

ROGER JAY LEWIS, M.D., Ph.D.

CURRICULUM VITAE

Revision Date: October 14, 2020

BUSINESS ADDRESS:

Department of Emergency Medicine
Harbor-UCLA Medical Center, Box 21
1000 West Carson Street
Torrance, California 90509
(424) 306-5400 (Office)
(310) 782-1762 (Facsimile)

DHS email: rlewis@dhs.lacounty.gov
Academic email: roger@emedharbor.edu
Consulting email: roger@berryconsultants.com

EDUCATION:

Undergraduate

Degree:	BS Physics BS Biological Sciences	Stanford University Palo Alto, California	1977 - 1981
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Graduate

Degree:	PhD Biophysics	Stanford University Palo Alto, California	1982 - 1986
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Degree:	MD	Stanford University School of Medicine Palo Alto, California	1981 - 1987
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Postgraduate

Emergency Medicine Residency	Harbor-UCLA Medical Center Torrance, California	1987 - 1990
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LICENSURE:	Physician and Surgeon - California License: G063560	1988 -
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BOARD CERTIFICATION:	Certification, American Board of Emergency Medicine	1991 - 2001
	First Recertification, American Board of Emergency Medicine	2000 - 2010
	Second Recertification, American Board of Emergency Medicine	2010 - 2020
	Third Recertification, American Board of Emergency Medicine	2020 - 2030

ACADEMIC POSITIONS:

Professor-in-Residence Department of Emergency Medicine David Geffen School of Medicine at UCLA Los Angeles, California	2016 -
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Professor-in-Residence Department of Medicine David Geffen School of Medicine at UCLA Los Angeles, California	2003 - 2016
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ACADEMIC POSITIONS (Continued):

Associate Professor-in-Residence 1997 - 2003
Department of Medicine
David Geffen School of Medicine at UCLA
Los Angeles, California

Assistant Professor-in-Residence 1990 - 1997
Department of Medicine
UCLA School of Medicine
Los Angeles, California

PRESENT POSITIONS:

Senior Medical Scientist 2007 -
Berry Consultants, LLC
Austin, Texas

Member 2009 -
National Academy of Medicine of the National Academies (formerly the Institute of Medicine)
Washington, DC

Special Government Employee 2017 - 2021
Center for Biologics Evaluation and Research
US Food and Drug Administration
Rockville, Maryland

Visiting Team Medical Liaison 2017 -
Airway Management Physician 2018 -
Los Angeles Chargers
National Football League
Los Angeles, California

Director of COVID-19 Demand Modeling 2020 -
Los Angeles County Department of Health Services
Los Angeles, California

Attending Emergency Physician 2020 -
Department of Emergency Medicine
Harbor-UCLA Medical Center
Torrance, California

PREVIOUS POSITIONS:

Research Assistant 1980 - 1981
Department of Biological Sciences
Stanford University
Palo Alto, California

MD/PhD Candidate 1981 - 1987
Program in Biophysics and School of Medicine
Stanford University
Palo Alto, California

PREVIOUS POSITIONS (Continued):

Associate Director of Research Department of Emergency Medicine Harbor-UCLA Medical Center Torrance, California	1992 - 1994
Director of Research Department of Emergency Medicine Harbor-UCLA Medical Center Torrance, California	1994 - 2009
Senior Data and Safety Monitoring Advisor General Clinic Research Center Harbor-UCLA Medical Center, Torrance, California	2003 - 2010
Vice Chair for Academic Affairs Department of Emergency Medicine Harbor-UCLA Medical Center, Torrance, California	2009 - 2013
Project Director Electronic Health Record Implementation Los Angeles County Department of Health Services Los Angeles County, California	2010 - 2012
External Team Member/Special Government Employee FDA Entrepreneur-in-Residence Program Centers for Devices and Radiological Health (CDRH) Food and Drug Administration (FDA) Silver Spring, Maryland	2011 - 2013
Chair Department of Emergency Medicine Harbor-UCLA Medical Center Torrance, California	2013 - 2020
Vice Chair Department of Emergency Medicine David Geffen School of Medicine at UCLA Los Angeles, California	2016 - 2020
Interim Chief Medical Information Officer Los Angeles County Department of Health Services Los Angeles, California	2018

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COMMITTEE SERVICE:

National

Member 1991 - 1993
Subcommittee on Developing a Database for Emergency Medicine Research
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 1992 - 1995
Chairman 1995 - 1998, 2007 - 2008
Research Committee
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 1996 - 1997
Internet Task Force
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 1997 - 1998
Annual Meeting Task Force (SAEM)
Society for Academic Emergency Medicine
Lansing, Michigan

Member 1997 - 1998
Clinical Trials Center Task Force
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 1998 - 2004
Board of Directors
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 1999
Special Emphasis Panel
Translating Research into Practice (TRIP) I
Agency for Healthcare Policy and Research (AHCPR)
Rockville, Maryland

Member 2000
Special Emphasis Panel
Translating Research into Practice (TRIP) II
Agency for Healthcare Research and Quality (AHRQ)
Rockville, Maryland

Member 2000 - 2001
Steering Committee
Center for Innovation in Clinical Trials
MD Anderson Cancer Center
Houston, Texas

COMMITTEE SERVICE (Continued):

National (Continued)

Secretary-Treasurer	2000 - 2001
President-Elect	2001 - 2002
President	2002 - 2003
Past-President	2003 - 2004
Society for Academic Emergency Medicine (SAEM) Lansing, Michigan	
Grant Reviewer Grants Committee Society for Academic Emergency Medicine (SAEM) Lansing, Michigan	2001
Member Special Emphasis Panel Developmental Centers for Evaluation and Research in Patient Safety Agency for Healthcare Research and Quality (AHRQ) Rockville, Maryland	2001
Working Group Leader (with Susan Fuchs, MD) Head Injury Outcome Measures in Pediatric Emergency Medicine Research Ambulatory Pediatric Association (APA)/Agency for Healthcare Research and Quality (AHRQ) Conference on Improving Emergency Medical Services for Children (EMSC) Through Outcomes Research Reston, Virginia	2001
Guest Member Health Systems Research Study Section Agency for Healthcare Research and Quality (AHRQ) Rockville, Maryland	2001
Chairman	2001 - 2002
Member Nominating Committee Society for Academic Emergency Medicine (SAEM) Lansing, Michigan	2002 - 2004
Member Financial Development Committee Society for Academic Emergency Medicine (SAEM) Lansing, Michigan	2001 - 2002
Member Executive Committee Association of Academic Chairs of Emergency Medicine (AACEM) Lansing, Michigan	2002 - 2003
Research Methodology/Grant Review Consultant Scientific Review Committee Emergency Medicine Foundation Dallas, Texas	2002 - 2003

COMMITTEE SERVICE (Continued):

National (Continued)

Member 2003 - 2005
Healthcare Research Dissemination and Implementation (HRDI) Study Section
Agency for Healthcare Research and Quality (AHRQ)
Rockville, Maryland

Member 2004
NINDS Working Group on Emergency Neurologic Research Clinical Trials Network
National Institute for Neurological Diseases and Stroke (NINDS)
Bethesda, Maryland

Chair 2004 - 2005
NIH Roadmap Taskforce
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 2006 - 2007
IOM Task Force
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 2007 - 2009
Adaptive Clinical Trials Working Group
Pharmaceutical Manufacturers of America (PhRMA)
Washington, DC

Co-Chair 2007 - 2014
Member 2019 - 2020
ACEP-SAEM Joint Federal Funding Task Force (renamed Research Working Group)
Society for Academic Emergency Medicine (SAEM)
Lansing, Michigan

Member 2007 - 2017
Research Committee
American College of Emergency Physicians (ACEP)
Dallas, Texas

Member 2008
Special Emphasis Panel ZCE1 JXS 03
National Center for Injury Prevention and Control
Centers for Disease Control and Prevention (CDC)
Atlanta, Georgia

Member 2008 - 2009
Planning Committee: NIH Medical and Surgical Emergencies Roundtable
National Institutes of Health
Bethesda, Maryland

Member 2008 - 2009
Academic Affairs Committee
American College of Emergency Physicians (ACEP)
Dallas, Texas

COMMITTEE SERVICE (Continued):

National (Continued)

Member Board of Directors SAEM Research Foundation Society for Academic Emergency Medicine (SAEM) Lansing, Michigan	2008 - 2011
Chair NIH Special Emphasis Panel ZRG 1 HDM-J 50 National Institutes of Health Bethesda, Maryland	2009
Member NIH Special Emphasis Panel ZRG1 EPS-H 51 R National Institutes of Health Bethesda, Maryland	2009
Member Research Fellowship Credentialing Committee Society for Academic Emergency Medicine (SAEM) Des Plaines, Illinois	2010 - 2011
Awards Committee American College of Emergency Physicians Irving, Texas	2011
Co-Chair NHLBI Special Emphasis Panel ZHLI 1 CSR-J M2 1 National Institutes of Health Bethesda, Maryland	2011
Member Randomized Trials Working Group International Forum for Acute Care Trialists (InFACT) Toronto, Canada	2011 - 2012
Member Strategic Team, Entrepreneurs in Residence Program Innovation Pathway Program Center for Devices and Radiological Health (CDRH), Food and Drug Administration (FDA) Silver Spring, Maryland	2011 - 2013
Member Special Emphasis Panel HRSA 12-044 Health Resources and Services Administration Rockville, Maryland	2012
Member NIH/PCORI Special Emphasis Panel ZRG1 MOSS-C 70 R National Institutes of Health Bethesda, Maryland	2012

COMMITTEE SERVICE (Continued):

National (Continued)

Member 2012 - 2017
External Advisory Committee
University of Pennsylvania Clinical Research Training Program in Emergency Medicine
University of Pennsylvania
Philadelphia, Pennsylvania

Member 2012 - 2020
Board of Directors
Society for Clinical Trials
Philadelphia, Pennsylvania and Arlington Heights, Illinois

Member 2013 - 2016
Medicare Evidence Development & Coverage Advisory Committee (MEDCAC)
Centers for Medicare & Medicaid Services (CMS)
Baltimore, Maryland

Member 2014
External Review Committee for K12 Research Training Program
Department of Emergency Medicine
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Member 2015
NHLBI T32 Special Emphasis Panel
National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH)
Bethesda, Maryland

Member 2015 - 2016
Clinical Trials Transformation Initiative (CTTI) Project on Data Monitoring Committees
Clinical Trials Transformation Initiative (CTTI)
Duke University
Durham, North Carolina

Member 2016
External Review Committee
Department of Emergency Medicine
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Member 2017 -
Blood Products Advisory Committee
US Food and Drug Administration, Center for Biologics Evaluation and Research
Rockville, Maryland

Member 2019 -
Clinical Trials Transformation Initiative (CTTI) Project on Master Protocol Clinical Trials
Clinical Trials Transformation Initiative (CTTI)
Duke University
Durham, North Carolina

COMMITTEE SERVICE (Continued):

National (Continued)

Member 2020-2023
Fellowship Committee
Society for Clinical Trials
Arlington Heights, Illinois

