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**Carl T. Berdahl, MD, MS**  
Emergency Physician and Health Services Researcher  
CURRICULUM VITAE

**PERSONAL INFORMATION:**

*Cedars-Sinai Emergency Department Contact Information*

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**EDUCATION:**

2002 – 2007 University of California – Los Angeles (UCLA), School of Arts and Architecture, B.A., Music Performance (Summa Cum Laude)  
2007 – 2012 Yale University, School of Medicine, M.D. (Thesis)  
2012 – 2016 Los Angeles County + University of Southern California Medical Center (LAC+USC), Department of Emergency Medicine (Chief Resident of Education)  
2016 – 2017 UCLA, Fielding School of Public Health, Masters of Science in Health Policy and Management, Concentration in Implementation Science  
2016 – 2018 National Clinician Scholar Program, UCLA, Post-Doctoral Fellowship  
2017 – 2020 Clinical Scholars Program, Cedars-Sinai Medical Center, Post-Doctoral Fellowship

**LICENSURE:**

2013 – present Medical Board of California, License Number A126646  
2017 – present Louisiana State Board of Medical Examiners, License Number 307583

**BOARD CERTIFICATION:**

2017 – present American Board of Emergency Medicine

**PROFESSIONAL EXPERIENCE:**

2015 – 2018 Per Diem Emergency Physician, Kaiser Permanente Baldwin Park, Baldwin Park, CA  
2016 – present Staff Emergency Physician, Cedars-Sinai Medical Center, Los Angeles, CA  
2018 – present Research Scientist, Cedars-Sinai Medical Center, Los Angeles, CA  
2018 – present Per Diem Emergency Physician, Our Lady of the Lake Medical Center, Baton Rouge, LA  
2018 – present Per Diem Emergency Physician, LA County + USC Medical Center, Los Angeles, CA  
2018 – present Health Policy Analyst, The RAND Corporation, Santa Monica, CA

## **PROFESSIONAL ACTIVITIES:**

### *Editorial Services (Ad Hoc Manuscript Reviewer):*

2014 – present      Annals of Emergency Medicine  
2015 – present      Pediatrics  
2015 – present      BMC Health Services  
2016 – present      BMJ Open  
2017 – present      International Journal of Health Services

### *Committee Service:*

2008 – 2009      Medical Student Member, Human Investigations Committee, Yale School of Medicine

### *Meeting Abstract Committees:*

2015              Society for Academic Emergency Medicine, Annual Meeting

### *Course Direction Experience:*

2013 – 2015      Co-course director for undergraduate course “Preparation for the Clinical Experience” at University of Southern California  
2014 – 2015      Co-course director for undergraduate course “Organ Failure: Non-Communicable Chronic Disease” at University of Southern California

### *Other Work Experience:*

Summer 2006      San Francisco General Hospital: Analyzed projected savings for implementing a specialized team that would monitor orthopedic implant spending

### *Foreign Language Skills:*

Spanish:              Spoken – Advanced, Medical – Advanced, Writing – Proficient, Reading – Proficient

## **HONORS AND SPECIAL AWARDS:**

2016              Top Peer Reviewer 2016, Annals of Emergency Medicine  
2016              Emergency Medicine Residents’ Association Academic Excellence Award  
2016              Stephen Abrahamson Award for Innovation: Best of Cool Ideas  
2015 – 2016      Chief Resident of Education, LA County + USC Department of Emergency Medicine  
2015              Society for Academic Emergency Medicine Consensus Conference Travel Award  
2015              Best Resident Research Presentation, LA County + USC Department of Emergency Medicine  
2011              Best Medical Student Presentation at the Society for Academic Emergency Medicine Annual Meeting  
2002 – 2007      University of California Regents’ Scholar  
2002 – 2007      Constant Member of Dean’s List, UCLA  
2002              Eagle Scout Award  
2002              Bank of America Scholar  
2002              Robert C. Byrd Scholar  
2002              California Governor’s Scholar

