Nathan Kuppermann, M.D., M.P.H.

Clinical Interests

Nathan Kuppermann is a nationally recognized expert in pediatric emergency medicine. In addition to his clinical work, he has made outstanding research contributions, promoting global and national collaborations among leading pediatric emergency departments to advance the care of critically ill and injured children.

Kupperman holds the Bo Tomas Brofeldt Endowed Chair in the Department of Emergency Medicine at UC Davis. Kuppermann is an elected member of the National Academy of Medicine (NAM). He is the principal investigator of the Pediatric Emergency Care Applied Research Network (PECARN). He also chairs the executive committee of the global Pediatric Emergency Research Network (PERN).

Research/Academic Interests

Kuppermann's research foci include laboratory and radiographic evaluation of pediatric trauma patients; pediatric diabetic ketoacidosis-associated cerebral edema; clinical and laboratory evaluation of febrile children; and knowledge translation, shared decision-making and cost-effectiveness of clinical prediction rules.

Title

Professor and Chair, Department of Emergency Medicine
Chair for Council of Chairs, UC Davis Health System
Principal Investigator-Pediatric Emergency Care Applied Research Network(PECARN)
Chairs the executive committee of the Global Pediatric Emergency Research Network (PERN)

Specialty

Pediatric Emergency Medicine

Department

Emergency Medicine
Pediatrics

Division

Pediatric Emergency Medicine

Center/Program Affiliation

UC Davis Children's Hospital

Address/Phone

UC Davis Children's Hospital, 2315 Stockton Blvd. Sacramento, CA 95817
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Languages

Hebrew, Portuguese, Spanish

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Nathan Kuppermann, M.D., M.P.H.

Education

M.D., UC San Francisco School of Medicine, San Francisco CA 1985
M.P.H., Harvard University School of Public Health, Boston MA 1993
B.Sc., Stanford University, Palo Alto CA 1981

Residency

Chief Resident-Department of Pediatrics, Harbor-University of California, Los Angeles Medical Center, Torrance CA 1989-1990
Pediatrics, Harbor-University of California, Los Angeles Medical Center, Torrance CA 1985-1989

Fellowships

Pediatric Emergency Medicine, Children's Hospital Boston, Boston MA 1990-1993

Board Certifications

American Board of Pediatrics, Pediatric Emergency Medicine, 2008

Professional Memberships

Ambulatory Pediatric Association
American Academy of Pediatrics- Fellow
American College of Emergency Physicians, Fellow
American Pediatric Society
National Academy of Medicine (NAM)
Society for Academic Emergency Medicine
Society for Pediatric Research
Western Society for Pediatric Research

Honors and Awards

Best Scientific Paper, AAP, Section on Emergency Medicine for: Nigrovic L, Mahajan P, Tzimenatos L, Alpern E, Rogers A, Simmons T, Casper C, Ramilo O, Kuppermann N, for PECARN. The Accuracy of the Yale Observation Scale Score and Unstructured Clinician Suspicion to Identify Febrile Infants Aged 60 Days with Serious Bacterial Infections. AAP Meeting, Washington, D.C., 2015

Best Research Presentation, Western Society for Academic Emergency Medicine (SAEM) for: Walsh P, Cunningham P, Sabrina Merchant, Kuppermann N. Derivation of a Clinical Decision Rule to Predict Infants at Early Risk of Central Apnea. Western Regional SAEM Research Forum, Irvine, CA, 2014

SAEM Gallery of Excellence Award: Natale JE, Joseph JG, Rogers AJ, Tunik M, Monroe D, Kerrey Bonsu B, Page K, Adelgais K, Quayle K, Kuppermann N, Holmes JF. Association of Patient Race/Ethnicity with Use of Computed Tomography among Children with Blunt Torso Trauma. SAEM Annual Meeting, Dallas, TX, 2014

Jim Seidel Distinguished Service Award for outstanding contributions in the field of Pediatric Emergency Medicine, American Academy of Pediatrics, 2012

AAP Section on Emergency Medicine Award for Best Abstract (multiple authors), 2012

