Stanford



Manish I. Shah, MD, MS

Professor of Emergency Medicine (Pediatrics) and, by courtesy, of Pediatrics (Hospital Medicine)

NIH Biosketch available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Pediatric Emergency Medicine**

  900 Quarry Rd

  Palo Alto, CA 94304

  Tel (650) 723-5111 **Fax** (650) 721-4338

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Ezra Tesfay - Administrative Associate, Emergency Medicine

  Email etesfay@stanford.edu

Bio

BIO

I have dedicated my career to improving pediatric prehospital care on local, statewide, national, and international levels through research, education, and advocacy. My primary research interest focuses on integration of pediatric evidence into emergency medical services (EMS) systems. I serve on the Executive Committee of the Pediatric Emergency Care Applied Research Network (PECARN) as the nodal Principal Investigator (PI) for the Charlotte, Houston, and Milwaukee Prehospital (CHaMP) research node. In addition, I am the PI for the Pediatric Dose Optimization for Seizures in EMS (PediDOSE) clinical trial and co-investigator for the Pediatric Prehospital Airway Resuscitation Trial (Pedi-PART). As an educational researcher, I have obtained several grants to produce an online EMS educational resource for physicians, create the Pediatric Simulation Training of Emergency Prehospital Providers (PediSTEPPs) program, and study the implementation of an EMS training curriculum for the Botswana Ministry of Health. As an EMS advocate, I led the Prehospital and State Partnership domains for the national EMS for Children (EMSC) Innovation and Improvement Center (EIIC), served as an appointed member of the National Emergency Medical Services Advisory Council (NEMSAC), chaired the EMS subcommittee for the American Academy of Pediatrics Section of Emergency Medicine, and directed the EMSC State Partnership in Texas. I have published policy on pediatric readiness in EMS systems and co-chaired the workgroup that created the first-ever national assessment of pediatric readiness of EMS systems for the National Prehospital Pediatric Readiness Project (PPRP).

CLINICAL FOCUS

- Pediatric Emergency Medicine
- Emergency Medical Services

ACADEMIC APPOINTMENTS

- Professor-Univ Med Line, Emergency Medicine
- Professor-Univ Med Line (By courtesy), Pediatrics
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Director of Academic Affairs, Department of Emergency Medicine, (2025- present)

HONORS AND AWARDS

- Nate Kuppermann Pediatric Emergency Medicine Mentorship Award in Research, Society for Academic Emergency Medicine (SAEM) (2026)
- Marianne Gausche-Hill Pediatric Emergency Medicine Mentorship Award in Teaching, Society for Academic Emergency Medicine (SAEM) (2023)
- Norton Rose Fulbright Faculty Excellence Award for Educational Research, Baylor College of Medicine (2021)
- Research Mentorship Award, Baylor College of Medicine, Department of Pediatrics (2019)
- Fulbright and Jaworski Faculty Excellence Award for Teaching and Evaluation, Baylor College of Medicine (2015)
- Joan E. Shook Excellence in Leadership Award, Baylor College of Medicine, Department of Pediatrics, Division of Emergency Medicine (2015)
- Faculty Teaching Award, Baylor College of Medicine, Department of Pediatrics, Division of Emergency Medicine (2013)
- Milton H. Nirken Excellence in Teaching Award, Baylor College of Medicine, Department of Pediatrics, Division of Emergency Medicine (2010)
- Inductee, Alpha Omega Alpha, Medical Honor Society (2001)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- National Advisory Committee Member, Emergency Medicine Research Career Development Program in the Neurological Sciences (2024 - present)
- Associate Editor, Prehospital Emergency Care (2023 - present)
- Executive Committee Member, Pediatric Emergency Care Applied Research Network (2023 - present)
- Assessment Workgroup Co-Chair, National Prehospital Pediatric Readiness Project Steering Committee (2019 - present)
- Prehospital and State Partnership Domain Lead, EMS for Children Innovation and Improvement Center (2016 - 2018)
- Pediatric Emergency Physician representative, United States Department of Transportation's National Emergency Medical Services Advisory Council (2015 - 2017)
- Steering Committee Member, Pediatric Emergency Care Applied Research Network (2013 - present)
- EMS Subcommittee Chair, American Academy of Pediatrics, Section of Emergency Medicine (2011 - 2014)
- Program Director, EMS for Children State Partnership, Texas (2009 - 2017)