## RESEARCH GRANTS AND FELLOWSHIPS RECEIVED:

- 6/2008 to 8/2008 “Is a circumcision trial warranted in Lima’s population of men who have sex with men?”  
Wilbur Downs International Health Student Travel Fellowship  
Yale University School of Medicine  
Role: Co-Principal Investigator  
Principal Investigator: Jennifer Prah Ruger  
Funding Cost: \$5000; 100% effort
- 2010 – 2011 “Emergency department computed tomography utilization in the United States and Canada”  
James G. Hirsch Endowed Medical Student Research Fellowship  
Yale University School of Medicine  
Role: Co-Principal Investigator  
Principal Investigators: Howard Forman and Michael Schull  
Funding Cost: \$50,000; 80% effort
- 2014 – 2015 “Variation in emergency department resource utilization by patient insurance status and hospital ownership”  
Seed Grant, Department of Emergency Medicine  
Los Angeles County + University of Southern California Medical Center  
Role: Co-Principal Investigator  
Principal Investigator: Seth Seabury  
Funding Cost: \$5,000; 5% effort

## ONGOING RESEARCH PROJECTS

- 2013 – present Out-of-pocket spending by emergency department patients in the United States: How does it vary by insurance status? Analysis in progress. Expected completion in 2018
- 2017 – present Documentation versus reality: Assessing concordance of documentation and the patient-physician encounter using trained observers. Data collection began in June 2017. Expected completion in 2018
- 2017 – present Primary care physicians and quality measurement in the Merit-Based Incentive Payment System: A longitudinal, qualitative study of experience of attitudes, beliefs, and clinical practice culture. Data collection will begin in fall 2017. Expected completion in 2019
- 2017 – present Systematic review of emergency department quality measures. Study design in progress. Expected completion in 2018

## INVITED LECTURES AND PRESENTATIONS:

1. **Berdahl CT**. “Strategies for cost-savings on orthopedic implants,” San Francisco General Hospital Board Meeting, September, 2006.
2. **Berdahl CT**, Ruger J. Is a circumcision trial warranted in Lima’s population of men who have sex with men? Wilbur Downs Fellowship Symposium; New Haven, CT. October 2008. Poster.
3. **Berdahl CT**. “An update on health reform,” Coalition for the People Annual Meeting, New Haven, CT, April 10, 2010.
4. **Berdahl CT**, Vermeulen M, Larson D, Schull M. A Tale Of Two Trends: Utilization of computed tomography in American and Canadian emergency departments. European Society of Gastrointestinal and Abdominal Radiology Annual Meeting; Venice, Italy. May 2011. Electronic poster.
5. **Berdahl CT**, Vermeulen M, Larson D, Schull M. A Tale of Two Trends: Utilization Of Computed Tomography In American And Canadian Emergency Departments. Society for Academic Emergency Medicine Annual Meeting; Boston, MA. June 2011. Moderated poster.

6. **Berdahl CT**, Vermeulen M, Larson D, Schull M. Emergency department computed tomography utilization in the United States and Canada. Yale University School of Medicine Student Research Day; New Haven, CT. May 2012. Poster.
7. **Berdahl CT**, Mestres R, Mindlin D, Amin D, Swadron SP. Residents as teachers: a new course model for pre-medical education. Innovations in Medical Education Conference; Los Angeles, CA. February 2014. Poster.
8. Friedman A, **Berdahl CT**, Hsia R, Seabury S. The out-of-pocket costs of emergency department visits according to patient insurance status. Society for Academic Emergency Medicine Western Regional Meeting; Irvine, CA. March 2014. Electronic poster.
9. Kearn L, Claudius I, Behar S, Hardasmalani M, Rose E, Santillanes G, Hardiman K, **Berdahl CT**. MRI for the diagnosis of pediatric appendicitis. Society for Academic Emergency Medicine Western Regional Meeting; Irvine, CA. March 2014. Electronic poster.
10. Friedman A, **Berdahl CT**, Hsia R, Seabury S. The out-of-pocket costs of emergency department visits according to patient insurance status. Society for Academic Emergency Medicine Annual Meeting; Dallas, TX. May 2014. Electronic poster.
11. **Berdahl CT**, Mestres R, Mindlin D, Amin D, Swadron SP. Emergency medicine residents as teachers: a new course model for pre-medical education. American College of Emergency Physicians Research Forum; Chicago, IL. October 2014. Electronic poster.
12. Kearn L, Claudius I, Behar S, Hardasmalani M, Rose E, Santillanes G, Hardiman K, **Berdahl CT**. Magnetic resonance imaging for the diagnosis of pediatric appendicitis. American College of Emergency Physicians Research Forum; Chicago, IL. October 2014. Electronic poster.
13. Claudius I, Kearn YL, Behar S, Cooper J, Dollbaum R, Hardasmalani M, Hardiman K, Kagen I, Rose E, Santillanes G, **Berdahl CT**. How definitive is ultrasound for the diagnosis of appendicitis in children, and is confirmatory advanced imaging necessary? American College of Emergency Physicians Research Forum; Boston, MA. October 2015. Poster.
14. Tabatabai R, Rose E, **Berdahl CT**, Schneberk T, Jain A, Luu A, Musser B, Hellman J, Osterman J. Resident Physician Wellness and Burnout Prevention Curriculum. Innovations in Medical Education Conference; Los Angeles, CA. February 2016. "Best of cool ideas" oral presentation.
15. **Berdahl CT**, Menchine M, Seabury S. Impact of hospital ownership and expected payer on admission and workup for emergency department patients with chest pain. Society for Academic Emergency Medicine Western Regional Meeting; Marina del Rey, CA. April 2016. Plenary session presentation.
16. **Berdahl CT**, Menchine M, Seabury S. Impact of hospital ownership and expected payer on admission and workup for emergency department patients with chest pain. Society for Academic Emergency Medicine Annual Meeting; New Orleans, LA. May 2016. Lightning oral presentation.
17. **Berdahl CT**, Ryan G, Needleman J, Nuckols T. Primary Care Physicians in the Merit-Based Incentive Payment System: A Qualitative Study of Quality-Relevant Beliefs and Clinical Practice Changes