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Best Scientific Paper, AAP, Section on Emergency Medicine (multiple authors), 2011
Excellence in Research Award, America College of Emergency Physicians, 2011
National Academy of Medicine (NAM) , Elected Member, 2010
Excellence in Research Award, Society for Academic Emergency Medicine, 2010
National Heroes Award, U.S. Department of Health and Human Services, Emergency Medical Services for Children Program, 2010
Miller-Sarkin Mentoring Award, Academic Pediatric Association (APA), 2009
UC Davis Award for Outstanding Contributions to Faculty Development and Diversity, 2007
UC Davis School of Medicine Dean's Award for Excellence in Research and Clinical Mentoring, 2003

Select Recent Publications

Rogers AJ, Kuppermann N, Thelen AE, Stanley RM, Maher CO. Children With Arachnoid Cysts Who Sustain Blunt Head Trauma: Injury Mechanisms and Outcomes. Acad Emerg Med. 2016 Mar; 23(3):358-61.

Finnerty NM, Rodriguez RM, Carpenter CR, Sun BC, Theyyunni N, Ohle R, Dodd KW, Schoenfeld EM, Elm KD, Kline JA, Holmes JF, Kuppermann N. Clinical Decision Rules for Diagnostic Imaging in the Emergency Department: A Research Agenda. Acad Emerg Med. 2015 Dec;22(12):1406-16.

McCabe AM, Kuppermann N. Generation of Evidence and Translation Into Practice: Lessons Learned and Future Directions. Acad Emerg Med. 2015 Dec;22(12):1372-9.

Goyal MK, Kuppermann N, Cleary SD, Teach SJ, Chamberlain JM. Racial Disparities in Pain Management of Children With Appendicitis in Emergency Departments. JAMA Pediatr. 2015 Nov; 169(11):996-1002.

Powell EC, Atabaki SM, Wootton-Gorges S, Wisner D, Mahajan P, Glass T, Miskin M, Stanley RM, Jacobs E, Dayan PS, Holmes JF, Kuppermann N. Isolated linear skull fractures in children with blunt head trauma. Pediatrics. 2015 Apr;135(4):e851-7.

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Leonard JC, Jaffe DM, Olsen CS, Kuppermann N. Age-related differences in factors associated with cervical spine injuries in children. Acad Emerg Med. 2015 Apr;22(4):441-6.

Tzimenatos L, Kim E, Kuppermann N. The Pediatric Emergency Care Applied Research Network: a history of multicenter collaboration in the United States. Pediatr Emerg Care. 2015 Jan;31(1):70-6.

Mahajan P, Kuppermann N, Suarez N, Mejias A, Casper C, Dean JM, Ramilo O; Febrile Infant Working Group for the Pediatric Emergency Care Applied Research Network (PECARN). RNA transcriptional biosignature analysis for identifying febrile infants with serious bacterial infections in the emergency department: a feasibility study. Pediatr Emerg Care. 2015 Jan;31(1):1-5.

Quayle KS, Powell EC, Mahajan P, Hoyle JD Jr, Nadel FM, Badawy MK, Schunk JE, Stanley RM, Miskin M, Atabaki SM, Dayan PS, Holmes JF, Kuppermann N. Epidemiology of blunt head trauma in children in U.S. emergency departments. N Engl J Med. 2014 Nov 13;371(20):1945-7.

Kuppermann N, Holmes JF, Dayan PS, Hoyle JD Jr, Atabaki SM, Holubkov R, Nadel FM, Monroe D, Stanley RM, Borgialli DA, Badawy MK, Schunk JE, Quayle KS, Mahajan P, Lichenstein R, Lillis KA, Tunik MG, Jacobs ES, Callahan JM, Gorelick MH, Glass TF, Lee LK, Bachman MC, Cooper A, Powell EC, Gerardi MJ, Melville KA, Muizelaar JP, Wisner DH, Zuspan SJ, Dean JM, Wootton-Gorges SL; Pediatric Emergency Care Applied Research Network (PECARN). Identification of children at very low risk of clinically-important brain injuries after head trauma: a prospective cohort study. Lancet. 2009 Oct 3;374(9696):1160-70.

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