NEONATAL EDITION*
Bouwmeester, R. N., Binkhorst, M., Yamada, N. K., Geurtzen, R., van Heijst, A. J., Halamek, L. P., Draaisma, J. T., Hogeveen, M.
2019; 104 (5): F521–F527
- **Using briefing, simulation and debriefing to improve human and system performance.** *Seminars in perinatology*
Halamek, L. P., Cady, R. A., Sterling, M. R.
2019; 151178
- **Simulation in Neonatal-Perinatal Medicine Fellowship Programs.** *American journal of perinatology*
Sawyer, T., Stavroudis, T. A., Ades, A., Dadiz, R., Dammann, C. E., Halamek, L. P., Moussa, A., Soghier, L., Gupta, A., Aliaga, S., Umoren, R., French, H., Organization of Neonatal-Perinatal Training Program Directors Task Force on Simulation
2019
- **Ergonomic Challenges Inherent in Neonatal Resuscitation.** *Children (Basel, Switzerland)*
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2019; 6 (6)
- **Understanding the Heterogeneity of Labor and Delivery Units: Using Design Thinking Methodology to Assess Environmental Factors that Contribute to Safety in Childbirth.** *American journal of perinatology*
Sherman, J. P., Hedli, L. C., Kristensen-Cabrera, A. I., Lipman, S. S., Schwandt, D., Lee, H. C., Sie, L., Halamek, L. P., Austin, N. S.
2019
- **Analyzing the heterogeneity of labor and delivery units: A quantitative analysis of space and design** *PLOS ONE*
Austin, N., Kristensen-Cabrera, A., Sherman, J., Schwandt, D., McDonald, A., Hedli, L., Sie, L., Lipman, S., Daniels, K., Halamek, L. P., Lee, H. C.
2018; 13 (12)
- **Appraisal of a scoring instrument for training and testing neonatal intubation skills.** *Archives of disease in childhood. Fetal and neonatal edition*
Bouwmeester, R. N., Binkhorst, M., Yamada, N. K., Geurtzen, R., van Heijst, A. F., Halamek, L. P., Draaisma, J. M., Hogeveen, M.
2018
- **Perspectives on periviability counselling and decision-making differed between neonatologists in the United States and the Netherlands** *ACTA PAEDIATRICA*
Schrijvers, N. M., Geurtzen, R., Draaisma, J. T., Halamek, L. P., Yamada, N. K., Hogeveen, M.
2018; 107 (10): 1710–15
- **Optimal human and system performance during neonatal resuscitation.** *Seminars in fetal & neonatal medicine*
Yamada, N. K., Kamlin, C. O., Halamek, L. P.
2018
- **Analyzing the heterogeneity of labor and delivery units: A quantitative analysis of space and design.** *PloS one*
Austin, N., Kristensen-Cabrera, A., Sherman, J., Schwandt, D., McDonald, A., Hedli, L., Sie, L., Lipman, S., Daniels, K., Halamek, L. P., Lee, H. C.
2018; 13 (12): e0209339
- **Training Pediatric Fellows in Palliative Care: a Comparison of Simulation-Based Training and Didactic Education**

- Brock, K., Cohen, H., Sourkes, B., Good, J., Halamek, L.
WILEY.2017: S65–S66
- **Simulation-Based Patient-Specific Multidisciplinary Team Training in Preparation for the Resuscitation and Stabilization of Conjoined Twins** *AMERICAN JOURNAL OF PERINATOLOGY*
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2017; 34 (6): 621-626
 - **Training Pediatric Fellows in Palliative Care: A Pilot Comparison of Simulation Training and Didactic Education.** *Journal of palliative medicine*
Brock, K. E., Cohen, H. J., Sourkes, B. M., Good, J. J., Halamek, L. P.
2017
 - **Effects of delivery room quality improvement on premature infant outcomes** *JOURNAL OF PERINATOLOGY*
Lapcharoensap, W., Bennett, M. V., Powers, R. J., Finer, N. N., Halamek, L. P., Gould, J. B., Sharek, P. J., Lee, H. C.