#### CLINICAL TEACHING ACTIVITIES:

2014 – 2016	Teaching of junior residents Organization: Los Angeles County + USC Department of Emergency Medicine Role: Senior resident paired with rotating interns and residents from emergency medicine, internal medicine, and other specialties
2016 – present	Teaching of internal medicine residents Organization: Cedars-Sinai Department of Emergency Medicine Role: Attending physician paired with one internal medicine resident on clinical shifts
2018 – present	Teaching of emergency medicine residents Organization: Our Lady of the Lake Medical Center in Baton Rouge, LA Role: Per-diem leading a department of emergency medicine residents on clinical shifts

## FORMAL NON-CLINICAL TEACHING ROLES:

2013 – 2015	Co-course director for undergraduate course “Preparation for the Clinical Experience” Organization: University of Southern California Role: Developing curriculum, lecturing, and inviting guest lecturers
2014 – 2015	Co-course director for undergraduate course “Organ Failure: Non-Communicable Chronic Disease” Organization: University of Southern California Role: Developing curriculum, lecturing, and inviting guest lecturers
2015 – 2016	Chief Resident of Education and Organizer of Grand Rounds Organization: Los Angeles County + USC Department of Emergency Medicine Role: Developing curriculum, inviting lecturers, and presenting weekly grand rounds educational material such as morbidity and mortality reports and updates from the latest emergency medicine research literature

## INVITED LECTURES:

1. **Berdahl CT.** “How to write op-eds and letters to the editor,” Yale School of Medicine Guest Speaker Series, February 2010.
2. **Berdahl CT.** “Health Reform and State Innovation: An Opportunity for Social Justice.” George Washington University, Physicians for a National Health Program Student Interest Group, February 10, 2011.
3. **Berdahl CT.** “Health Reform and State Innovation: An Opportunity for Social Justice.” Weill Cornell Medical College, Physicians for a National Health Program Student Interest Group, February 24, 2011.
4. **Berdahl CT.** “Health Reform and State Innovation: An Opportunity for Social Justice.” Albany Medical College, Physicians for a National Health Program Student Interest Group, February 28, 2011.
5. **Berdahl CT.** “Emergency Department Workup of Appendicitis: A Critical Review,” Department of Emergency Medicine Grand Rounds, LAC+USC Medical Center, August 14, 2014.
6. **Berdahl CT, Salway RJ.** “FOAM: Free open access medical education,” Department of Emergency Medicine Grand Rounds, LAC+USC Medical Center, February 12, 2015.
7. **Berdahl CT.** “Subdural hemorrhage: How to deal with a difficult case,” Cedars-Sinai Emergency Department Resident Lecture, September 14, 2016.
8. **Berdahl CT, Schneberk T.** “Sensitivity, specificity, and test statistics: Pulmonary embolism as a case study,” UCLA Medical Student Lecture, November 3, 2016.
9. **Berdahl CT.** “The Merit-Based Incentive Payment System: Will it be a success in quality improvement for emergency medicine?” UCLA/Olive View Emergency Medicine Grand Rounds, May 9, 2017.
10. **Berdahl CT.** “Physician Payment and the Merit-Based Incentive Payment System” Cedars-Sinai Health Delivery Science 202, October 9, 2017.