PROFESSIONAL EDUCATION

- Master of Science, University of Texas Health Sciences Center, Houston , Clinical Research (2015)
- Board Certification: Pediatric Emergency Medicine, American Board of Pediatrics (2009)
- Fellowship: Baylor College of Medicine Pediatric Emergency Medicine Program (2007) TX
- Board Certification, American Board of Pediatrics , Pediatrics (2004)
- Residency: Boston Children's Hospital Combined Residency Program (2004) MA
- Medical Education: University of California at Irvine School of Medicine (2001) CA
- Bachelor of Science, University of California, Davis , Physiology (1997)

LINKS

- Pediatric Emergency Care Applied Research Network (PECARN): https://pecarn.org
- National Prehospital Pediatric Readiness Project (PPRP): https://emspedsready.org
- Pediatric Dose Optimization for Seizures in EMS (PediDOSE): https://www.texaschildrens.org/research/areas-research/neurology/pedidose-study
- Pediatric Prehospital Airway Resuscitation Trial (Pedi-PART): https://www.uab.edu/medicine/cis/pedipart-columbus-ohio/faqs

Research & Scholarship

CLINICAL TRIALS

- Pediatric Prehospital Airway Resuscitation Trial, Recruiting

- Pediatric Dose Optimization for Seizures in Emergency Medical Services, Not Recruiting

Publications

PUBLICATIONS

- **Prehospital Risk Stratification for Early Transfusion in Pediatric Trauma: A National Trauma Data Bank Analysis.** *Prehospital emergency care*
  Su, J., Donofrio-Odmann, J. J., Guyette, F. X., Studnek, J., Magill, C., Kothari, K. M., Browne, L. R., Triolo, B., Shah, M. I.
  2026: 1-14

- **Digital Technologies for Community Consultation and Public Disclosure in Exception From Informed Consent Trials.** *Journal of the American College of Emergency Physicians open*
  Wang, H. E., Shah, M. I., Stephens, S. W.
  2026; 7 (5): 100464

- **A Causal Model for Prehospital Blood Transfusion and Mortality in Traumatic Hemorrhagic Shock.** *Prehospital emergency care*
  Gaither, J. B., Lerman, M., Hu, C., Rice, A. D., Spaite, D. W., Baykara, Y., Munn, R., Jansen, J. O., Shah, M., McMullan, J., Keim, S., Stewart, C., Magnotti, et al
  2026: 1-14

- **Consensus Guidelines for Prehospital Transfusion in Children: A Modified Delphi Study.** *Prehospital emergency care*
  Magill, C. F., Heintz, H., Finney, J., Nimmer, M., Antevy, P. M., Clukies, L. D., Guyette, F. X., Ignacio, R. C., Kothari, K. M., Shah, M. I., Siegler, J. E., Studnek, J. R., Su, et al
  2026: 1-13

- **Developing an EMS Research Reading List for EMS Practitioners.** *Prehospital emergency care*
  Richards, C. T., Cash, R. E., Crowe, R. P., Fishe, J., Jarvis, J. L., Shah, M. I., Somes, J., White, N., Martin-Gill, C.
  2026: 1-12

- **Novel Technologies for Identifying Treatment Assignment in a Prehospital Pediatric Emergency Care Clinical Trial.** *Journal of the American College of Emergency Physicians open*
  Sharkey-Toppen, T. P., Mendpara, J., Moeller, K., Frey, J. A., VanBuren, J. M., Gausche-Hill, M., Shah, M. I., Bosson, N., Hansen, M., Wendelberger, B., Wang, H. E.
  2026; 7 (3): 100399