Institutional

Member 1990 - 1993
Interdisciplinary Practice Committee
Harbor-UCLA Medical Center
Torrance, California

Member 1991 - 1992
Vice Chair 1992 - 1995
Human Subjects Committee
Harbor-UCLA Research and Education Institute
Torrance, California

Member 1993
Tuberculosis Task Force
Harbor-UCLA Medical Center
Torrance, California

Member 1994 - 1995
Fund Development Committee
Harbor-UCLA Research and Education Institute
Torrance, California

Member 1994 - 2000
Alternate Member 2001 - 2006
Vice Chair 2006 - 2011
Research Committee
Los Angeles Biomedical Research and Institute
Torrance, California

Member 1994 - 2001
Ethical Standards in Research Committee
Harbor-UCLA Research and Education Institute
Torrance, California

Member 1997 -
Finance Committee
Los Angeles Biomedical Research Institute
Torrance, California

Chair 1997 - 2001
Member 2001 - 2005
Computer Policy Committee
Harbor-UCLA Research and Education Institute
Torrance, California

Co-Chair 1999 - 2011
Health Care Information Committee
Harbor-UCLA Medical Center
Torrance, California

COMMITTEE SERVICE (Continued):

Institutional (Continued)

Member	2000, 2010
Co-Chair	2003
Nominating Committee Harbor-UCLA Research and Education Institute Torrance, California	
Chair	2001
CEO Search Committee Harbor-UCLA Research and Education Institute Torrance, California	
Member	2002
General Clinical Research Center Biostatistician Search Committee Harbor-UCLA Research and Education Institute Torrance, California	
Member	2002 - 2005
Audit Committee Los Angeles Biomedical Research Institute Torrance, California	
Secretary	2002 - 2005
Board of Directors Los Angeles Biomedical Research Institute Torrance, California	
Member	2004 - 2005
Compensation Committee Los Angeles Biomedical Research Institute Torrance, California	
Member	2006 - 2009
Legislative Assembly University of California, Los Angeles Los Angeles, California	
Member	2008 - 2016
Retirement Committee Los Angeles Biomedical Research Institute Torrance, California	
Member	2009 - 2010
EHR Clinical Advisory Group Los Angeles County Department of Health Services Los Angeles, California	
Member	2011 - 2015
UCLA CTSI at LA BioMed Harbor-UCLA Scientific Advisory Committee Los Angeles Biomedical Research Institute Torrance, California	

COMMITTEE SERVICE (Continued):

Institutional (Continued)

Chair Project ORCHID Oversight Committee Los Angeles County Department of Health Services Los Angeles, California	2012 - 2016
Member Medical Executive Committee Harbor-UCLA Medical Center Torrance, California	2013 -
Member Council of Clinical Chairs Harbor-UCLA Medical Center Torrance, California	2013 -
Chair Radiology Chair Search Committee Harbor-UCLA Medical Center Torrance, California	2015 - 2016
Chair Pathology Chair Search Committee Harbor-UCLA Medical Center Torrance, California	2016
Chair Health IT Vendor Relationship Management Committee Los Angeles County Department of Health Services Los Angeles, California	2016 - 2018
Member Clinical and Translational Science Institute Advisory Committee David Geffen School of Medicine at UCLA Los Angeles, California	2016 -
Member Research Oversight Board Los Angeles County Department of Health Services Los Angeles, California	2017 -
Chair Emergency Medicine Committee on Academic Promotion Department of Emergency Medicine David Geffen School of Medicine at UCLA Los Angeles, California	2017 - 2019
Member Executive Committee Department of Emergency Medicine David Geffen School of Medicine at UCLA Los Angeles, California	2017 -

COMMITTEE SERVICE (Continued):

Institutional (Continued)

Co-Chair 2017 - 2018
Service Improvement, Leadership, and Value Enhancement for Revenue (SILVER) Project
Los Angeles County Department of Health Services
Los Angeles, California

Member 2019 - 2020
Board of Directors
The Lundquist Institute for Biomedical Innovation
Torrance, California

Doctoral Committee Service

Member 1994 - 1996
Doctoral Committee
PhD Candidate: Deborah P. Henderson, RN
Thesis Title: "Continuing Education and Self-Efficacy of Paramedics in
Airway Management of Pediatric Patients"
Department of Education, University of Southern California
Los Angeles, California

Member 2006 - 2007
Doctoral Committee
PhD Candidate: Amy H. Kaji, MD, MPH
Thesis Title: "The Assessment of Hospital Disaster Preparedness in Los Angeles County"
Department of Epidemiology, UCLA School of Public Health
Los Angeles, California

Member 2006 - 2009
Doctoral Committee
PhD Candidate: Ari M. Lipsky, MD, MS
Thesis Title: "Bayesian Decision-Theoretic Clinical Trial Design"
Department of Epidemiology, UCLA School of Public Health
Los Angeles, California

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NON-COMMITTEE ACADEMIC SERVICE:

UCLA Medical Student Thesis Program Advisor

Advisee: Gordon K. Mak, Class of 1995

Thesis Title: Bayesian Decision-Theoretic Clinical Trial Design Using Gibb's Sampling:
A Comparison with a Classical Group Sequential Clinical Trial Design.

Advisee: Jennifer Krawczyk, Class of 1995

Thesis Title: Rapid Isolation of Pulmonary Tuberculosis.

Advisee: Steven LeDesma, Class of 1997

Thesis Title: Measuring the Community Standard Regarding Waiver of Informed Consent.

Advisee: Brian Lee, Class of 1998

Thesis Title: Rapid Isolation of Patients at Risk for Active Pulmonary Tuberculosis.

Advisee: Jason S. Haukoos, Class of 1998

Thesis Title: Emergency Department Triage of HIV-Infected Patients.

Advisee: Roger C. Wallace, Class of 1998

Thesis Title: Patient Referral for HIV Testing from the Emergency Department:
Indications and Implementation.

Advisee: Muna Abdi, Class of 1999

Thesis Title: Hierarchical Bayesian Analysis of Subgroups in Clinical Trials.

Advisee: Clinton Coil, Class of 2003

Thesis Title: Performance of an Emergency Department Referral System for HIV Testing.

Advisee: Joshua Hui, Class of 2005

Thesis Title: Prospective Validation of a Clinical Decision Rule for the Triage of Pediatric Patients
Involved as Passengers in Motor Vehicle Collisions.

UCLA Student Research Program Faculty

Advisee: Judy Orleste, 1998

Project: Data Collection for Clinical Study of Emergency Department Triage of HIV-Infected Patients.

Advisee: Veasna Ma, 1998

Project: Data Collection for Clinical Study of Emergency Department Triage of HIV-Infected Patients.

COMMUNITY SERVICE:

Paramedic Base Station Certificate	1988
American Heart Association Advanced Cardiac Life Support Instructor	1989 - 1992
Basic Trauma Life Support National Faculty, Southern California	1989 - 1999
Basic Trauma Life Support State Medical Director, California	1991 - 1995

COMMUNITY SERVICE (Continued):

Architectural Review Committee Rancho Palos Verdes Estates, California	2006 - 2007
Member Pandemic Influenza Committee Chadwick School Palos Verdes, California	2007 - 2008
Team Physician Chadwick School Palos Verdes Peninsula, California	2009 - 2016

PROFESSIONAL SOCIETIES:

American Association for the Advancement of Science	1983 - 2020
American College of Emergency Physicians	1987 -
American Statistical Association	1989 -
Society for Academic Emergency Medicine	1989 -
Biometric Society	1990 - 2012
Society for Clinical Trials	1990 -
International Society for Bayesian Analysis	1994 -
Association of Research Subject Advocates	2004 - 2008
Drug Information Association	2010 - 2015
Association of Academic Chairs in Emergency Medicine	2013 - 2020

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CONSULTING AND EDITORIAL ACTIVITIES:

Data Monitoring Committees and Related Activities

Chair Data Monitoring Committee "Traumatic Hemorrhagic Shock Diaspirin Cross-Linked Hemoglobin Efficacy Trial" Baxter Healthcare Corporation Deerfield, Illinois	1997 - 1998
Chair Data Monitoring Committee Protocol TAb0008-04: "A Randomized Placebo-Controlled Study of the Safety and Efficacy of TriTAb in the Treatment of Tricyclic Antidepressant Toxicity" [Study was never initiated] Protherics, Incorporated Nashville, Tennessee	1999 - 2000
Associate Data and Safety Monitoring Advisor Senior Data and Safety Monitoring Advisor General Clinical Research Center Advisory Committee Los Angeles Biomedical Research Institute Torrance, California	2001 - 2003 2003 - 2010
Chair Data and Safety Monitoring Board "A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Effects of Darbepoetin Alfa on Exercise Tolerance in Patients with Chronic Obstructive Pulmonary Disease (COPD)" [Study terminated soon after initiation] Amgen Pharmaceuticals Thousand Oaks, California	2003 - 2004
Chair Data and Safety Monitoring Board "PD2i Analysis of R-R Intervals in High-Risk ER Patients" Vicor Technologies, Inc. / NIH/NHLBI 1 R44 HL069563 Bangor, Pennsylvania	2003 - 2005
Chair Data and Safety Monitoring Board "Use of the Medtronic/TALENT (World Medical) Endoluminal Spring Stent-Graft System in Patients with Abdominal Aortic Aneurysms" Los Angeles Biomedical Research Institute Torrance, California	2004 - 2011
Chair Data and Safety Monitoring Board "A Randomized Clinical Trial to Prevent Recurrent CA-MRSA Infection" / 5 U01 CI000384 National Center for Infectious Diseases (NCID) Centers for Disease Control and Prevention (CDC) Atlanta, Georgia	2006 - 2009

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Data Monitoring Committees and Related Activities (Continued)

Chair Data and Safety Monitoring Board "Protocolized Care for Early Septic Shock (ProCESS)" / 5 P50 GM076659 National Institute of General Medical Sciences (NIGMS) Bethesda, Maryland	2006 - 2013
Chair Data and Safety Monitoring Board "The Deferasirox (Exjade)-AmBisome Therapy for Mucormycosis Study" Los Angeles Biomedical Research Institute Torrance, California	2007 - 2010
Chair Data Monitoring Committee "A Randomized, Open-Label, Efficacy and Safety Study of Octaplex and Fresh Frozen Plasma (FFP) in Patients Under Vitamin K Antagonist Therapy with The Need for Urgent Surgery or Invasive Procedures" Octapharma USA Hoboken, New Jersey	2007 - 2013
Chair Data Monitoring Committee "A Phase IIa Multicenter, Randomized, Double-blind, Placebo-and Active-controlled, Parallel-Group Study to Evaluate the Safety and Efficacy of K-134 for the Treatment of Intermittent Claudication" Kowa Research Institute Morrisville, North Carolina	2008 - 2010
Chair Data and Safety Monitoring Board New York Organ Donation Program New York, New York	2009 - 2011
Member Data and Safety Monitoring Board "Randomized Clinical Trial of Safety and Efficacy of Brain Tissue Oxygen Monitoring in the Management of Severe Traumatic Brain Injury" National Institute of Neurological Disorders and Stroke (NINDS) Bethesda, Maryland	2010 - 2012
Chair Data and Safety Monitoring Board "Fluid Therapy and Cerebral Injury in Pediatric Diabetic Ketoacidosis" / 5 R01 HD062417 Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD) Bethesda, Maryland	2010 - 2015
Member AppyScore Clinical Study Steering Committee AspenBio Pharma, Inc. Castle Rock, Colorado	2011 - 2012