2017; 37 (4): 349-354
 - **Opportunities to Foster Efficient Communication in Labor and Delivery Using Simulation.** *AJP reports*
Daniels, K., Hamilton, C., Crowe, S., Lipman, S. S., Halamek, L. P., Lee, H. C.
2017; 7 (1): e44-e48
 - **Effects of delivery room quality improvement on premature infant outcomes.** *Journal of perinatology*
Lapcharoensap, W., Bennett, M. V., Powers, R. J., Finer, N. N., Halamek, L. P., Gould, J. B., Sharek, P. J., Lee, H. C.
2016
 - **Simulation-Based Patient-Specific Multidisciplinary Team Training in Preparation for the Resuscitation and Stabilization of Conjoined Twins.** *American journal of perinatology*
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2016: -?
 - **Simulation and debriefing in neonatology 2016: Mission incomplete** *SEMINARS IN PERINATOLOGY*
Halamek, L. P.
2016; 40 (7): 489-493
 - **Leveraging Health Care Simulation Technology for Human Factors Research: Closing the Gap Between Lab and Bedside** *HUMAN FACTORS*
Deutsch, E. S., Dong, Y., Halamek, L. P., Rosen, M. A., Taekman, J. M., Rice, J.
2016; 58 (7): 1082–95
 - **Implementing Delivery Room Checklists and Communication Standards in a Multi-Neonatal ICU Quality Improvement Collaborative.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*
Bennett, S. C., Finer, N., Halamek, L. P., Mickas, N., Bennett, M. V., Nisbet, C. C., Sharek, P. J.
2016; 42 (8): 369-376
 - **Post-event debriefings during neonatal care: why are we not doing them, and how can we start?** *JOURNAL OF PERINATOLOGY*
Sawyer, T., Loren, D., Halamek, L. P.
2016; 36 (6): 415–19
 - **Impact of Standardized Communication Techniques on Errors during Simulated Neonatal Resuscitation.** *American journal of perinatology*
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2016; 33 (4): 385-392
 - **Modification of the Neonatal Resuscitation Program Algorithm for Resuscitation of Conjoined Twins.** *American journal of perinatology*
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2016; 33 (4): 420-424
 - **Improving Training in Palliative Care for Pediatric Fellows - A Simulation-Based Multi-Institution Trial**
Brock, K., Cohen, H., Sourkes, B., Good, J., Halamek, L.
ELSEVIER SCIENCE INC.2016: 323–24
 - **Analysis and classification of errors made by teams during neonatal resuscitation** *RESUSCITATION*
Yamada, N. K., Yaeger, K. A., Halamek, L. P.
2015; 96: 109-113

- **Reliability and Validity of the Pediatric Palliative Care Questionnaire for Measuring Self-Efficacy, Knowledge, and Adequacy of Prior Medical Education among Pediatric Fellows** *JOURNAL OF PALLIATIVE MEDICINE*
Brock, K. E., Cohen, H. J., Popat, R. A., Halamek, L. P.
2015; 18 (10): 842-848
- **Impact of a novel decision support tool on adherence to Neonatal Resuscitation Program algorithm** *RESUSCITATION*
Fuerch, J. H., Yamada, N. K., Coelho, P. R., Lee, H. C., Halamek, L. P.
2015; 88: 52-56
- **On the need for precise, concise communication during resuscitation: a proposed solution.** *journal of pediatrics*
Yamada, N. K., Halamek, L. P.
2015; 166 (1): 184-187
- **Analysis and classification of errors made by teams during neonatal resuscitation.** *Resuscitation*
Yamada, N. K., Yaeger, K. A., Halamek, L. P.