- **Effective Community Consultation for Prehospital EFIC Research: Lessons from a 20-Site Pediatric Trial.** *Prehospital emergency care*
  Uspal, N. G., Hansen, M., Cervantes, V., Adelgais, K. M., Chang, T. P., Ghaffari, K., Glober, N. K., Gonzalez, V. M., Holsti, M., Innes, J. C., Leonard, J. C., Lerner, E. B., Li, et al
  2026: 1-18

- **The National Pediatric Prehospital Readiness Project: First Comprehensive Assessment of United States Emergency Medical Services Agencies.** *Annals of emergency medicine*
  Adelgais, K. M., Remick, K. E., Hewes, H. A., Crady, R., Alter, R., Gausche-Hill, M., Schmuhl, P., Genovesi, A. L., Shah, M. I.
  2026

- **Community Acceptance of a Pediatric Prehospital Exception From Informed Consent Trial.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Hansen, M., Stephens, S. W., Elman, M. R., Shah, M. I., Bosson, N., Gausche-Hill, M., VanBuren, J. M., Jacobsen, K., Elsholz, C., Brown, B., Goldkind, S. F., Nishijima, D. K., Swanson, et al
  2026; 33 (1): e70212

- **Methodology for the Pediatric Dose Optimization for Seizures in Emergency Medical Services (PediDOSE) study.** *Trials*
  Shah, M. I., Adelgais, K. M., Chamberlain, J. M., Wang, H. E., Morgan, L. A., Riviello, J. J., Said, R. R., Sullivan, J. E., Ghaffari, K. F., Kothari, K. M., Saidinejad, M., Lowe, R. A., Fowler, et al
  2025

- **Exception From Informed Consent Community Consultation Surveys-Do Respondent Characteristics Accurately Reflect Targeted Communities?** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Keister, A., Stephens, S. W., Adelgais, K., Bosson, N., Brown, K., Elsholz, C., Faris, G. W., Frey, J., Gausche-Hill, M., Goldkind, S. F., Hansen, M., Jacobsen, K., Leonard, et al

