



JoAnne E. Natale, M.D., Ph.D.

Clinical Interests	Dr. Natale has clinical interests in pediatric critical care medicine. Her research interests focus on quality improvement, neurocritical care and clinical trials in critically ill children.
Title	Medical Director, UC Davis Children's Hospital Pediatric Intensive Care Unit Professor
Specialty	Pediatric Critical Care
Department	Pediatrics
Division	Pediatric Critical Care
Center/Program Affiliation	UC Davis Children's Hospital
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Education	M.D., Michigan State University, East Lansing, Michigan, 1993 Ph.D., University of Michigan Medical School, Ann Arbor, Michigan, 1988 B.S., Allentown College, Center Valley, Pennsylvania, 1984
Internships	Albert Einstein/Montefiore Medical Center, Bronx, New York, 1994
Residency	Albert Einstein/Montefiore Medical Center, Bronx, New York, 1996
Fellowships	Johns Hopkins Hospital, Baltimore, Maryland, 1999
Board Certifications	American Board of Pediatrics, 1996 American Board of Pediatrics, Critical Care Medicine, 2000
Professional Memberships	American Academy of Pediatrics, Fellow National Neurotrauma Society Neurocritical Care Society Society for Pediatric Research, Elected member Society of Critical Care Medicine Western Society for Pediatric Research



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Honors and Awards

Ambassador of Diversity, UC Davis Health System, 2008

Award for Scientific and Academic Achievement, Clinical Research by Junior Faculty, Children's Research Institute, Children's National Medical Center, 2005

Select Recent Publications

Natale J, Joseph J, Rogers A, Mahajan P, Cooper A, Wisner D, Miskin M, Hoyle J, Atabaki S, Dayan P, Holmes J, Kuppermann N. Cranial CT use for minor head trauma in children is associated with race/ethnicity. *Arch Child Adolescent Med.* 166(8):732-777.

Klein P, Herr D, Pearl PL, Natale J, Levine Z, Nogay C, Sandoval F, Trzcinsky S, Atabaki SM, Tsuchida T, van den Anker J, Soldin SJ, He J, McCarter R. Results of phase 2 safety and feasibility study of treatment with levetiracetam for prevention of posttraumatic epilepsy: *Archives of Neurology.* 2012; 69(10):1290-1295.

Klein P, Herr D, Pearl PL, Natale J, Levine Z, Nogay C, Sandoval F, Trzcinsky S, Atabaki SM, Tsuchida T, van den Anker J, Soldin SJ, He J, McCarter R. Results of phase 2 pharmacokinetic study of levetiracetam for prevention of post-traumatic epilepsy. *Epilepsy and Behavior.* 2012; 24(4):457-61.

Shaikh, U, Natale J, Nettiksimmons J, Li ST. Improving pediatric healthcare delivery by engaging residents in team-based quality improvement projects. *Amer J Med Quality.* 2012; 28(2):120-126.

Natale JE, Joseph JG, Honomichl RD, Bazanni LG, Kagawa KJ, Marcin JP. Benchmarking, public reporting, and pay-for-performance: A mixed-methods survey of California pediatric intensive care unit medical directors. *Pediatr Crit Care Med.* 2011 Nov;12(6):e225-32.

Plymale J, Park J, Natale J, Moon-Grady A. Corrected QT Interval in Children With Brain Death. *Pediatr Cardiol.* 2010 Oct;31(7):1064-9. Epub 2010 Aug 20.

Natale JE, Hamburger E, Aman M, Asmerom W, Faisal A, Gebremichael F, Haile S, Maekele M, Mohammed M, Tesfaye D, Ghiorghis B, Joseph JG. Intervention to Reduce Parental Bypass of Community Pediatric Primary Health Facilities in Asmara, Eritrea. *Journal of Primary Care Community Health* 2010 Oct; 1(3): 213-217.

Salorio CF, Slomine BS, Guerguerian AM, Christensen JR, White JR, Natale JE, Shaffner DH, Grados



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MA, Vasa RA, Gerring JP. Intensive care unit variables and outcome after pediatric traumatic brain injury: a retrospective study of survivors. *Pediatr Crit Care Med*. 2008 Jan;9(1):47-53.

Natale JE*, Guerguerian A-M*, Joseph JG, McCarter R, Shao C, Slomine B, Christensen J, Johnston J, Shaffner DH. (*equal contributors). Randomized trial of magnesium sulfate infusion in children with severe traumatic brain injury: Feasibility and hemodynamic safety. *Pediatric Critical Care Medicine*, 8(1):1-9, 2007. (feature article)

Natale JE, Joseph JG, Pretzlaff R, Silber T, Guerguerian AM. Clinical trials in pediatric traumatic brain injury: Unique challenges and potential responses. *Developmental Neurosci*, 28:276-290, 2006.

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