## PUBLICATION/BIBLIOGRAPHY:

### RESEARCH PAPERS – PEER REVIEWED

1. **Berdahl CT, Vermeulen MJ, Larson DB, Schull MJ.** Emergency department computed tomography utilization in the United States and Canada. *Annals of Emergency Medicine*, 2013 Nov; 62(5), 486-494.e3.
2. Bhayana R, Vermeulen M, Heilings C, **Berdahl CT, Schull M.** Socioeconomic status and the use of computed tomography in the emergency department. *Canadian Journal of Emergency Medicine*, 2014 Jul; 16(4):288-295.

3. **Berdahl CT**, Schuur JD, Fisher N, Burstin H, Pines JM. Policy Measures and reimbursement for emergency medical imaging in the era of payment reform: Proceedings from a panel discussion of the 2015 Academic Emergency Medicine Consensus Conference. *Academic Emergency Medicine*, 2015 Dec; 22(12):1393-9.
4. Kuehl DR, **Berdahl CT**, Jackson TD, Venkatesh AK, Mistry RD, Bhargavan-Chatfield M, Raukar NP, Carr BG, Schuur JD, Kocher KE. Advancing the use of administrative data for emergency department diagnostic imaging research. *Academic Emergency Medicine*, 2015 Dec; 22(12):1417-26.
5. Kearl YL, Claudius I, Behar S, Cooper J, Dollbaum R, Hardasmalani M, Hardiman K, Rose E, Santillanes G, **Berdahl CT**. Accuracy of magnetic resonance imaging and ultrasound for appendicitis in diagnostic and nondiagnostic studies. *Academic Emergency Medicine*, 2016 Feb; 23(2):179-85.
6. Tseng P, **Berdahl CT**, Kearl YL, Behar S, Cooper J, Dollbaum R, Hardasmalani M, Hardiman K, Rose E, Santillanes G, Lam C, Claudius I. Does right lower quadrant abdominal ultrasound accurately identify perforation in pediatric acute appendicitis? *Journal of Emergency Medicine*, 2016 Apr; 50(4):638-42.
7. Greenberg J, **Berdahl CT**, Kearl L, Behar S, Cooper J, Dollbaum R, Hardasmalani M, Hardiman K, Rose E, Santillanes G, Claudius I. What does pelvic ultrasound add to the diagnostic work-up for appendicitis? *Open Journal of Clinical & Medical Case Reports*, 2016; 2(10): 1115.
8. Gorton RN, **Berdahl CT**. Improving the quality of emergency care for transgender patients. *Annals of Emergency Medicine*, 2018; 71(2): 189-291.e1.

#### NON-PEER REVIEWED PUBLICATIONS

1. **Berdahl CT**. Emergency department computed tomography utilization in the United States and Canada (Doctoral Thesis). Yale University School of Medicine; New Haven, CT. May 2012.
2. **Berdahl CT**, Venkatesh A. 2018 E-QUAL Imaging Metric Update: New age-based exclusion criteria for imaging measures. E-QUAL E-News, April 2018.

#### BOOK CHAPTERS

1. **Berdahl CT**, Woolhandler S, Kimmel S, Himmelstein D. Point/Counterpoint on single payer health reform. In *Debates on U.S. Health Care*. Kronenfeld J, Parmet W, Zezza M (eds). SAGE Publications; Thousand Oaks, CA. September 2012.

#### LETTERS TO THE EDITOR

1. **Berdahl CT**. How to rein in Medicare costs. Los Angeles Times; December 13, 2012.

#### EDITORIAL

1. **Berdahl CT**. Vermont: A Model for Health Care Reform? *Atrium Magazine*; February 11, 2011. Available from: <http://www.atrium-magazine.com/2011/02/vermont-a-model-for-health-care-reform/>

#### PODCASTS

1. Matloff E, **Berdahl CT**. The truth about testing true negative. *Cancer Bytes*; May 17, 2010. Available from: <https://itunes.apple.com/us/podcast/truth-about-testing-true-negative/id335047176?i=346796566>
2. Mallon W, Swadron S, **Berdahl CT**. EM:RAP Audio Update: California Proposition 46. *Essentials of Emergency Medicine Blog*; July 21, 2014. Available from: <http://blog.essentialsofem.com/2014/07/21/emrap-audio-update-california-prop-46/>
3. Milne K, **Berdahl CT**, Harrison D, Schneberk T. Call me maybe for bystander CPR. *Skeptics Guide to Emergency Medicine Blog*, Episode #143. January 17, 2016. Available from: <http://thesgem.com/>