2025

- **Contemporary issues in pediatric prehospital airway management.** *Expert review of respiratory medicine*
  Wang, H. E., Hansen, M., Shah, M. I., Bosson, N., VanBuren, J. M., Wendelberger, B., Frey, J., Keister, A., Lewis, R. J., Gausche-Hill, M.
  2025
- **Racial and Ethnic Differences in ED Analgesia Among Injured Children Transported Via EMS.** *Pediatric emergency care*
  Kerolle, S., Browne, L. R., Brazauskas, R., Adelgais, K. M., Chadha, K., Chang, T. P., Harris, M. I., Lerner, E. B., Leonard, J. C., Lowe, G. S., Magill, C. F., Nishijima, D. K., Shah, et al
  2025
- **Measuring the efficacy of community consultation in a pediatric exception from informed consent trial.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Johnson, A. R., Riches, N. O., VanBuren, J. M., Corona, A. E., Jacobsen, K., Yang, S., Shah, M. I.
  2025; 32 (5): 506-515
- **Application of digital engagement tools for exception from informed consent community consultation and public disclosure in the pediatric prehospital airway resuscitation trial.** *Resuscitation plus*
  Wang, H. E., Stephens, S. W., Jacobsen, K., Brown, B., Elsholz, C., Frey, J. A., VanBuren, J. M., Gausche-Hill, M., Shah, M. I., Bosson, N., Leonard, J. C., Glober, N., Ward, et al
  2025; 22: 100919
- **Analyzing patient perspectives with large language models: a cross-sectional study of sentiment and thematic classification on exception from informed consent.** *Scientific reports*
  Kornblith, A. E., Singh, C., Innes, J. C., Chang, T. P., Adelgais, K. M., Holsti, M., Kim, J., McClain, B., Nishijima, D. K., Rodgers, S., Shah, M. I., Simon, H. K., VanBuren, et al
  2025; 15 (1): 6179
- **Development of the National Prehospital Pediatric Readiness Project assessment.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Kothari, K., Shah, M. I., Genovesi, A. L., Gausche-Hill, M., Owusu-Ansah, S., Hewes, H., Moore, B., Remick, K.
  2024
- **The Epidemiology of Out-of-Hospital Pediatric Airway Management in the 2019 ESO Data Collaborative.** *Prehospital emergency care*
  Hanlin, E. R., Chan, H. K., Covert, H., Hansen, M., Wendelberger, B., Shah, M. I., Bosson, N., Gausche-Hill, M., VanBuren, J. M., Schulz, K., Huebinger, R., Wang, H. E.
  2024: 1-10
- **Pulse Oximetry Accuracy in Children with Dark Skin Tones: Relevance to Acute Lower Respiratory Infection Care in Low- and Middle-Income Countries.** *The American journal of tropical medicine and hygiene*
  Hooli, S., Colbourn, T., Shah, M. I., Murray, K., Mandalakas, A., McCollum, E. D.
  2024
- **Evaluation of the Use of Ketamine in Prehospital Seizure Management: A Retrospective Review of the ESO Database.** *Prehospital emergency care*
  Finney, J. D., Schuler, P. D., Rudloff, J. R., Agostin, N., Lobanov, O. V., Siegler, J., Shah, M. I., Guterman, E. L., Chamberlain, J. M., Ahmad, F. A.
  2024: 1-12
- **Public support for and concerns regarding pediatric dose optimization for seizures in emergency medical services: An exception from informed consent (EFIC) trial** *ACADEMIC EMERGENCY MEDICINE*
  Ward, C. E., Adelgais, K. M., Holsti, M., Jacobsen, K. K., Simon, H. K., Morris, C. R., Gonzalez, V. M., Lerner, G., Ghaffari, K., VanBuren, J. M., Lerner, E., Shah, M. I., Pediat Emergency Care Appl Res
  2024
- **Early Administration of Steroids in the Ambulance Setting: An Observational Design Trial (EASI-AS-ODT).** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Fishe, J. N., Garvan, G., Bertrand, A., Burcham, S., Hendry, P., Shah, M., Kothari, K., Ashby, D. W., Ostermeyer, D., Riney, L., Semenova, O., Abo, B., Abes, et al
  2024; 31 (1): 49-60
- **Examination of disparities in prehospital encounters for pediatric asthma exacerbations.** *Journal of the American College of Emergency Physicians open*

Riney, L., Palmer, S., Finlay, E., Bertrand, A., Burcham, S., Hendry, P., Shah, M., Kothari, K., Ashby, D. W., Ostermayer, D., Semenova, O., Abo, B. N., Abes, et al
2023; 4 (5): e13042

- **National Variation in EMS Response and Antiepileptic Medication Administration for Children with Seizures in the Prehospital Setting.** *The western journal of emergency medicine*
  Firnberg, M. T., Lerner, E. B., Nan, N., Ma, C. X., Shah, M. I., Mann, N. C., Dayan, P. S.
  2023; 24 (4): 805-813

- **EMS Administration of Systemic Corticosteroids to Pediatric Asthma Patients: An Analysis by Severity and Transport Interval** *PREHOSPITAL EMERGENCY CARE*
  Riney, L., Palmer, S., Finlay, E., Bertrand, A., Burcham, S., Hendry, P., Shah, M., Kothari, K., Ashby, D., Ostermayer, D., Semenova, O., Abo, B. N., Abes, et al
  2023; 27 (7): 900-907

- **Evidence-Based Guidelines for Prehospital Pain Management: Literature and Methods.** *Prehospital emergency care*
  Powell, J. R., Browne, L. R., Guild, K., Shah, M. I., Crowe, R. P., Lindbeck, G., Braithwaite, S., Lang, E. S., Panchal, A. R.
  2023; 27 (2): 154-161