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Data Monitoring Committees and Related Activities (Continued)

Chair Data and Safety Monitoring Board "Prospective, Open-Label, Multi-Center, Phase III Clinical Study to Investigate The Efficacy and Safety of Human Factor VWF/VIII Concentrate (Wilate®) in Subjects with Inherited Type 3 Von Willebrand Disease (VWD) Who Undergo Major Surgical Procedures" Octapharma AG Lachen, Switzerland	2011 - 2014
Chair Data and Safety Monitoring Board "L-Carnitine Treatment for Vasopressor Dependent Septic Shock" / 1 R01 GM103799 National Institute of General Medicine Sciences (NIGMS) Bethesda, Maryland	2012 - 2017
Consultant Data and Safety Monitoring Board "A Double-Blind, Placebo-Controlled, Randomized Clinical Trial of Allopregnanolone for the Treatment of Traumatic Brain Injury" University of California, Davis Medical Center Sacramento, California	2013 - 2014
Member Data and Safety Monitoring Board "Randomized Trial of Inhaled Nitric Oxide to Treat Acute Pulmonary Embolism" National Heart Lung and Blood Institute (NHLBI) Bethesda, Maryland	2013 - 2016
Chair Data and Safety Monitoring Board "Adaptive Randomized Trial of Early Management Interventions for Sepsis in Uganda (ARTEMIS-Uganda)" US Naval Medical Research Center Frederick, Maryland	2014
Chair Data and Safety Monitoring Board "Prospective, open-label, uncontrolled, Phase III study to assess the efficacy and safety of <i>Octafibrin</i> for on-demand treatment of acute bleeding and to prevent bleeding during and after surgery in subjects with congenital fibrinogen deficiency" Octapharma AG Lachen, Switzerland	2014 - 2016
Chair Data and Safety Monitoring Committee (DSMC) "A Randomized, Double-Blind, Placebo-Controlled, Single Ascending Dose Study to Assess the Safety, Tolerability, and Pharmacokinetics of C2N-8E12 in Subjects with Progressive Supranuclear Palsy" C2N Diagnostics St. Louis, Missouri	2015 - 2016

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Data Monitoring Committees and Related Activities (Continued)

Chair Independent Data Safety Monitoring Committee (IDSMC) FIBrinogen REplenishment in Surgery (FIBRES/FORMA-06) "Prospective, multi-center, randomized, active-control, non-inferiority study comparing fibrinogen concentrate with cryoprecipitate for the treatment of acquired hypofibrinogenemia in bleeding adult cardiac surgical patients" Toronto General Hospital/Octapharma AG Toronto, Canada	2016 - 2019
Chair Data Monitoring Committee "A Randomized, Double-Blind, Placebo-Controlled Multiple Dose Study to Assess Efficacy, Safety, Tolerability, and Pharmacokinetics of ABBV-8E12 in Progressive Supranuclear Palsy (M15-562)" AbbVie Chicago, Illinois	2016 - 2019
Member Data Monitoring Committee "DWI or CTP Assessment with Clinical Mismatch in the Triage of Wake-Up and Late Presenting Strokes Undergoing Neurointervention (DAWN)" Stryker Neurovascular Fremont, California	2016 - 2017
Chair Data Monitoring Committee "Prospective, Randomised, Controlled Phase 2 Pilot Study Investigating the Haemostatic Efficacy and Safety of Fibrinogen Concentrate (Octafibrin) and Cryoprecipitate as Fibrinogen Supplementation Sources in Patients Undergoing Cytoreductive Surgery for Pseudomyxoma Peritonei (FORMA-05)" Octapharma AG Lachen, Switzerland	2016 - 2019
Chair Independent Data Monitoring and Safety Committee "Factor Replacement in Surgery (FARES)" Toronto General Hospital/Octapharma AG Toronto, Ontario Canada	2019 - 2020
Member Data Monitoring Committee "REVIVE: Reducing Exsanguination Via In-Vivo Expandable Foam" Arsenal Medical, Inc. Watertown, Massachusetts	2019 -
Chair Independent Data Monitoring and Safety Committee "Factors in the Initial Resuscitation of Severe Trauma 2" Toronto General Hospital/Octapharma AG Toronto, Ontario Canada	2020 -
Chair Data and Safety Monitoring Board "PRACT: A Pragmatic Randomized Adaptive Clinical Trial to Investigate Controlling Alcohol-related Harms in a Low-income Setting: Emergency Department Brief Intervention in Tanzania" National Institutes of Health Bethesda, Maryland	2020 - 2025

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Data Monitoring Committees and Related Activities (Continued)

Chair 2020 -
Data Monitoring Committee
"Safety and Efficacy of Elezanumab in Acute Ischemic Stroke (M19-148)"
AbbVie
North Chicago, Illinois

Chair 2020 -
Data Monitoring Committee
"Safety and Efficacy of Elezanumab in Acute Traumatic Cervical Spinal Cord Injury (M16-077)"
AbbVie
North Chicago, Illinois

Chair 2020 -
Data and Safety Monitoring Board
Pragmatic Pediatric Trial of Balance vs Normal Saline Fluid in Sepsis
National Institute of Child Health and Human Development/National Institutes of Health
Bethesda, Maryland

Member 2020 -
Data Monitoring Committee
"Evaluation of Valproic Acid (VPA) as Adjunctive Therapy for Trauma Patients with Moderate to Severe Hemorrhage at Risk of Ischemia Reperfusion (I/R) Injury"
Department of Defense (DoD) Defense Health Agency (DHA)
Washington DC

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CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Editorial Activities

Consulting Reviewer	1990 - 2006
Statistical Editor	1995 - 2000
Statistics and Methodology Editor	2008 - 2010
<i>Annals of Emergency Medicine</i>	
Consulting Reviewer	1992 - 1993
<i>American Journal of Emergency Medicine</i>	
Consulting Reviewer	1994
<i>Biometrics</i>	
Consulting Reviewer	1994 - 2007
Statistical Reviewer	2007 -
Co-Section Editor, JAMA Guides to Statistics and Methodology	2015 -
<i>JAMA</i>	
Consulting and Statistical Reviewer	1994 - 2008
Series Editor, Advanced Statistics Series	1995 - 2006
Member, Editorial Board	1995 - 2008
Senior Statistical Editor	1998 - 2006
Senior Associate Editor	2006 - 2008
<i>Academic Emergency Medicine</i>	
Consulting Reviewer	1995 - 1996
<i>Journal of the Acquired Immune Deficiency Syndromes and Human Retrovirology</i>	
Consulting Reviewer	1997
<i>Controlled Clinical Trials</i>	
Consulting Reviewer	1998 - 2010
<i>Annals of Internal Medicine</i>	
Consulting Reviewer	1999
<i>Communications in Statistics</i>	
Consulting Reviewer	2000, 2008-2012, 2014
<i>Circulation</i>	
Consulting Reviewer	2004
<i>BMC Medical Research Methodology</i>	
Consulting Reviewer	2007
<i>Canadian Journal of Emergency Medicine</i>	
Consulting Reviewer	2009
<i>American Journal of Respiratory and Critical Care Medicine</i>	
Consulting Reviewer	2011
<i>Statistics in Medicine</i>	
Consulting Reviewer	2012
<i>Journal of the American Statistical Association</i>	

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Editorial Activities (Continued)

Consulting Reviewer <i>Pharmaceutical Statistics</i>	2013
Member, Editorial Board Clinical and Experimental Emergency Medicine	2014 -
Consulting Reviewer <i>BMC Medicine</i>	2017, 2018
Consulting Reviewer <i>JAMA Oncology</i>	2018
Consulting Reviewer <i>JAMA Neurology</i>	2018, 2020
Consulting Reviewer <i>New England Journal of Medicine</i>	2020
Consulting Reviewer <i>Journal of Clinical Epidemiology</i>	2020
Consulting Reviewer <i>Nature Communications</i>	2020
<i>National Academy of Medicine (NAM) Activities (formerly The Institute of Medicine)</i>	
External Reviewer Institute of Medicine (IOM) report: "Complementary and Alternative Medicine in the United States"	2004
Participant IOM Workshop: "The National Emergency Care Enterprise: Advancing Care Through Collaboration"	2009
External Reviewer IOM Report: "HIV Screening and Access to Care: Exploring the Impact of Policies on Access to and Provision of HIV Care"	2010
External Reviewer IOM Report: "HIV Screening and Access to Care: Facilitators and Barriers to Expanded HIV Testing"	2010
External Reviewer IOM Report: "Rare Diseases and Orphan Products: Accelerating Research and Development"	2010
External Reviewer IOM Report: "Ethical Issues in Studying the Safety of Approved Drugs: A Letter Report"	2010
External Reviewer IOM Report: "Prepositioning Antibiotics for Anthrax"	2011
External Reviewer IOM Report: "HIV Screening and Access to Care: Health Care System Capacity for Increased HIV Testing and Provision of Care"	2011

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

National Academy of Medicine (NAM) Activities (Continued)

Member Committee on the Treatment of Cardiac Arrest: Current Status and Future Directions	2014 - 2016
Workshop Participant and Proceedings Reviewer National Academies of Sciences, Engineering, and Medicine Workshop on Developing Multimodal Therapies for Brain Disorders	2016
Member Committee on Clinical Trials During the 2014-2015 Ebola Outbreak	2016 - 2017
External Reviewer NAM Report: Preventing Dementia and Cognitive Impairment: A Way Forward	2017
Member Committee on Veterans' Administration Examinations for Traumatic Brain Injury	2018
Member Committee on the Development of a Protocol to Evaluate the Concomitant Prescribing of Opioid and Benzodiazepine Medications and Veterans Deaths and Suicides	2018 - 2019
External Reviewer NAM Report: A framework for Assessing Mortality and Morbidity After Large-Scale Disasters	2020

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CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Consulting and Related Activities

Consultant California Board of Medical Quality Assurance	1990 - 1994
Abstract Reviewer Society for Academic Emergency Medicine Annual Meeting	1996 - 2008
Consultant, Waiver of Informed Consent TheraCardia, Inc. "Feasibility Study Involving the TheraCardia Minimally Invasive Direct Cardiac Massage (MID-CM) Device (CPT005)"	2001
Member Emergency Medicine Advisory Group SCIOS, Inc. Sunnyvale, California	2001
Member MPS VI Expert Advisory Panel BioMarin Pharmaceuticals Novato, California	2003 - 2005
Reviewer, Book Proposals <i>Springer Series in Statistics</i>	2004 - 2005
Consultant TAP Pharmaceuticals, Inc. Lake Forest, Illinois	2004 - 2006
External Referee/Grant Reviewer Canadian Institutes of Health Research (CIHR) Ottawa, Ontario Canada	2005 - 2006
Member NXY-059 Ischemic Stroke Regulatory Advisory Board AstraZeneca Wilmington, Delaware	2006
Consultant Indigo Orb, Incorporated	2006 - 2009
Abstract Reviewer International Conference on Emergency Medicine (ICEM)	2007
Consultant Wyeth Research	2007 - 2009
Consultant Octapharma USA	2007 - 2013