2015; 96: 109-113
- **IMPACT OF STANDARDIZED COMMUNICATION TECHNIQUES ON ERRORS DURING SIMULATED NEONATAL RESUSCITATION**
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
LIPPINCOTT WILLIAMS & WILKINS.2015: 99-100
- **IMPROVING DIAGNOSTIC ACCURACY & EFFICIENCY BY OPTIMIZATION OF BEDSIDE DATA DISPLAY**
Fuerch, J., Yamada, N. K., Halamek, L. P.
LIPPINCOTT WILLIAMS & WILKINS.2015: 101
- **Communication during resuscitation: Time for a change?** *RESUSCITATION*
Yamada, N. K., Halamek, L. P.
2014; 85 (12): E191-E192
- **Implementation Methods for Delivery Room Management: A Quality Improvement Comparison Study** *PEDIATRICS*
Lee, H. C., Powers, R. J., Bennett, M. V., Finer, N. N., Halamek, L. P., Nisbet, C., Crockett, M., Chance, K., Blackney, D., von Koehler, C., Kurtin, P., Sharek, P. J.
2014; 134 (5): E1378-E1386
- **Implementation methods for delivery room management: a quality improvement comparison study.** *Pediatrics*
Lee, H. C., Powers, R. J., Bennett, M. V., Finer, N. N., Halamek, L. P., Nisbet, C., Crockett, M., Chance, K., Blackney, D., von Köhler, C., Kurtin, P., Sharek, P. J.
2014; 134 (5): e1378-86
- **Using simulation to study difficult clinical issues: prenatal counseling at the threshold of viability across american and dutch cultures.** *Simulation in healthcare*
Geurtzen, R., Hogeveen, M., Rajani, A. K., Chitkara, R., Antonius, T., Van Heijst, A., Draaisma, J., Halamek, L. P.
2014; 9 (3): 167-173
- **The Neonatal Resuscitation Program: Current Recommendations and a Look at the Future** *INDIAN JOURNAL OF PEDIATRICS*
Kumar, P., Yamada, N. K., Fuerch, J. H., Halamek, L. P.
2014; 81 (5): 473-480
- **The society for obstetric anesthesia and perinatology consensus statement on the management of cardiac arrest in pregnancy.** *Anesthesia and analgesia*
Lipman, S., Cohen, S., Einav, S., Jeejeebhoy, F., Mhyre, J. M., Morrison, L. J., Katz, V., Tsen, L. C., Daniels, K., Halamek, L. P., Suresh, M. S., Arafah, J., Gauthier, et al
2014; 118 (5): 1003-1016
- **Variability of characteristics and outcomes following cardiopulmonary resuscitation events in diverse ICU settings in a single, tertiary care children's hospital*.** *Pediatric critical care medicine*
Gupta, P., Yan, K., Chow, V., Dao, D. T., Gossett, J. M., Leong, K., Franzon, D., Halamek, L. P., Reddy, S., Berg, R. A., Roth, S. J., Nadkarni, V. M.
2014; 15 (3): e128-41
- **Variability of Characteristics and Outcomes Following Cardiopulmonary Resuscitation Events in Diverse ICU Settings in a Single, Tertiary Care Children's Hospital*.** *Pediatric critical care medicine*
Gupta, P., Yan, K., Chow, V., Dao, D. T., Gossett, J. M., Leong, K., Franzon, D., Halamek, L. P., Reddy, S., Berg, R. A., Roth, S. J., Nadkarni, V. M.
2014; 15 (3): e128-41

- **IMPACT OF A NOVEL DECISION SUPPORT TOOL ON ADHERENCE TO NEONATAL RESUSCITATION PROGRAM ALGORITHM**
Fuerch, J., Yamada, N. K., Coehlo, P., Vale, B., Halamek, L. P.
LIPPINCOTT WILLIAMS & WILKINS.2014: 154
- **IMPACT OF STANDARDIZED COMMUNICATION TECHNIQUES ON ERRORS DURING NEONATAL RESUSCITATION**
Yamada, N. K., Fuerch, J. H., Halamek, L. P.