- **Impact of Race and Ethnicity on Emergency Medical Services Administration of Opioid Pain Medications for Injured Children.** *The Journal of emergency medicine*
  Nishijima, D. K., Tancredi, D. J., Adelgais, K. M., Chadha, K., Chang, T. P., Harris, M. I., Leonard, J. C., Lerner, E. B., Linakis, S. W., Lowe, G. S., Magill, C. F., Schwartz, H. P., Shah, et al
  2023; 64 (1): 55-61

- **Epidemiology of out-of-hospital pediatric airway management in the 2019 national emergency medical services information system data set.** *Resuscitation*
  Hanlin, E. R., Chan, H. K., Hansen, M., Wendelberger, B., Shah, M. I., Bosson, N., Gausche-Hill, M., VanBuren, J. M., Wang, H. E.
  2022; 173: 124-133

- **Evidence-Based Guidelines for Prehospital Pain Management: Recommendations** *PREHOSPITAL EMERGENCY CARE*
  Lindbeck, G., Shah, M., Braithwaite, S., Powell, J. R., Panchal, A. R., Browne, L. R., Lang, E. S., Burton, B., Coughenour, J., Crowe, R. P., Degn, H., Hedges, M., Gasper, et al
  2023; 27 (2): 144-153

- **Design of a novel clinical trial of prehospital pediatric airway management** *CLINICAL TRIALS*
  Bosson, N., Hansen, M., Gausche-Hill, M., Lewis, R. J., Wendelberger, B., Shah, M., VanBuren, J. M., Wang, H. E.
  2022; 19 (1): 62-70

- **Factors associated with destination of pediatric EMS transports.** *The American journal of emergency medicine*
  Schmucker, K. A., Camp, E. A., Jones, J. L., Ostermayer, D. G., Shah, M. I.
  2021; 50: 360-364

- **Impact of Prehospital Pain Management on Emergency Department Management of Injured Children** *PREHOSPITAL EMERGENCY CARE*
  Harris, M. I., Adelgais, K. M., Linakis, S. W., Magill, C. F., Brazauskas, R., Shah, M. I., Nishijima, D. K., Lowe, G. S., Chadha, K., Chang, T. P., Lerner, E. B., Leonard, J. C., Schwartz, et al
  2023; 27 (1): 1-9

- **A Novel Use of NEMSIS to Create a PECARN-Specific EMS Patient Registry** *PREHOSPITAL EMERGENCY CARE*
  Lerner, E., Browne, L. R., Studnek, J. R., Mann, N., Dai, M., Hoffman, C. K., Pilkey, D., Adelgais, K. M., Brown, K. M., Gaither, J. B., Leonard, J. C., Martin-Gill, C., Nishijima, et al
  2022; 26 (4): 484-491

- **Pediatric Simulation-Based Prehospital Training Course in Botswana.** *Journal of education & teaching in emergency medicine*
  Glomb, N. W., Rus, M. C., Kosoko, A. A., Saha, S., Murphy, K., Doughty, C. B., Galapi, C., Laba, B., Shah, M. I.
  2021; 6 (3): C64-C189

- **Critical Factors in Planning a Pediatric Prehospital Airway Trial** *PREHOSPITAL EMERGENCY CARE*
  Hansen, M., Bosson, N., Gausche-Hill, M., Shah, M. I., VanBuren, J. M., Wendelberger, B., Wang, H.
  2022; 26 (4): 476-483

- **Pediatric Readiness in Emergency Medical Services Systems.** *Prehospital emergency care*
  Moore, B., Shah, M. I., Owusu-Ansah, S., Gross, T., Brown, K., Gausche-Hill, M., Remick, K., Adelgais, K., Lyng, J., Rappaport, L., Snow, S., Wright-Johnson, C., Leonard, et al
  2020; 24 (2): 175-179

- **Educational impact of a pilot paediatric simulation-based training course in Botswana.** *BMJ simulation & technology enhanced learning*
  Glomb, N. W., Shah, M. I., Kosoko, A. A., Doughty, C. B., Galapi, C., Laba, B., Rus, M. C.
  2020; 6 (5): 279-283