CONSULTING AND EDITORIAL ACTIVITIES (Continued):

Consulting and Related Activities (Continued)

Consultant AspenBio Pharma, Inc. [Renamed Venaxis, Inc.]	2010 - 2013
External Referee/Grant Reviewer Michael Smith Foundation for Health Research Vancouver, British Columbia Canada	2011
Consultant Applied Proteomics, Incorporated San Diego, California	2012 - 2013
External Expert, Scientific Evaluation Committee Institut National du Cancer (France) Boulogne-Billancourt, France	2013
External Grant Reviewer Medical Research Council (MRC) United Kingdom London, England	2018

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SPECIALIZED CERTIFICATIONS:

Physician's Course in Undersea and Hyperbaric Medicine 1989
National Oceanographic and Atmospheric Administration
Undersea and Hyperbaric Medical Society
Seattle, Washington

Level I and Level II Certification in Emergency Department Ultrasound 2000
Department of Emergency Medicine
Harbor-UCLA Medical Center
Torrance, California

HONORS AND SPECIAL AWARDS:

Phi Beta Kappa 1981
Stanford University

Sigma Xi 1981
Stanford University

Rebecca L. Carrington Award [For undergraduate scholarship,
service, and teaching in the Department of Physics] 1981
Stanford University

Fellow 1993
American College of Emergency Physicians (ACEP)

Weitzman Award for Biomedical Research 1999
Harbor-UCLA Medical Center

Letter of Recognition for Outstanding Peer Review 1999, 2004 - 2007
Annals of Internal Medicine

Top Consultant 2002-2003 2004
[For peer review; one of fifty chosen]
Annals of Emergency Medicine

Hal Jayne Academic Excellence Award 2005
Society for Academic Emergency Medicine (SAEM)

Member 2009 -
National Academy of Medicine (Formerly the Institute of Medicine of the National Academies)

Special Contribution Award 2009
Society for Academic Emergency Medicine (SAEM)

Award for Outstanding Contributions in Research 2010
American College of Emergency Physicians (ACEP)

Thomas W. Teal Award for Excellence in Statistics Publishing 2010
Drug Information Association

Fellow 2014
Society for Clinical Trials
Philadelphia, Pennsylvania

HONORS AND SPECIAL AWARDS (Continued):

Fellow 2018
American Statistical Association
John Marx Leadership Award 2019
Society for Academic Emergency Medicine (SAEM)

RESEARCH GRANTS RECEIVED:

Principal Investigator 1990 - 1991
Emergency Medicine Foundation (EMF) and the Society for
Academic Emergency Medicine (SAEM)
"Sequential Bayesian Analysis of Clinical Trials"
Total Direct Costs: \$1060

Coinvestigator 1993 - 1994
Principal Investigator: Mallory D. Witt, MD
American Federation for AIDS Research (AmFAR)
"Antifungal Susceptibility in Cryptococcal Meningitis"
Total Direct Costs: \$36,900

Principal Investigator 1993 - 1995
Emergency Medicine Foundation (EMF)
"Career Development Award: (1) A Prospective Double-Blind Multicenter Clinical Trial of Phenytoin for the
Prophylaxis of Early Post-Traumatic Seizures in Children: Efficacy and Neurologic Outcome; and (2) Optimal
Clinical Trial Designs Based on Bayesian Decision Theory"
Total Direct Costs: \$24,300

Coinvestigator 1993 - 1995
Principal Investigator: Marianne Gausche, MD
Los Angeles County EMS Agency (Subcontract)
"A Prospective Randomized Study of the Effect of Prehospital Pediatric Intubation on Outcome"
Total Direct Costs: \$200,003

Coinvestigator 1993 - 1995
Principal Investigator: Marianne Gausche, MD
Maternal and Child Health Bureau (MCHB)
"A Prospective Randomized Study of the Effect of Prehospital Pediatric Intubation on Outcome"
Total Direct Costs: \$254,910

Coinvestigator 1994 - 1995
Principal Investigator: Mallory D. Witt, MD
University of California Universitywide AIDS Research Program (UARP)
"Fluconazole Susceptibility in Cryptococcal Meningitis"
Total Direct Costs: \$54,850

Co-Sponsor (with Robert A. Wiebe, MD) 1994 - 1996
Fellowship Applicant: Pamela J. Okada, MD
National Research Service Award/Agency for Health Care Policy and Research (AHCPR)
"Assessing Neurologic Outcome in Acutely Injured Children" / 1 F32 HS00091
Total Direct Costs: \$63,700

Coinvestigator 1995 - 1996
Principal Investigator: Marianne Gausche, MD
North Coast EMS Agency (Subcontract)
"A Prospective Comparison of Rural and Urban Trauma Patient Care"
Total Direct Costs: \$58,131

RESEARCH GRANTS RECEIVED (Continued):

Principal Investigator University of California Los Angeles AIDS Seed Grant Program "Emergency Department Triage of Ambulatory HIV-Infected Patients" Total Direct Costs: \$16,835 <i>Note: These funds were returned to the funding agency because of overlap with the grant entitled "Emergency Department Triage of HIV-Infected Patients" listed above.</i>	1995 - 1996
Principal Investigator University of California Universitywide AIDS Research Program (UARP) "Emergency Department Triage of HIV-Infected Patients" Total Direct Costs: \$70,052	1995 - 1997
Coinvestigator Principal Investigator: Marianne Gausche, MD Agency for Health Care Policy and Research (AHCPR) / 1 R01 HS09065 "Prehospital Pediatric Intubation and Patient Outcome" Total Direct Costs: \$337,929	1995 - 1997
Coinvestigator Principal Investigator: Marianne Gausche, MD Los Angeles EMS Agency (Subcontract) "Prospective Randomized Study of the Effect of Prehospital Pediatric Endotracheal Intubation on Outcome" Total Direct Costs: \$142,882	1995 - 1998
Coinvestigator Principal Investigator: Marianne Gausche, MD Agency for Health Care Policy and Research (AHCPR) "Prehospital Pediatric Intubation and Patient Outcome" (Supplemental Grant) / 3 R01 HS09065 Total Direct Costs: \$56,271	1996 - 1997
Principal Investigator Harbor-UCLA Clinical Study Site Parke-Davis Pharmaceuticals "Cost Analysis of the Routine Use of Parenteral IM Fosphenytoin Versus IV Fosphenytoin in the Management of Seizures within the Hospital Setting" Total Direct Costs: \$65,704	1996 - 1997
Chairman, Data Monitoring Committee Baxter Healthcare Corporation (Contract) "Traumatic Hemorrhagic Shock Diaspirin Cross-Linked Hemoglobin Efficacy Trial" Total Direct Costs: \$62,362	1997 - 1998
Coinvestigator Principal Investigator: Christian M. De Virgilio, MD American Heart Association - Greater Los Angeles Affiliate "Dipyridamole - Thallium/Sestamibi Prior to Vascular Surgery: A Prospective Blinded Study" Total Direct Costs: \$57,430	1997 - 1999
Coinvestigator Principal Investigator: Kelly D. Young, MD ViroPharma, Inc. (Contract) "A Multicenter, Double-blind, Placebo Controlled Trial of Pleconaril in the Treatment of Enteroviral Meningitis in Children and Adolescents" Total Direct Costs: \$37,840	1998 - 2000

RESEARCH GRANTS RECEIVED (Continued):

Coinvestigator Principal Investigator: Kelly D. Young, MD ViroPharma, Inc. (Contract) "A Multicenter, Double-blind, Placebo Controlled Trial of Pleconaril in the Treatment of Enteroviral Meningitis in Adolescents and Adults" Total Direct Costs: \$75,686	1998 - 2000
Chairman, Data Monitoring Committee Protherics, Inc. (Contract) "A Randomized Placebo-Controlled Study of the Safety and Efficacy of TriTAB in the Treatment of Tricyclic Antidepressant Toxicity" Total Direct costs: \$5,212	1999 - 2000
Principal Investigator Harbor-UCLA Clinical Study Site SYNSORB Biotech, Inc. (Contract) "SYNSORB Pk for the Prevention of HUS in Children" Total Direct Costs: \$35,481	1999 - 2001
Coinvestigator Principal Investigator: Samuel J. Stratton, MD, MPH County of Los Angeles EMS Agency (Subcontract) "Prehospital Infant Assessment Project: An Outcome Study of Field Criteria for the Assessment of Infants" Total Direct Costs: \$99,563	2000 - 2001
Fellowship Director Fellowship Applicant: Craig D. Newgard, MD Emergency Medicine Foundation (EMF) "Validation of a Clinical Decision Rule for the Triage of Pediatric Patients in MVAs" Total Direct Costs: \$35,000 <i>Note: These funds were not accepted because duplicate funds were received from another extramural source.</i>	2000 - 2001
Fellowship Director Fellowship Applicant: Craig D. Newgard, MD Society for Academic Emergency Medicine (SAEM) "Validation of an EMS Triage Rule for Children in MVAs" Total Direct Costs: \$50,712	2000 - 2002
Sponsor/Fellowship Director Fellowship Applicant: Craig D. Newgard, MD National Research Service Award/Agency for Healthcare Research and Quality (AHRQ) "Validation of an EMS Triage Rule for Children in MVAs" / 1 F32 HS00148 Total Direct Costs: \$81,987	2000 - 2002
Mentor Award Recipient: Kelly D. Young, MD National Center for Research Resources (NCRR) "Mentored Patient-Oriented Research Career Development Award" / 5 K23 RR16180 Total Direct Costs: \$618,901	2000 - 2005

RESEARCH GRANTS RECEIVED (Continued):