LIPPINCOTT WILLIAMS & WILKINS.2014: 266–67
- **Simulation as a methodology for assessing the performance of healthcare professionals working in the delivery room.** *Seminars in fetal & neonatal medicine*
Halamek, L. P.
2013; 18 (6): 369-372
- **Editorial: Bringing latent safety threats out into the open.** *Joint Commission journal on quality and patient safety / Joint Commission Resources*
Halamek, L. P.
2013; 39 (6): 267-?
- **Anterolateral congenital diaphragmatic hernia with omphalocele: A case report and literature review** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Scahill, M. D., Maak, P., Kunder, C., Halamek, L. P.
2013; 161A (3): 585-588
- **The accuracy of human senses in the detection of neonatal heart rate during standardized simulated resuscitation: implications for delivery of care, training and technology design.** *Resuscitation*
Chitkara, R., Rajani, A. K., Oehlert, J. W., Lee, H. C., Epi, M. S., Halamek, L. P.
2013; 84 (3): 369-372
- **Comparing the utility of a novel neonatal resuscitation cart with a generic code cart using simulation: a randomised, controlled, crossover trial** *BMJ QUALITY & SAFETY*
Chitkara, R., Rajani, A. K., Lee, H. C., Hansen, S. F., Halamek, L. P.
2013; 22 (2): 124-129
- **Simulation-based learning combined with debriefing: trainers satisfaction with a new approach to training the trainers to teach neonatal resuscitation.** *BMC research notes*
Amin, H. J., Aziz, K., Halamek, L. P., Beran, T. N.
2013; 6: 251
- **A FINANCIAL COMPARISON SUPPORTING MULTIDISCIPLINARY OBSTETRICS SIMULATION OVER TRADITIONAL NURSING EDUCATION IN LABOR AND DELIVERY EMERGENCY MANAGEMENT**
Stone, S., Daniels, K., Halamek, L., Puck, A.
LIPPINCOTT WILLIAMS & WILKINS.2013: 128
- **Anterolateral congenital diaphragmatic hernia with omphalocele: a case report and literature review.** *American journal of medical genetics. Part A*
Scahill, M. D., Maak, P., Kunder, C., Halamek, L. P.
2013; 161 (3): 585–88
- **The Delivery Room of the Future The Fetal and Neonatal Resuscitation and Transition Suite** *CLINICS IN PERINATOLOGY*
Finer, N. N., Rich, W., Halamek, L. P., Leone, T. A.
2012; 39 (4): 931-939
- **Resuscitation of the Fetus and Newborn Preface** *CLINICS IN PERINATOLOGY*
Kumar, P., Halamek, L. P.
2012; 39 (4): XV-XVI
- **Nursing department orientation: are we missing the mark?** *Journal for nurses in staff development : JNSD : official journal of the National Nursing Staff Development Organization*
Kennedy, J. M., Nichols, A. A., Halamek, L. P., Arafah, J. M.
2012; 28 (1): 24-26
- **A CROSS-CULTURAL SIMULATION-BASED COMPARISON OF PRENATAL COUNSELING: AMERICAN AND DUTCH NEONATOLOGISTS' PERSPECTIVES**
Geurtzen, R., Hogeveen, M., Rajani, A., Chitkara, R., Antonius, T. A., Draaisma, J., Halamek, L. P.

NATURE PUBLISHING GROUP.2011: 40

- **Comparison of Umbilical Venous and Intraosseous Access During Simulated Neonatal Resuscitation** *PEDIATRICS*
Rajani, A. K., Chitkara, R., Oehlert, J., Halamek, L. P.
2011; 128 (4): E954-E958
- **The Case for OBLS: A Simulation-based Obstetric Life Support Program** *SEMINARS IN PERINATOLOGY*
Lipman, S. S., Daniels, K. I., Arafah, J., Halamek, L. P.
2011; 35 (2): 74-79
- **COMPARISON OF UMBILICAL VENOUS AND INTRAOSSEOUS ACCESS DURING SIMULATED NEONATAL RESUSCITATION** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Rajani, A., Chitkara, R., Halamek, L.