- **Multicenter Evaluation of Prehospital Seizure Management in Children** *PREHOSPITAL EMERGENCY CARE*
  Shah, M. I., Ostermayer, D. G., Browne, L. R., Studnek, J. R., Carey, J. M., Stanford, C., Fumo, N., Lerner, E.
  2021; 25 (4): 475-486

- **Focused Research Infrastructure for Postgraduate Pediatric Emergency Medicine Fellows Increases Dissemination of Scholarly Work.** *AEM education and training*
  Cruz, A. T., Doughty, C. B., Hsu, D. C., Chumpitazi, C. E., Sampayo, E. M., Meskill, S. D., Shah, M. I.
  2020; 4 (3): 231-238

- **Evaluation of Hydrocodone/Acetaminophen for Pediatric Laceration Repair: A Randomized Trial.** *Plastic and reconstructive surgery*
  Chumpitazi, C. E., Caviness, A. C., Grawe, G. H., Camp, E. A., Shah, M. I.
  2020; 145 (1): 126e-134e

- **Pediatric Readiness in Emergency Medical Services Systems.** *Annals of emergency medicine*
  Moore, B., Shah, M. I., Owusu-Ansah, S., Gross, T., Brown, K., Gausche-Hill, M., Remick, K., Adelgais, K., Lyng, J., Rappaport, L., Snow, S., Wright-Johnson, C., Leonard, et al
  2020; 75 (1): e1-e6

- **Pediatric Readiness in Emergency Medical Services Systems.** *Pediatrics*
  Owusu-Ansah, S., Moore, B., Shah, M. I., Gross, T., Brown, K., Gausche-Hill, M., Remick, K., Adelgais, K., Rappaport, L., Snow, S., Wright-Johnson, C., Leonard, J. C., Lyng, et al
  2020; 145 (1)

- **Pediatric Readiness in Emergency Medical Services Systems.** *Pediatrics*
  Moore, B., Shah, M. I., Owusu-Ansah, S., Gross, T., Brown, K., Gausche-Hill, M., Remick, K., Adelgais, K., Lyng, J., Rappaport, L., Snow, S., Wright-Johnson, C., Leonard, et al
  2020; 145 (1)

- **Paramedic-Identified Enablers of and Barriers to Pediatric Seizure Management: A Multicenter, Qualitative Study** *PREHOSPITAL EMERGENCY CARE*
  Carey, J. M., Studnek, J. R., Browne, L. R., Ostermayer, D. G., Grawey, T., Schroter, S., Lerner, E., Shah, M.
  2019; 23 (6): 870-881

- **Impact of an Extraglottic Device on Pediatric Airway Management in an Urban Prehospital System.** *The western journal of emergency medicine*
  Ostermayer, D. G., Camp, E. A., Langabeer, J. R., Brown, C. A., Mondragon, J., Persse, D. E., Shah, M. I.
  2019; 20 (6): 962-969

- **Validity of the Pediatric Early Warning Score and the Bedside Pediatric Early Warning Score in Classifying Patients Who Require the Resources of a Higher Level Pediatric Hospital** *PREHOSPITAL EMERGENCY CARE*
  Studnek, J. R., Browne, L. R., Shah, M., Fumo, N., Hansen, M., Lerner, E.
  2020; 24 (3): 341-348

- **Evaluating a Novel Simulation Course for Prehospital Provider Resuscitation Training in Botswana.** *The western journal of emergency medicine*
  Kosoko, A. A., Glomb, N. W., Laba, B., Galapi, C., Shah, M. I., Rus, M. C., Doughty, C. B.
  2019; 20 (5): 731-739

- **Ready for Children: Assessing Pediatric Care Coordination and Psychomotor Skills Evaluation in the Prehospital Setting** *PREHOSPITAL EMERGENCY CARE*
  Hewes, H. A., Ely, M., Richards, R., Shah, M. I., Busch, S., Pilkey, D., Hert, K., Olson, L. M.
  2019; 23 (4): 510-518