Consultant, Waiver of Informed Consent TheraCardia, Inc. (Contract) "Feasibility Study Involving the TheraCardia Minimally Invasive Direct Cardiac Massage (MID-CM) Device (CPT005)" Total Direct Costs: \$788	2001
Fellowship Director Fellowship Applicant: Jason S. Haukoos, MD Society for Academic Emergency Medicine (SAEM) "Effect of Incentives on Compliance with HIV Testing Referrals from the Emergency Department: An Application of the Health Belief Model" Total Direct Costs: \$50,000	2001 - 2002
Sponsor/Fellowship Director Fellowship Applicant: Jason S. Haukoos, MD National Research Service Award/Agency for Healthcare Research and Quality (AHRQ) "Enhancing Compliance with HIV Testing from the ED" / 1 F32 HS11509 Total Direct Costs: \$97,456	2001 - 2003
Coinvestigator Principal Investigator: James T. Niemann, MD Emergency Medicine Foundation (EMF) "Postresuscitation Cardiac Dysfunction: Role of TNF and the Effect of PDE III Inhibitors" Total Direct Costs: \$100,000	2001 - 2003
Consultant Principal Investigator: George L. Foltin, MD Maternal and Child Health Bureau (MCHB) "Pediatric PHASE (PreHospital Arrest Survival Evaluation)" / 1 R40 MC00262 Total Direct Costs: \$663,749 Consultant Cost: \$1,700	2001 - 2004
Coinvestigator Principal Investigator: Marianne Gausche-Hill, MD American Academy of Pediatrics (AAP) (Subcontract) "Pediatrics Collaborative Care (PedsCare) Program" Total Direct Costs: \$487,292	2001 - 2005
Data and Safety Monitoring Advisor Principal Investigator: Gail V. Anderson, Jr MD National Center for Research Resources (NCRR) "General Clinical Research Center" / 2 M01 RR00425 Annual Total Direct Costs to Advisor only (2004-2005): \$67,706	2001 - 2006
Coinvestigator Principal Investigator: Craig D. Newgard, MD, MPH Southern California Injury Prevention Center "Validation of a Triage Rule for Children Involved in Motor Vehicle Collisions" Total Direct Costs: \$15,000	2002 - 2003
Coinvestigator Principal Investigator: Joan Arsanow, PhD Centers for Disease Control and Prevention Family Intervention for Suicidal Youth: Emergency Care Total Direct Costs: \$51,173 [Subcontract to Los Angeles Biomedical Research Institute from UCLA]	2002 - 2005

RESEARCH GRANTS RECEIVED (Continued):

Preceptor/Mentor Fellowship Applicant: Amy Kaji, MD Emergency Medicine Foundation (EMF) "Hospital Disaster Plans: Structure, Training, & Function" Total Direct Costs: \$9,805	2003 - 2004
Sponsor/Fellowship Director Fellowship Applicant: Amy Kaji, MD National Research Service Award/Agency for Healthcare Research and Quality (AHRQ) "Hospital Disaster Plans: Structure, Training, & Function" / 1 F32 HS013985 Total Direct Costs: \$57,954	2003 - 2004
Coinvestigator Principal Investigator: Gunter K. Rieg, MD Universitywide AIDS Research Program (UARP) "Screening for Asymptomatic STDs in HIV-Infected Men" Total Direct Costs: \$99,587	2003 - 2005
Consultant BioMarin Pharmaceuticals, Inc. (Contract) "BioMarin Clinical Trial Design Expert Panel" Total Direct Costs: \$6,630	2003 - 2005
Chairman, Data Safety Monitoring Board Vicor Technologies, Inc. (Contract) "PD2: Analysis of R-R Intervals in High-Risk ER Patients" Total Direct Costs: \$3,000	2003 - 2005
Coinvestigator Principal Investigator: James Menegazzi, PhD Principal Investigator (Subcontract) James T. Niemann, MD National Heart Lung and Blood Institute (NHLBI) "Derivation of Innovative Treatments for Cardiac Death" / 1 R21 HL077425 Total Direct Costs: \$239,535 [Parent Grant] Total Direct Costs of Subcontract to Los Angeles Biomedical Research Institute: \$45,792	2004 - 2006
Preceptor/Mentor Fellowship Applicant: Ari M. Lipsky, MD Emergency Medicine Foundation (EMF) "Multicenter Bayesian Decision-Theoretic Clinical Trials" Total Direct Costs: \$75,000	2005 - 2006
Preceptor/Mentor Fellowship Applicant: Michelle A. Charfen, MD Society for Academic Emergency Medicine (SAEM) "High Yield Predictors of Diabetes in ED Patients" Total Direct Costs: \$150,000	2005 - 2007
Coinvestigator Principal Investigator: Michelle A. Charfen, MD CReFF Award/General Clinical Research Center Harbor-UCLA "High Yield Predictors of Diabetes in ED Patients" / 2 M01 RR0425" Total Direct Costs: \$20,000	2005 - 2007

RESEARCH GRANTS RECEIVED (Continued):

Coinvestigator
Principal Investigator (Parent Grant): Thomas E. Lach 2005 - 2007
Principal Investigator (Subcontract): James T. Niemann, MD
National Heart Lung and Blood Institute (NHLBI)
"Life Belt CPR: Sternal Compression and Thoracic Constraint" / 2 R42 HL071378
Total Direct Costs (Parent Grant): \$1,310,505
Total Direct Costs (Subcontract): \$283,809

Coinvestigator 2005 - 2009
Principal Investigator: James T. Niemann, MD
National Heart Lung and Blood Institute (NHLBI)
"Ischemic Arrest, Cytokines, and Organ Dysfunction" / 1 R01 HL076671
Total Direct Costs: \$1,000,000

Coinvestigator
Principal Investigator: Ari M. Lipsky, MD, MS 2006 - 2007
CReFF Award/General Clinical Research Center Harbor-UCLA
"Innovative and Optimal Translational Clinical Trial Design" / 2 M01 RR00425
Total Direct Costs: \$20,000

Chair, Data and Safety Monitoring Board 2006 - 2009
Principal Investigator: Loren G. Miller, MD
National Center for Infectious Diseases (NCID)
"A Randomized Trial to Prevent Recurrent CA-MRSA Infection" / 5U01CI000384
Total Direct Costs: \$1,155,385

Data and Safety Monitoring Advisor 2006 - 2011
Principal Investigator: Gail V. Anderson, Jr MD
National Center for Research Resources (NCRR)
"General Clinical Research Center" / 2 M01 RR00425
Total Direct Costs: \$56,091,877
Annual Total Direct Costs to Advisor only (2006-2007): \$71,860

Consultant
Principal Investigator: William G. Barsan, MD 2006 - 2011
National Institutes Neurologic Disease and Stroke (NINDS)
"Neurological Emergencies Treatment Trials Network: Clinical Coordinating Center" / 5 U01 NS056975
Total Direct Costs: \$21,367,808

Chair, Data and Safety Monitoring Board 2006 - 2014
Principal Investigator: Derek C. Angus, MD
National Institute of General Medical Sciences (NIGMS)
"Protocolized Care for Early Septic Shock (ProCESS)" / 5P50GM076659
Total Direct Costs: \$445,363

Consultant
Indigo Orb, Incorporated (Contract) 2007 - 2009
"EpiSure Clinical Trial Design"
Total Direct Costs: \$11,674

Sponsor/Fellowship Director
Fellowship Applicant: Ari M. Lipsky, MD, MS 2007 - 2009
National Research Service Award/National Center for Research Resources (NCRR)
"Multicenter Bayesian Decision-Theoretic Clinical Trials" / 1 F32 RR022167
Total Direct Costs: \$125,450

RESEARCH GRANTS RECEIVED (Continued):

Consultant
Wyeth Research (Contract) 2007 - 2009
"MOA-728"
Total Direct Costs: \$45,435

Consultant
Wyeth Research (Contract) 2007 - 2009
"Sepsis and Inflammation"
Total Direct Costs: \$1,225

Coinvestigator
Principal Investigator: Marianne Gausche-Hill, MD 2007 - 2010
Department of Health & Human Services/Maternal and Child Health Bureau
"Evaluation of the Pediatric Assessment Triangle (PAT) as an Assessment Tool for
Children in the Prehospital Setting" / H34MC08510
Total Direct Costs: \$436,807

Consultant
Principal Investigator: Lynn D. Richardson, MD 2007 - 2012
National Heart Lung and Blood Institute (NHLBI)
"Community Voices 2: Community Views on Informed Consent in Emergency Situations" /
2 R01 HL073387
Total Direct Costs: \$1,250,000

Consultant
Octapharma USA (Contract) 2007 - 2014
"Design and Monitoring of LEX-205 Trial"
Total Direct Costs: \$94,894

Chair, Data Monitoring Committee 2008 - 2011
Kowa Research Incorporated (Contract)
"A Phase IIa Multicenter, Randomized, Double-blind, Placebo- and Active-controlled,
Parallel-Group Study to Evaluate the Safety and Efficacy of K-134 for the Treatment
of Intermittent Claudication"
Total Direct Costs: \$31,400

Consultant 2009 - 2014
Venaxis, Inc. (Formerly AspenBioPharma)
"Consultant: AppyScore™ Test"
Total Direct Cost: \$54,226 (to March 2014)

Site Principal Investigator 2009 - 2012
AspenBio Pharma (Contract)
"Use of the AppyScore™ Test as an Adjunctive Tool in the Evaluation of Acute Appendicitis"
Total Direct Costs: \$83,884

Preceptor/Mentor 2010 - 2011
Fellowship Applicant: Heemun Kwok, MD
Emergency Medicine Foundation
"Efficient Clinical Trial Designs for Acute, Undifferentiated Stroke Syndromes"
Total Direct Costs: \$75,000

Principal Investigator (Multiple PI grant) 2010 - 2014
Other Principal Investigators: William G. Barsan, MD and Donald A. Berry, PhD
National Institute of Neurological Disorders and Stroke (NINDS)
"Accelerating Drug and Device Evaluation through Innovative Clinical Trial Design" / 1 U01NS073476
Total Direct Costs: \$1,451,534

RESEARCH GRANTS RECEIVED (Continued):

Chair, Data and Safety Monitoring Board Principal Investigators: Nathan Kupperman, MD, MPH and Nicole S. Glaser, MD Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD) "Fluid Therapy and Cerebral Injury in Pediatric Diabetic Ketoacidosis" / 5R01HD062417 Total Direct Costs: \$610,860 (FY2011)	2010 - 2015
Co-Leader, Biostatistics and Study Design Principal Investigator: Steven M. Dubinett, MD National Center for Research Resources (NCRR) "UCLA Clinical and Translational Science Institute" / 1UL1RR033176 Total Costs: \$15,457,370 (FY2011) Annual Total Direct Costs to Dr. Lewis: \$24,588	2011 - 2016
Chair, Data and Safety Monitoring Board Principal Investigator: Alan E. Jones, MD National Institute of General Medical Sciences "L-Carnitine Treatment for Vasopressor Dependent Septic Shock" / 1 R01 GM103799 Total Direct Costs \$401,111 (FY2012)	2012 - 2017
Principal Investigator (Multiple PI grant) Other Principal Investigators: Christopher S. Coffey, PhD, Laurie Gutmann, MD and William J. Meurer, MD, MS National Institute of Neurological Disorders and Stroke (NINDS) "Enhancing Scientific Inquiry in Clinical Neurosciences Through Methodology Training" / 1R25NS088248 Total Direct Costs: \$438,258	2014 - 2020
Principal Investigator County of Los Angeles, Health Services Administration "Conducting analysis of Los Angeles County Emergency Medical Systems including Trauma, STEMI, Receiving Centers, Acute Stroke Centers, and Emergency Departments Approved for Pediatrics in order to improve patient care and outcomes" / HS 16322855 Total Direct Costs: \$75,000	2016
Principal Investigator (Multiple PI grant) Other Principal Investigators: Jeffrey Saver, MD, Sidney Starkman, MD, Marianne Gausche-Hill, MD National Institutes of Health/National Institute Neurological Disorders and Stroke "Southern California Network Clinical Center (Hub) for SIREN Emergency Care Clinical Trials" / 1U24NS100685 Total Direct Costs: \$41,902 (Subcontract)	2017 - 2018
Co-Project Director (with Scott M. Berry, PhD) National Institutes of Health/National Heart Lung and Blood Institute Contract to Berry Consultants, LLC "Innovative Clinical Trial Resource" / HHSN268201800008I Total Direct Costs: \$1,394,721 to March 2020	2018 - 2020
Principal Investigator (Multiple PI grant) Other Principal Investigators: Christopher S. Coffey, PhD, Laurie Gutmann, MD and William J. Meurer, MD, MS University of Iowa (Subcontract) "Enhancing Scientific Inquiry in Clinical Neurosciences Through Methodology Training" Total Direct Costs: Pending	2020 -