LIPPINCOTT WILLIAMS & WILKINS.2011: 124-24
- **Using the Movie Apollo 13 as a Video Primer in Behavioral Skills for Simulation Trainees and Instructors** *SIMULATION IN HEALTHCARE*
Halamek, L. P.
2010; 5 (5): 303-310
- **A National Survey of Pediatric Residents and Delivery Room Training Experience** *JOURNAL OF PEDIATRICS*
Lee, H. C., Chitkara, R., Halamek, L. P., Hintz, S. R.
2010; 157 (1): 158-U211
- **Simulation: The New "Triple Threat"** *PEDIATRIC RESEARCH*
Halamek, L. P.
2010; 67 (2): 130-131
- **Lost moon, saved lives: using the movie Apollo 13 as a video primer in behavioral skills for simulation trainees and instructors.** *Simulation in healthcare : journal of the Society for Simulation in Healthcare*
Halamek, L. P.
2010; 5 (5): 303-10
- **Delivery Room Management of the Newborn** *PEDIATRIC CLINICS OF NORTH AMERICA*
Rajani, A. K., Chitkara, R., Halamek, L. P.
2009; 56 (3): 515-?
- **The simulated delivery-room environment as the future modality for acquiring and maintaining skills in fetal and neonatal resuscitation** *SEMINARS IN FETAL & NEONATAL MEDICINE*
Halamek, L. P.
2008; 13 (6): 448-453
- **Teamwork during resuscitation** *PEDIATRIC CLINICS OF NORTH AMERICA*
Weinstock, P., Halamek, L. P.
2008; 55 (4): 1011-?
- **Teaching versus learning and the role of simulation-based training in Pediatrics** *JOURNAL OF PEDIATRICS*
Halamek, L.
2007; 151 (4): 329-30
- **Simulation-based medical error disclosure training for pediatric healthcare professionals.** *Journal for healthcare quality : official publication of the National Association for Healthcare Quality*
Wayman, K. I., Yaeger, K. A., Sharek, P. J., Trotter, S., Wise, L., Flora, J. A., Halamek, L. P.
2007; 29 (4): 12-19
- **Implementation and case-study results of potentially better practices for collaboration between obstetrics and neonatology to achieve improved perinatal outcomes** *PEDIATRICS*
Zabari, M., Suresh, G., Tomlinson, M., Lavin, J. P., Larison, K., Halamek, L., Schriefer, J. A.
2006; 118: S153-S158
- **Evaluation and development of potentially better practices for perinatal and neonatal communication and collaboration** *PEDIATRICS*
Ohlinger, J., Kantak, A., Lavin, J. P., Fofah, O., Hagen, E., Suresh, G., Halamek, L. P., Schriefer, J. A.

2006; 118: S147-S152

- **Continuous positive airway pressure during neonatal resuscitation** *CLINICS IN PERINATOLOGY*
Halamek, L. P., Morley, C.
2006; 33 (1): 83-?
- **Simulating extracorporeal membrane oxygenation emergencies to improve human performance. Part I: methodologic and technologic innovations.** *Simulation in healthcare*
Anderson, J. M., Boyle, K. B., Murphy, A. A., Yaeger, K. A., LeFlore, J., Halamek, L. P.
2006; 1 (4): 220-227
- **Simulation-based training: opportunities for the acquisition of unique skills.** *The virtual mentor : VM*
Halamek, L. P.
2006; 8 (2): 84-87
- **Simulating extracorporeal membrane oxygenation emergencies to improve human performance. Part II: assessment of technical and behavioral skills.** *Simulation in healthcare*
Anderson, J. M., Murphy, A. A., Boyle, K. B., Yaeger, K. A., Halamek, L. P.
2006; 1 (4): 228-232
- **Comparing the utility of a standard pediatric resuscitation cart with a pediatric resuscitation cart based on the Broselow tape: A randomized, controlled, crossover trial involving simulated resuscitation scenarios** *PEDIATRICS*
Agarwal, S., Swanson, S., Murphy, A., Yaeger, K., Sharek, P., Halamek, L. P.