- **Pediatric Cervical Spine Clearance A Consensus Statement and Algorithm from the Pediatric Cervical Spine Clearance Working Group** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
  Herman, M. J., Brown, K. O., Sponseller, P. D., Phillips, J. H., Petrucelli, P. M., Parikh, D. J., Mody, K. S., Leonard, J. C., Moront, M., Brockmeyer, D. L., Anderson, R. C. E., Alder, A. C., Anderson, et al
  2019; 101 (1): e1

- **Needs Assessment for Simulation Training for Prehospital Providers in Botswana.** *Prehospital and disaster medicine*
  Glomb, N. W., Kosoko, A. A., Doughty, C. B., Rus, M. C., Shah, M. I., Cox, M., Galapi, C., Parkes, P. S., Kumar, S., Laba, B.
  2018; 33 (6): 621-626

- **Consensus-based Criterion Standard for the Identification of Pediatric Patients Who Need Emergency Medical Services Transport to a Hospital with Higher-level Pediatric Resources.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Studnek, J. R., Lerner, E. B., Shah, M. I., Browne, L. R., Brousseau, D. C., Cushman, J. T., Dayan, P. S., Drayna, P. C., Drendel, A. L., Gray, M. P., Kahn, C. A., Meyer, M. T., Shah, et al
  2018; 25 (12): 1409-1414

- **Determinants of Pediatric EMS Utilization in Children with High-Acuity Conditions** *PREHOSPITAL EMERGENCY CARE*
  Quinones, C., Shah, M. I., Cruz, A. T., Graf, J. M., Mondragon, J. A., Camp, E. A., Reddy, P., Sampayo, E. M.
  2018; 22 (6): 676-690

- **Multicenter Analysis of Transport Destinations for Pediatric Prehospital Patients.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Lerner, E. B., Studnek, J. R., Fumo, N., Banerjee, A., Arapi, I., Browne, L. R., Ostermayer, D. G., Reynolds, S., Shah, M. I.
  2018

- **A Survey of Restraint Methods for the Safe Transport of Children in Ground Ambulances.** *Pediatric emergency care*
  Woods, R. H., Shah, M., Doughty, C., Gilchrest, A.
  2018; 34 (3): 149-153

- **Improving Prehospital Protocol Adherence Using Bundled Educational Interventions.** *Prehospital emergency care*
  Marino, M. C., Ostermayer, D. G., Mondragon, J. A., Camp, E. A., Keating, E. M., Fornage, L. B., Brown, C. A., Shah, M. I.
  2018; 22 (3): 361-369

- **Implementation of a Prehospital Protocol Change For Asthmatic Children** *PREHOSPITAL EMERGENCY CARE*
  Nassif, A., Ostermayer, D. G., Hoang, K. B., Claiborne, M. K., Camp, E. A., Shah, M. I.
  2018; 22 (4): 457–65

- **Prehospital Providers' Perceptions on Providing Patient and Family Centered Care.** *Prehospital emergency care*
  Ayub, E. M., Sampayo, E. M., Shah, M. I., Doughty, C. B.
  2017; 21 (2): 233-241

- **Retrospective Review of Pediatric Transport: Where Do Our Patients Go After Transport?** *Air medical journal*
  Krennerich, E., Sitler, C. G., Shah, M., Lam, F., Graf, J.
  2017; 36 (6): 332-338

- **Prioritising minimum standards of emergency care for children in resource-limited settings.** *Paediatrics and international child health*
  Glomb, N. W., Shah, M. I., Cruz, A. T.
  2017; 37 (2): 116-120

- **Resource Document: Coordination of Pediatric Emergency Care in EMS Systems.** *Prehospital emergency care*
  Remick, K., Gross, T., Adelgais, K., Shah, M. I., Leonard, J. C., Gausche-Hill, M.
  2017; 21 (3): 399-407