RESEARCH GRANTS PENDING:

None

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INVITED LECTURES:

"Selected Topics in the Statistical Design and Analysis of Research Studies" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1991
"Selected Topics in the Statistical Design and Analysis of Research Studies" Emergency Medical Services for Children Projects Meeting Bethesda, Maryland	1992
"Clinical Trial Designs That Reduce the Required Sample Size" Society for Academic Emergency Medicine, Annual Meeting Toronto, Canada	1992
"The Use of Interim Data Analyses in Clinical Trials" Emergency Medical Services for Children Projects Meeting Bethesda, Maryland	1993
"Pelvic Fractures: Pitfalls in Diagnosis and Management" Emergency Medicine 1993/Symposia Medicus Puerto Vallarta, Mexico	1993
"Management of Septic Shock: Pitfalls and New Horizons" Emergency Medicine 1993/Symposia Medicus Puerto Vallarta, Mexico	1993
"An Introduction to Meta-Analysis" Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	1993
"Research Methodology" Emergency Medical Services for Children Projects Meeting Washington, DC	1993
"Advanced Statistical Methods in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1994
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1994
"Research Methodology" Emergency Medical Services for Children Projects Meeting Washington, DC	1995
"Multiple Comparisons" Society for Academic Emergency Medicine, Annual Meeting San Antonio, Texas	1995
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting San Antonio, Texas	1995

INVITED LECTURES (Continued):

"Designing Clinical Research" American College of Emergency Physicians, Scientific Assembly Washington, DC	1995
"An Introduction to Statistical Methods Used in Prehospital Research" Association of Air Medical Services, Annual Meeting Long Beach, California	1995
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Denver, Colorado	1996
"An Introduction to Statistical Software" Society for Academic Emergency Medicine, Annual Meeting Denver, Colorado	1996
"Designing Clinical Research" American College of Emergency Physicians, Scientific Assembly New Orleans, Louisiana	1996
"Designing Clinical Research" Department of Emergency Medicine, Dallas Children's Hospital Dallas, Texas	1996
"Career Development: Defining and Meeting Your Academic Needs" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1997
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1997
"An Introduction to the Determination and Interpretation of Confidence Intervals" Society for Academic Emergency Medicine, Annual Meeting Washington, DC	1997
"A Bayesian Approach to the Analysis of a Randomized Prehospital Clinical Trial: Interim and Subgroup Analyses" Institute for Mathematics and Its Applications University of Minnesota Minneapolis, Minnesota	1997
"The Data Monitoring Committee and Exception From Informed Consent" FDA Meeting on Waiver of Informed Consent in Emergency Research Washington, DC	1997
"Designing Clinical Research" American College of Emergency Physicians, Scientific Assembly San Francisco, California	1997
"Surviving the Flood: Critical Appraisal of the Literature" [Panel Discussion] American College of Emergency Physicians, Scientific Assembly San Francisco, California	1997

INVITED LECTURES (Continued):

"An Introduction to the Statistical Tests Used in Emergency Medicine Research" Society for Academic Emergency Medicine Western Regional Meeting Steamboat Springs, Colorado	1998
"Randomized Clinical Trials: Design and Implementation" Pediatric Emergency Medicine Fellow's Conference Washington, DC	1998
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Chicago, Illinois	1998
"Power Analysis and Sample Size Determination: Concepts and Software Tools" Society for Academic Emergency Medicine, Annual Meeting Chicago, Illinois	1998
"Designing Clinical Research" American College of Emergency Physicians, Scientific Assembly San Diego, California	1998
"Should This Article Change the Way You Practice?" American College of Emergency Physicians, Scientific Assembly San Diego, California	1998
"Research with Persons who are Unable to Consent for Themselves" PRIM&R (Public Responsibility in Medicine and Research) Annual Meeting San Diego, California	1998
"Data Safety Monitoring Boards: The Hows, Whats and Whys" PRIM&R (Public Responsibility in Medicine and Research) Annual Meeting San Diego, California	1998
"Statistical Methodology for Emergency Medicine Research" Society for Academic Emergency Medicine Western Regional Meeting Redondo Beach, California	1999
"Field Research" [With Marianne Gausche, M.D.] Pediatric Emergency Medicine Fellow's Conference Los Angeles, California	1999
"The Practicalities of Data Monitoring Committees for Major Clinical Trials: Some Dos and Don'ts and Why" [With Marian Fisher and Stuart Pocock] Society for Clinical Trials, Annual Meeting Anaheim, California	1999
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting Boston, Massachusetts	1999

INVITED LECTURES (Continued):

"Reliability and Validity" Society for Academic Emergency Medicine, Annual Meeting Boston, Massachusetts	1999
"Research Methodology" [With Marianne Gausche, M.D.] National Congress on Childhood Emergencies Baltimore, Maryland	2000
"Myths in Emergency Medicine Research" Society for Academic Emergency Medicine, New England Regional Meeting Amherst, Massachusetts	2000
"An Introduction to Statistical Methods Used in Emergency Medicine Research" Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	2000
"Power Analysis and Sample Size Determination: Concepts and Software Tools" Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	2000
"An Introduction to Classification and Regression Tree (CART) Analysis" Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	2000
"Overseeing Clinical Trials: The Role and Function of Data Monitoring Committees" Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	2000
"Waiver of Informed Consent: Practical Applications and Challenges" [Panel] Society for Academic Emergency Medicine, Annual Meeting San Francisco, California	2000
"Statistics: How to Make it Stick" Society for Academic Emergency Medicine, Western Regional Meeting Newport Beach, California	2001
"Introduction to Bayesian Statistics" Pediatric Emergency Medicine Fellow's Conference Los Angeles, California	2001
"Questions to be Asked Regarding Outcome Measures" APA/AHRQ Conference on Improving Emergency Medical Services for Children through Outcomes Research Reston, Virginia	2001
"Introduction to Statistics" Society for Academic Emergency Medicine, Annual Meeting Atlanta, Georgia	2001
"The Analysis of 2 × 2 Tables: Odds, Likelihood, and Other Useful and Confusing Terms" Society for Academic Emergency Medicine, Annual Meeting Atlanta, Georgia	2001

INVITED LECTURES (Continued):

"Lunch with Experts" [Panel Member] Society for Academic Emergency Medicine, Annual Meeting Atlanta, Georgia	2001
"An Introduction to Classification and Regression Tree Analysis" 3 rd National Congress on Childhood Emergencies Dallas, Texas	2002
"Myths in Emergency Medicine Research" [Research Day Keynote Address] Department of Emergency Medicine Indiana University School of Medicine Indianapolis, Indiana	2002
"Introduction to Statistics" Society for Academic Emergency Medicine, Annual Meeting St. Louis, Missouri	2002
"Introduction to Bayesian Statistics" Society for Academic Emergency Medicine, Annual Meeting St. Louis, Missouri	2002
"Funding of Emergency Medicine Research" [President's Address] Society for Academic Emergency Medicine, Annual Meeting St. Louis, Missouri	2002
"First Annual Rudberg Visiting Professorship: Fundamentals of Clinical Research" Children's Medical Center of Dallas Dallas, Texas Overview of Clinical Research Methodology Introduction to Statistical Analysis Mechanics and Pitfalls in Research Implementation Power Analysis and Sample Size Determination Reliability and Validity The Intention to Treat Principle Data Safety Monitoring and Interim Data Analysis	2002
"Determining if Data and Safety Monitoring Committee Reports Should be Blinded" Barnett International Philadelphia, Pennsylvania	2002
"Selecting Outcome Measures for Research" Pediatric Academic Societies, Annual Meeting Seattle, Washington	2003
"Introduction to Statistics" Society for Academic Emergency Medicine, Annual Meeting Boston, Massachusetts	2003
"Academic Emergency Medicine and the Tragedy of the Commons" [President's Address] Society for Academic Emergency Medicine, Annual Meeting Boston, Massachusetts	2003

INVITED LECTURES (Continued):

"Ethics and Human Subjects Issues in Research: Data and Safety Monitoring in Clinical Studies" Second Mediterranean Emergency Medicine Congress (MEMC II) Sitges, Spain	2003
"Emergency Medicine Basic Research Skills Workshop" American College of Emergency Physicians Dallas, Texas Introduction to Statistical Analysis Confidence Intervals Introduction to Logistic Regression A Few Mechanics of Research Implementation Reliability and Validity Assessment Intention-to-Treat Principle Interim Data Analysis	2003
"Myths in Emergency Medicine Research" New York Regional Meeting of the Society for Academic Emergency Medicine New York, New York	2004
"Introduction to Statistics" Society for Academic Emergency Medicine, Annual Meeting Orlando, Florida	2004
"Oversight and Monitoring of Ongoing Clinical Research" Society for Academic Emergency Medicine, Annual Meeting Orlando, Florida	2004
"Responsible Conduct of Research Series: Integrity in Research" [With Drummond Rennie, MD and Jill Baren, MD] Society for Academic Emergency Medicine, Annual Meeting Orlando, Florida	2004
"Mechanics and Pitfalls in Clinical Research Implementation" Pediatric Emergency Care Research Workshop National Association of EMS Physicians/EMSC Meeting Naples, Florida	2005
"Research Without Consent: Practical and Ethical Issues" [With Kathryn Chaloner, PhD, William Clarke, PhD, Susan Ellenberg, PhD, Charles McCarthy, PhD, and Michael Walker, MD] American Association for the Advancement of Science, 2005 AAAS Annual Meeting Washington, DC	2005
"Research in EMS" [With Marianne Gausche-Hill, MD] Pediatric Emergency Medicine Fellows' Conference Marina del Rey, California	2005
"Introduction to Statistics" Society for Academic Emergency Medicine, Annual Meeting New York, New York	2005

INVITED LECTURES (Continued):