2005; 116 (3): E326-E333
- **High-fidelity simulation-based training in neonatal nursing.** *Advances in neonatal care : official journal of the National Association of Neonatal Nurses*
Yaeger, K. A., Halamek, L. P., Coyle, M., Murphy, A., Anderson, J., Boyle, K., Braccia, K., McAuley, J., Sandre, G. D., Smith, B.
2004; 4 (6): 326-331
- **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
- **A quantitative comparison of traditional extracorporeal membrane oxygenation (ECMO) training with a novel simulation-based ECMO training program (ECMOSim)**
Anderson, J. M., Murphy, A. A., Boyle, K. B., Yaeger, K. A., DeSandre, G. H., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 365A
- **ECMO emergency training: A subjective evaluation of a novel simulation-based ECMO training course (ECMOSim)**
Anderson, J. M., Boyle, K. B., Yaeger, K. A., Murphy, A. A., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 365A
- **A subjective comparison of a standard ECMO recertification course and a novel simulation-based ECMO (ECMOSim) recertification course**
Anderson, J. M., Boyle, K. B., Murphy, A. A., Yaeger, K. A., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 365A
- **Quantitative and qualitative comparison of a novel simulation-based pediatric resuscitation training program with a standard pediatric advanced life support course**
Anderson, J. M., Murphy, A. A., Yaeger, K. A., Braccia, K., Nawas, C., Barman, P., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 361A
- **Comparing perceived ease of use of standard pediatric code cart with pediatric code cart based on Broselow tape**
Agarwal, S., Swanson, S., Murphy, A., Yaeger, K., Anderson, J., Sharek, P. J., Zarge, R., DiCarlo, J., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 65A-66A
- **Objective evaluation of the behavioral skills acquired through simulation-based ECMO training**
Anderson, J. M., Murphy, A. A., Boyle, K. B., Yaeger, K. A., Swanson, S., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 357A
- **Quantitative and qualitative comparison of a novel simulation-based neonatal resuscitation training program with a standard neonatal resuscitation program course**

- Murphy, A. A., Anderson, J. M., Nawas, C., Yaeger, K. A., Boyle, K., Coyle, M. W., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 357A
- **Death, dying and delivering difficult news: Simulation-based training improves the skills and confidence of medical students**
Mosher, P. J., Murphy, A. A., Anderson, J. M., Coyle, M. M., McCauley, F., Boyle, K. B., Yaeger, K. M., Iverson, N., Halamek, L. R.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 362A
 - **Attitudes towards palliative and end-of-life care in the neonatal intensive care unit**
Yaeger, K. A., Halamek, L. P., Anderson, J. M., Murphy, A. A., Boyle, K. B., Coyle, M. W., Smith, B., Braccia, K.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2004: 370A
 - **Validation of simulation-based training in neonatal resuscitation: Use of heart rate variability as a marker for mental workload.**
Kaegi, D. M., Gobble, R., Dubin, A., Howard, S. K., Gaba, D. M., Sowb, Y. A., Halamek, L. P.
B C DECKER INC.2004: S122
 - **Attitudes towards palliative and end-of-life care in the neonatal intensive care unit**
Yaeger, K., Murphy, A., Braccia, K., Coyle, M., Anderson, J., Boyle, K., Smith, B., Halamek, L.
B C DECKER INC.2004: S97
 - **Training and competency assessment in electronic fetal monitoring: A national survey** *OBSTETRICS AND GYNECOLOGY*
Murphy, A. A., Halamek, L. P., Lyell, D. J., Druzin, M. L.