- **Multicenter Evaluation of Prehospital Opioid Pain Management in Injured Children.** *Prehospital emergency care*
  Browne, L. R., Shah, M. I., Studnek, J. R., Ostermayer, D. G., Reynolds, S., Guse, C. E., Brousseau, D. C., Lerner, E. B.
  2016; 20 (6): 759-767

- **Impact of High-Fidelity Pediatric Simulation on Paramedic Seizure Management.** *Prehospital emergency care*
  Shah, M. I., Carey, J. M., Rapp, S. E., Masciale, M., Alcanter, W. B., Mondragon, J. A., Camp, E. A., Prater, S. J., Doughty, C. B.
  2016; 20 (4): 499-507

- **Continuing Medical Education for Air Medical Providers: The Successes and Challenges.** *Pediatric emergency care*
  Miller, J. O., Thammasitboon, S., Hsu, D. C., Shah, M. I., Minard, C. G., Graf, J. M.
  2016; 32 (2): 87-92

- **2015 Pediatric Research Priorities in Prehospital Care.** *Prehospital emergency care*
  Browne, L. R., Shah, M. I., Studnek, J. R., Farrell, B. M., Mattrisch, L. M., Reynolds, S., Ostermayer, D. G., Brousseau, D. C., Lerner, E. B.
  2016; 20 (3): 311-6

- **Prehospital Opioid Administration in the Emergency Care of Injured Children.** *Prehospital emergency care*
  Browne, L. R., Studnek, J. R., Shah, M. I., Brousseau, D. C., Guse, C. E., Lerner, E. B.
  2016; 20 (1): 59-65

- **A consensus-based criterion standard definition for pediatric patients who needed the highest-level trauma team activation.** *The journal of trauma and acute care surgery*
  Lerner, E. B., Drendel, A. L., Falcone, R. A., Weitze, K. C., Badawy, M. K., Cooper, A., Cushman, J. T., Drayna, P. C., Gourlay, D. M., Gray, M. P., Shah, M. I., Shah, M. N.
  2015; 78 (3): 634-8

- **An Evidence-based Guideline for Pediatric Prehospital Seizure Management Using GRADE Methodology.** *Prehospital emergency care*
  Shah, M. I., Macias, C. G., Dayan, P. S., Weik, T. S., Brown, K. M., Fuchs, S. M., Fallat, M. E., Wright, J. L., Lang, E. S.
  2014; 18 Suppl 1: 15-24

- **The development of evidence-based prehospital guidelines using a GRADE-based methodology.** *Prehospital emergency care*
  Brown, K. M., Macias, C. G., Dayan, P. S., Shah, M. I., Weik, T. S., Wright, J. L., Lang, E. S.
  2014; 18 Suppl 1: 3-14

- **Equipment for ground ambulances.** *Prehospital emergency care*
  2014; 18 (1): 92-7

- **Pediatric Prehospital Seizure Management** *CLINICAL PEDIATRIC EMERGENCY MEDICINE*
  Carey, J. M., Shah, M. I.
  2014; 15 (1): 59-66

- **EMSC program manager survey on education of prehospital providers.** *Prehospital emergency care*
  Ngo, T. L., Belli, K., Shah, M. I.
  2014; 18 (3): 424-8

- **Prospective pilot derivation of a decision tool for children at low risk for testicular torsion.** *Academic emergency medicine : official journal of the Society for Academic Emergency Medicine*
  Shah, M. I., Chantal Caviness, A., Mendez, D. R.
  2013; 20 (3): 271-8

- **Prehospital Management of Pediatric Trauma** *CLINICAL PEDIATRIC EMERGENCY MEDICINE*
  Shah, M. I.
  2010; 11 (1): 10-17

- **Cardiac troponin increases among runners in the Boston Marathon** *ANNALS OF EMERGENCY MEDICINE*
  Fortescue, E. B., Shin, A. Y., Greenes, D. S., Mannix, R. C., Agarwal, S., Feldman, B. J., Shah, M. I., Rifai, N., Landzberg, M. J., Newburger, J. W., Almond, C. S.
  2007; 49 (2): 137-143