"An Introduction to the NIH Roadmap" [Panel presentation with Lance Becker, MD, and Myron Weisfeldt, MD] Society for Academic Emergency Medicine, Annual Meeting New York, New York	2005
"Experiences with Exception from Informed Consent" [Panel presentation with Lynne Richardson, MD, and Terri Schmidt, MD] Society for Academic Emergency Medicine, Annual Meeting New York, New York	2005
"Talking to Your Statisticians: Understanding Enough Statistics to Ask the Right Questions" Third Mediterranean Emergency Medicine Congress (MEMC III) Nice, France	2005
"Publication Strategies: Dealing with Rejection or Recycling Your Work Based on Advice of Reviewers" Third Mediterranean Emergency Medicine Congress (MEMC III) Nice, France	2005
"Clinical Trial Designs: Tacit and Questionable Assumptions" Visiting Professorship Department of Biostatistics, Boston University School of Public Health Boston, Massachusetts	2006
"Introduction to Statistics" Society for Academic Emergency Medicine Annual Meeting San Francisco, California	2006
"Missing data: What Are You Missing?" [Presentation with Craig D. Newgard, MD, MPH and Jason S. Haukoos, MD, MS] Society for Academic Emergency Medicine Annual Meeting San Francisco, California	2006
"Mechanics and Pitfalls in Clinical Research Implementation" Pediatric Emergency Care Research Workshop National Association of EMS Physicians/EMSC Meeting Naples, Florida	2007
"Statistical Things you Should Know, But Will Not Hear Elsewhere" Pediatric Emergency Medicine Fellows' Conference Miami, Florida	2007
"Classification and Regression Tree Analysis" and "Introduction to Statistics" Visiting Professorship Department of Emergency Medicine, Rhode Island Hospital Providence, Rhode Island	2007
"Introduction to Statistics" Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2007

INVITED LECTURES (Continued):

"Adaptive Clinical Trials" [Presentation with Ari M. Lipsky, MD, MS] Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2007
"Does Industry-Sponsored Research Have A Legitimate Role in Emergency Medicine? " [Debate with Charles Cairns, MD] Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2007
"Advice and Best Practices/Panel of Experienced DMC Chairs and Members" [Panel discussion with Charles Du Mond, PhD and Jonathan Seltzer, MD] 2 nd Data Monitoring Committees Conference Exl Pharma San Francisco, California	2007
"Utilities in Clinical Trials" Conference on Bayesian Biostatistics MD Anderson Cancer Center Houston, Texas	2008
"Emergency Medicine and the Tragedy of the Commons" Emergency Medicine Grand Rounds Denver Health Denver, Colorado	2008
"Introduction to Statistics" Pediatric Emergency Medicine Fellows' Conference Marina del Rey, California	2008
"Introduction: Conference on 'Emergency Care Research Networks'" Society for Academic Emergency Medicine Annual Meeting Washington DC	2008
"Summary: Conference on 'Emergency Care Research Networks'" Society for Academic Emergency Medicine Annual Meeting Washington DC	2008
"Introduction to Statistics" Society for Academic Emergency Medicine Annual Meeting Washington DC	2008
"Adaptive Clinical Trial Design: Short Course" Society for Clinical Trials Annual Meeting Atlanta, Georgia	2009
"Introduction to Statistics" Society for Academic Emergency Medicine Annual Meeting New Orleans, LA	2009
"Application of Bayesian Concepts in Clinical Decision Making" Center for Medicare and Medicaid Services Baltimore, Maryland	2009

INVITED LECTURES (Continued):

“Statistical Aspects of Peer Review in Emergency Medicine” Fifth Mediterranean Emergency Medicine Congress (MEMC V) Valencia, Spain	2009
“Getting an EKG Before Giving Haloperidol” Fifth Mediterranean Emergency Medicine Congress (MEMC V) Valencia, Spain	2009
“Some Key Characteristics of Successful Grants” [Panel Discussion] American College of Emergency Physicians, Research Forum Boston, Massachusetts	2009
“Highlights from the NIH Roundtables on Emergency Care Research” [Panel Discussion] American College of Emergency Physicians, Research Forum Boston, Massachusetts	2009
“Tragedy of the Commons” Department of Emergency Medicine Grand Rounds Oregon Health & Science University Portland, Oregon	2010
“An Example of Decision Analysis: What Type of Trial to Run” FDA/MTLI Medical Devices and IVD Statistics Workshop Washington, DC	2010
“Short Course: Adaptive Clinical Trials” Annual Meeting of the Society for Clinical Trials Baltimore, Maryland	2010
“Advanced Principles of Biostatistics that Everyone Should Know” Society for Academic Emergency Medicine Annual Meeting Phoenix, Arizona	2010
“Individual and Regulatory Decision Analysis” FDA Conference on Using Quantitative Decision Analysis for the Regulation of Medical Devices Silver Spring, Maryland	2010
“Comparative Effectiveness Research in Critical Illness and Injury Organization” Annual Fall Meeting of the US Critical Illness and Injury Trials Group Bethesda, Maryland	2010
“Bayesian Methods” Robert Wood Johnson Foundation Physician Faculty Scholar Program Conference on Comparative Effectiveness Research Menlo Park, California	2011
“Advances in Clinical Trial Design and Pragmatic Trials” Robert Wood Johnson Foundation Physician Faculty Scholar Program Conference on Comparative Effectiveness Research Menlo Park, California	2011

INVITED LECTURES (Continued):

“Short Course: Adaptive Clinical Trials” Annual Meeting of the Society for Clinical Trials Vancouver, Canada	2011
“Discussion: Randomization Strategies for Large Clinical Trials” Annual Meeting of the Society for Clinical Trials Vancouver, Canada	2011
“Introduction to Hierarchical and Multilevel Modeling” [Presentation with Heemun Kwok, MD, MS] Society for Academic Emergency Medicine Annual Meeting Boston, Massachusetts	2011
“Data and Safety Monitoring” Good Clinical Practice Webinar Series Research Centers in Minority Institutions Translational Research Network Webinar	2011
“Adaptive Clinical Trials” 2011 Clinical and Translational Research Workshop Cedars-Sinai Medical Center/Samuel Oschin Comprehensive Cancer Institute Los Angeles, California	2011
“Clinical Research Design: Study Designs” Science Education in Emergency Medicine Karolinska Institute Stockholm, Sweden	2011
“Clinical Research Design: Statistical Concepts” Science Education in Emergency Medicine Karolinska Institute Stockholm, Sweden	2011
“A Brief Introduction to Decision Analysis and Regulatory Decision Making” [With David Chan, MD, MSc and Telba Irony, PhD] Center for Devices and Radiological Health, Food and Drug Administration Washington, DC	2011
“Perspectives on the NHLBI Research Career Development Program in Emergency Medicine Research” American College of Emergency Physicians, Research Forum San Francisco, California	2011
“InFACT/ISARIC: Adaptive Clinical Trials” InFACT/ISARIC Steering Committee Meeting Pittsburgh, Pennsylvania	2011
“An Introduction to Adaptive Clinical Trial Design” International Stroke Conference, American Heart Association New Orleans, Louisiana	2012
“The Bayesian Adaptive Design Process: Components, Teamwork, and Simulation” Conference on Adaptive Designs in Clinical Drug Development London, England	2012

INVITED LECTURES (Continued):

"Overview of Adaptive Clinical Trial Designs" Translational Science 2012 Washington, DC	2012
"Flexible Foundations for a Medical Research Career" Annual Meeting of the American Physician Scientists Association Chicago, Illinois	2012
"Adaptive Clinical Trials" The International Sepsis Forum 2012 Stephen F. Lowry Colloquium National Institutes of Health Bethesda, MD	2012
"Introduction to Statistics" Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2012
"Follow Up to the NIH Emergency Research Roundtables" Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2012
"Perspectives on the NHLBI Research Career Development Program in Emergency Medicine Research" Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2012
"Adaptive Designs for Clinical Trials" Society for Academic Emergency Medicine Annual Meeting Chicago, Illinois	2012
"Short Course: Adaptive Clinical Trials" Annual Meeting of the Society for Clinical Trials Miami, Florida	2012
"How to Perform a Structured Retrospective Chart Review" 6 th Dutch North Sea Emergency Medicine Conference Egmond aan Zee, Netherlands	2012
"Advantages and Disadvantages of Multicenter Research Collaboration" 6 th Dutch North Sea Emergency Medicine Conference Egmond aan Zee, Netherlands	2012
"How to Balance Academic and Clinical Responsibilities" 6 th Dutch North Sea Emergency Medicine Conference Egmond aan Zee, Netherlands	2012
"Introduction to Adaptive Clinical Trial Designs" PRIM&R Webinar Series Internet Webinar	2012
"Adaptive and Bayesian Trial Design in Emergency Medicine Research" 2012 International Conference on Emergency Medicine (ICEM 2012) Dublin, Ireland	2012

INVITED LECTURES (Continued):

"Incorporating Clinical Perspectives into the Design of Adaptive Clinical Trial: Process and Impact" Joint Statistical Meetings San Diego, California	2012
"Bayesian Hierarchical Models in Adaptive Clinical Trials Aiming to Generate Pediatric Efficacy Data" ASA Biopharmaceutical Section FDA-Industry Statistics Workshop Washington DC	2012
"Adaptive Clinical Trials: Preserving the Flexibility to do the Right Thing" Presented as part of panel entitled "An Introduction to Flexible Adaptive Clinical Trial Designs: Implications for IRB Review and Informed Consent" with Donald A. Berry, PhD and William J. Meurer, MD, MS PRIM&R Annual Meeting San Diego, California	2012
"An Overview of Bayesian Adaptive Clinical Trial Design" Bayesian Methods in Biostatistics and Bioinformatics Barcelona Institute for Research in Biomedicine Barcelona, Spain	2012
"A Brief Introduction to Adaptive Clinical Trials" Comparative Effectiveness Research Key Function Committee Clinical and Translational Science Award CTSA Consortium Internet Webinar	2013
"An Introduction to Adaptive Clinical Trials" Adaptive Clinical Trials in Drug Development 2013 Annual Meeting of the American Society for Clinical Pharmacology and Therapeutics (ASCPT) Indianapolis, Indiana	2013
"The Motivation, Promise, and Success of Bayesian Adaptive Trial Design" Conference on Adaptive Designs in Clinical Trials London, England	2013
"An Introduction to Flexible Adaptive Designs" Design-It 2013 Bethesda, Maryland	2013
"The NIH Office of Emergency Care Research" 2013 Western Regional Meeting of the Society for Academic Emergency Medicine Long Beach, California	2013
"Use of a Bayesian Adaptive Trial Design for a Phase II Trial of L-Carnitine in Septic Shock" Visiting Professor, British Columbia Clinical Research Infrastructure Network Vancouver, British Columbia, Canada	2013
"The Motivation, Promise, and Success of Bayesian Adaptive Trial Design" Visiting Professor, British Columbia Clinical Research Infrastructure Network Vancouver, British Columbia, Canada	2013

INVITED LECTURES (Continued):