2003; 101 (6): 1243-1248
 - **Toward a new standard in extracorporeal membrane oxygenation (ECMO) training**
Anderson, J. D., Boyle, K. B., Murphy, A., Halamek, L. P.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2003: 99A
 - **Evaluation of a novel electronic fetal monitor simulator** *11th Annual Medicine Meets Virtual Reality Conference*
Murphy, A. A., Halamek, L. P., Lyell, D. J., Druzin, M. L.
I O S PRESS.2003: 240-244
 - **The advantages of prenatal consultation by a neonatologist.** *Journal of perinatology*
Halamek, L. P.
2001; 21 (2): 116-120
 - **Who's teaching neonatal resuscitation to housestaff?: Results of a national survey** *Annual Congress of the American-Academy-of-Pediatrics*
Halamek, L. P., Kaegi, D. M.
AMER ACAD PEDIATRICS.2001: 249-55
 - **Time for a new paradigm in pediatric medical education: Teaching neonatal resuscitation in a simulated delivery room environment** *PEDIATRICS*
Halamek, L. P., Kaegi, D. M., Gaba, D. M., Sowb, Y. A., Smith, B. C., Smith, B. E., Howard, S. K.
2000; 106 (4)
 - **Not all perfluorochemicals are created equal** *CRITICAL CARE MEDICINE*
Halamek, L. P., Dimmitt, R. A., Mickas, N. A.
2000; 28 (8): 3132
 - **Secondary infection presenting as recurrent pulmonary hypertension.** *Journal of perinatology*
Hintz, S. R., Benitz, W. E., Halamek, L. P., Van Meurs, K. P., Rhine, W. D.
2000; 20 (4): 262-264
 - **Cerebral blood flow and metabolism during partial liquid ventilation in neonatal lambs**
Dimmitt, R. A., Beckman, S. A., Halamek, L. P., Moss, R. L., Mickas, N. A., Amil, L. A., Falco, D. A., Skarsgard, E. D.
INT PEDIATRIC RESEARCH FOUNDATION, INC.2000: 356A
 - **Deaths following administration of perfluorochemical administration in juvenile rabbits.**
Mickas, N. A., Dimmitt, R. A., Falco, D., Beckman, S. A., Moss, R. L., Skarsgard, E. A., Halamek, L. P.
LIPPINCOTT WILLIAMS & WILKINS.2000: 99A
 - **Cerebral blood flow and metabolism during partial liquid ventilation in neonatal sheep.**
Beckman, S. A., Dimmitt, R. A., Halamek, L. P., Falco, D. A., Mickas, N. A., Moss, R. L., Amii, L. A., Skarsgard, E. A.

LIPPINCOTT WILLIAMS & WILKINS.2000: 7A

- **Congenital diaphragmatic hernia: the perinatalist's perspective.** *Pediatrics in review*
Halamek, L. P., El-Sayed, Y. Y.
1999; 20 (10): e67-70
- **Salvage laparotomy for failure of peritoneal drainage in necrotizing enterocolitis in extremely low birth weight (ELBW) infants**
Dimmitt, R. A., Meier, A. H., Skarsgard, E. D., Halamek, L. P., Smith, B. M., Moss, R. L.
AMER ACAD PEDIATRICS.1999: 769-70
- **Effect of mental stress on heart rate variability: Validation of simulated operating and delivery room training modules**
Kaegi, D. M., Halamek, L. P., Van Hare, G. F., Howard, S. K., Dubin, A. M.
NATURE PUBLISHING GROUP.1999: 77A-77A
- **Assessing the fidelity of the simulated delivery room for neonatal resuscitation.**
Kaegi, D. M., Halamek, L. P., Howard, S. K., Smith, B. E., Gaba, D. M., Sowb, Y. A.
AMER ACAD PEDIATRICS.1998: 767-68
- **Who's teaching in the delivery room?**
Halamek, L. P., Kaegi, D. M.
AMER ACAD PEDIATRICS.1998: 767
- **Utilization of NRP, PALS, and ACLS in pediatric residency training in the United States.**
Halamek, L. P., Kaegi, D. M.
AMER ACAD PEDIATRICS.1998: 768
- **Supervision and teaching in the NICU.**
Halamek, L. P., Kaegi, D. M.
AMER ACAD PEDIATRICS.1998: 768
- **Heart rate variability as a marker for workload during neonatal resuscitation**
Kaegi, D. M., Halamek, L. P., Dubin, A., Howard, S.
AMER ACAD PEDIATRICS.1998: 766-67
- **Neonatal hypoglycemia, part II: Pathophysiology and therapy** *International Symposium on Neonatal Hypoglycemia*
Halamek, L. P., Stevenson, D. K.
SAGE PUBLICATIONS INC.1998: 11-16
- **Kernicteric findings at autopsy in two sick near term infants** *PEDIATRICS*
Halamek, L. P., Stevenson, D. K.
1998; 101 (1): 158-59
- **The simulated delivery room as a laboratory for the study of human performance.**
Halamek, L. P., Howard, S. K., Kaegi, D. M., Smith, B. E., Smith, B. C., Gaba, D. M.
LIPPINCOTT WILLIAMS & WILKINS.1998: 167A-167A
- **Neonatal hypoglycemia .1. Background and definition** *International Symposium on Neonatal Hypoglycemia*
Halamek, L. P., Benaron, D. A., Stevenson, D. K.
SAGE PUBLICATIONS INC.1997: 675-80
- **Development of a simulated delivery room for the study of human performance during neonatal resuscitation**
Halamek, L. P., Howard, S. K., Smith, B. E., Smith, B. C., Gaba, D. M.
AMER ACAD PEDIATRICS.1997: 513-14
- **The value of neurophysiologic approaches in the anticipation and evaluation of neonatal hypoglycemia** *International Symposium on Neonatal Hypoglycemia: A Satellite Symposium of the 40th Annual Meeting of the Japan-Society-for-Premature-and-Newborn-Medicine*
Halamek, L. P., Benaron, D. A., Stevenson, D. K.
BLACKWELL SCIENCE.1997: 33-43
- **The value of neurophysiologic approaches in the anticipation and evaluation of neonatal hypoglycemia.** *Acta paediatrica Japonica; Overseas edition*
Halamek, L. P., Benaron, D. A., Stevenson, D. K.

1997; 39: S33-43

- **The OOPS procedure (operation on placental support): In utero airway management of the fetus with prenatally diagnosed tracheal obstruction** *27th Annual Meeting of the Canadian-Association-of-Paediatric-Surgeons*
Skarsgard, E. D., Chitkara, U., Krane, E. J., Riley, E. T., Halamek, L. P., Dedo, H. H.
W B SAUNDERS CO.1996: 826-28
- **ALTERED RHOMBOMERE-SPECIFIC GENE-EXPRESSION AND HYOID BONE DIFFERENTIATION IN THE MOUSE SEGMENTATION MUTANT, KREISLER (KR) DEVELOPMENT**
Frohman, M. A., Martin, G. R., Cordes, S. P., Halamek, L. P., Barsh, G. S.
1993; 117 (3): 925-936
- **Ultrasound in congenital hip disease. Part II--Prospective study.** *The Nebraska medical journal*
HAGGSTROM, J. A., Brown, J. C., Schroeder, B. A., BACH, S. M., HUURMAN, W. W., Esposito, P., Halamek, L. J.
1990; 75 (6): 142-143
- **Ultrasound in congenital hip disease. Part 1--Review of technique.** *The Nebraska medical journal*
HAGGSTROM, J. A., Brown, J. C., Schroeder, B. A., BACH, S. M., Huurman, W. M., Esposito, P., Halamek, L. J.
1990; 75 (6): 134-141
- **CHILDHOOD-CANCER SURVIVORS KNOWLEDGE OF THEIR DIAGNOSIS AND TREATMENT** *ANNALS OF INTERNAL MEDICINE*
Byrne, J., Lewis, S., Halamek, L., Connelly, R. R., Mulvihill, J. J.
1989; 110 (5): 400-403