“Introduction to Statistics” SAEM Annual Meeting Atlanta, Georgia	2013
“Team Science in Research: What is the Role in Emergency Medicine” [With Chadwick Miller, MD, MS, Alan Storrow, MD, Gregory Fermann, MD] SAEM Annual Meeting Atlanta, Georgia	2013
“Asking the Question that Clinicians Want Answered within an Adaptive Comparative Effectiveness Trial” [With William J. Meurer, MD, MS and Jason T. Connor, PhD] SAEM Annual Meeting Atlanta, Georgia	2013
“Inauguration of the NIH Office of Emergency Care Research” [With Charles Cairns, MD, Walter Koroshetz, MD and Scott Somers, PhD] SAEM Annual Meeting Atlanta, Georgia	2013
“The ADAPT-IT Project: Real-World Design, Application, and Implementation of Adaptive Trials within NIH & FDA Settings” [With William J. Meurer, MD, MS, Yuko Palesch, PhD, and Robert O’Neill, PhD] Society for Clinical Trials Annual Meeting Boston, Massachusetts	2013
“An Introduction to Bayesian Adaptive Design” Novel Trial Design Workshop ANZICS Clinical Trials Group Wellington, New Zealand	2013
“Will Bayesian Adaptive Designs Work in the ICU?” Novel Trial Design Workshop ANZICS Clinical Trials Group Wellington, New Zealand	2013
“Time to Rethink Trial Design?” College of Intensive Care Medicine 2013 Annual Scientific Meeting Wellington, New Zealand	2013
“An Introduction to Bayesian Adaptive Clinical Trial Design” Oregon Institute for Patient-Centered Comparative Effectiveness Annual Research Institute Portland, Oregon	2013
Panel Speaker “Diverse Applications of Statistics: Are We Doing Enough in Creating Visibility?” Joint Statistical Meetings Montreal, Canada	2013
“Adaptive Clinical Trials” 12 th Setouuhi International Conference on Clinical Trials Matsuyama, Ehime, Japan	2013

INVITED LECTURES (Continued):

“Clinical and Bayesian Perspectives on Subgroups in Clinical Trials” 7 th Annual Bayesian Biostatistics & Bioinformatics Conference Houston, Texas	2014
“Ethical and Statistical Considerations for Comparative Effectiveness Research in the Emergency Care Setting” Ethical and Regulatory Challenges to Emergency Care Research Office of Emergency Care and Division of Bioethics National Institutes of Health Bethesda, Maryland	2014
“The Collaborative Adaptive Clinical Trial Design Process: Teamwork Informed by Simulation” Conference on Adaptive Designs in Clinical Trials London, England	2014
“Identifying and Exploiting Opportunity for Efficiency in Clinical Trial Design: A Interactive Adaptive Design Workshop” Conference on Adaptive Designs in Clinical Trials London, England	2014
“Accelerative Drug and Device Evaluation through Innovative Clinical Trial Design” NIH-FDA Workshop on Advancing Regulatory Science US Food and Drug Administration Silver Spring, Maryland	2014
“Independent Data Monitoring Committees Recommendations for Trials with an Adaptive Design: What, How, and to Whom?” [Course Instructor with: Marian Fisher, PhD and Paul Gallo, PhD] Annual Meeting of the Society for Clinical Trials Philadelphia, Pennsylvania	2014
“Embedding Adaptive Learning in Healthcare Systems” Annual Research Meeting, Academy Health San Diego, California	2014
“DSMBs and the Clinical Monitoring of Trials” [With Robin Conwit, MD] NINDS Clinical Trials Methodology Course Iowa City, Iowa	2014
“What Does an IRB do?” NINDS Clinical Trials Methodology Course Iowa City, Iowa	2014
“Why Adaptive Trials are Important and Pragmatic Trials are Overrated” Research Forum, American College of Emergency Physicians Chicago, Illinois	2014
“An Introduction to Adaptive Clinical Trials” Canadian Critical Care Trials Group Annual Meeting Lake Louise, Canada	2015

INVITED LECTURES (Continued):

"An Industry Perspective on the 5th Anniversary of the Guidance on the Use of Bayesian Statistics in Medical Device Clinical Trials" 2015 DIA Joint Adaptive Design and Bayesian Statistics Conference: Drivers of Efficiency in Modern Medical Product Development Washington, DC	2015
"New Approaches to Clinical Trials" 35 th International Symposium on Intensive Care and Emergency Medicine Brussels, Belgium	2015
"Statistics for Dummies" 35 th International Symposium on Intensive Care and Emergency Medicine Brussels, Belgium	2015
"The Pragmatic Clinical Trial in a Learning Healthcare System" 8th Annual Conference on Statistical Issues in Clinical Trials University of Pennsylvania Philadelphia, Pennsylvania	2015
"Introduction to Statistics" Annual Meeting of the Society for Academic Emergency Medicine San Diego, California	2015
"Adaptive Clinical Trial Designs Beyond Theory into Reality: An Interactive Workshop" [Course Instructor with William Meurer, MD, John Scott, PhD, Greg Campbell, PhD, Jason Connor, PhD, and Scott Berry, PhD] Annual Meeting of the Society for Clinical Trials Arlington, Virginia	2015
"Platform Trials in Patient-Centered Outcomes Research" PCORI Workshop: Trial Simulation and Platform Trials Washington, DC	2015
"What Does an IRB do?" NINDS Clinical Trials Methodology Course Ann Arbor, Michigan	2015
"DSMBs and the Clinical Monitoring of Trials" [With Robin Conwit, MD] NINDS Clinical Trials Methodology Course Ann Arbor, Michigan	2015
"Adaptive Clinical Trials" Clinical and Translational Research Workshop Cedars-Sinai Medical Center Los Angeles, California	2015
"Discussion: Benefit-Risk Assessment for Medical Products and Diagnostics" Joint Statistical Meetings Seattle, Washington	2015

INVITED LECTURES (Continued):

“DMCs and Adaptive Clinical Trials: Considerations in Balancing Safety and Trial Integrity” [Speaker with Greg Campbell, PhD and Tomas Cook, PhD] ASA Biopharmaceutical Section “FDA-Industry” Statistics Workshop Washington, DC	2015
“Innovative Approaches to Study Planning and Design: Power, Simulation and Adaptation” Conference on PCORI’s Pragmatic Clinical Studies Initiative Portland, Oregon	2015
“Musings of a Research Methodologist or How to Think about Endodontics Outcomes Research” TDO Annual User Meeting and Scientific Session San Diego, California	2015
“An Introduction to Adaptive Clinical Trial Design” 2015 International Clinical Trials Symposium Australia Clinical Trials Alliance Sydney, Australia	2015
“An Introduction to Platform Trials” 2015 International Clinical Trials Symposium Australia Clinical Trials Alliance Sydney, Australia	2015
“Evaluating Innovative Trial Designs via Simulation” 2015 International Clinical Trials Symposium Australia Clinical Trials Alliance Sydney, Australia	2015
“Platform Trial Design: Replacing the Traditional RCT Approach to Obesity” Obesity Week 2015 Los Angeles, California	2015
“Adaptive and Platform Clinical Trials” GSK Statistics Conference Collegeville, Pennsylvania	2015
“Important Statistical Concepts for Emergency Physicians” Department of Emergency Medicine University of Pittsburgh Medical Center Pittsburgh, Pennsylvania	2016
“An Introduction to Adaptive Clinical Trials Design” Department of Emergency Medicine K12 Research Training Program University of Pittsburgh Medical Center Pittsburgh, Pennsylvania	2016
“An Introduction to Adaptive Clinical Trial Design” Western Regional Meeting of the Society for Academic Emergency Medicine Marina Del Rey, California	2016
“An Introduction to Platform Trials” Annual Meeting of the Society for Clinical Trials Montreal, Canada	2016

INVITED LECTURES (Continued):

“Adaptive Clinical Trials” Clinical and Translational Research Workshop: Clinical Protocol Development Cedars-Sinai Medical Center Los Angeles, California	2016
“Panel Discussion: Empowering Bayesians through the 21 st Century Cures Act” [With Lisa LaVange, PhD, Karen Price, PhD, and Steven Goodman, MD, PhD] Joint Statistical Meetings Chicago, Illinois	2016
“What do IRBs do?” NINDS Clinical Trials Methodology Course Ann Arbor, Michigan	2016
“DSMBs and the Clinical Monitoring of Trials” [With Robin Conwit, MD] NINDS Clinical Trials Methodology Course Ann Arbor, Michigan	2016
“An Introduction to Platform Trials” Antibiotic Resistance Leadership Group (ARLG) ADAPT Platform Trial Public Meeting Washington DC	2016
“Independent Data Safety Monitoring Committee (IDSMC)” Investigator Meeting Fibrinogen Replenishment in Surgery (FIBRES/FORMA-06) Trial Toronto General Hospital/Octapharma AG Toronto, Canada	2017
“Adaptive Clinical Trial Designs for Remote Damage Control Resuscitation” THOR Remote Damage Control Resuscitation Symposium Os, Norway	2017
“SEPSIS-ACT: An Innovative Trial Design” Selepressin Evaluation Programme for Sepsis-Induced Shock—Adaptive Clinical Trial (SEPSIS-ACT) Investigators’ Meeting Ferring Pharmaceuticals Tampa, Florida	2017
“An Introduction to Platform Trials: Multicenter Transplant Alliance” Annual Meeting of the Multicenter Transplant Alliance Santa Monica, California	2017
“Professional Opportunities in The Specialty of Emergency Medicine” Korean Society of Emergency Medicine Seoul, Republic of Korea	2017
“Using a Patient-Centered Utility to Drive a Bayesian Adaptive Enrichment Trial of Treatments in Acute Stroke” ASA Regulatory-Industry Statistics Workshop Washington, DC	2017

INVITED LECTURES (Continued):

“Informing Ethical Evaluations of Adaptive Clinical Trials Through Simulation” Global Forum on Bioethics in Research Meeting Wellcome Trust Bangkok, Thailand	2017
“Bayesian Adaptive Platform Clinical Trials: A Research Paradigm” Vanderbilt University Discovery Lecture Nashville, Tennessee	2018
“ICH GCP for Adaptive and Platform Clinical Trials” Exploring Good Clinical Practice Guidelines in Clinical Trials The Academy of Medical Sciences/Wellcome Trust London, UK	2018
“An Introduction to Bayesian Adaptive Platform Clinical Trials” Advancing Innovative Clinical Program Design Amgen Thousand Oaks, California	2018
“General Considerations for Other Innovative Designs Including External/Historical Control Subjects, Bayesian Designs, and Master Protocols” [Discussant] Public Meeting on Promoting the Use of Complex Innovative Designs in Clinical Trials US Food and Drug Administration Silver Spring, Maryland	2018
“An Introduction to Bayesian Adaptive Platform Clinical Trials” Annual Meeting of The Society for Clinical Trials Portland, Oregon	2018
“Overlapping Rules of Data and Safety Monitoring Boards (DSMBs) and IRBs in the Protection of Human Research Participants” PRIM&R Advancing Ethical Research Conference San Diego, California	2018
“Introduction to Adaptive Trials” FORUM Workshop: Adaptive Trials: Acceptability, Utility and Versatility Academy of Medical Sciences London, UK	2019
“What Does the Future Hold for Adaptive Trials” FORUM Workshop: Adaptive Trials: Acceptability, Utility and Versatility Academy of Medical Sciences London, UK	2019
“Considerations for Data and Safety Monitoring Boards (DSMBs) Overseeing Adaptive Clinical Trials” Annual Meeting of The Society for Clinical Trials New Orleans, Louisiana	2019

INVITED LECTURES (Continued):

“Should DSMBs and IRBs Work Together?” [with Michael Linke, MD and Robert Silbergleit, MD] Association for the Accreditation of Human Research Protection Programs Annual Meeting New Orleans, Louisiana	2019
“Biostatistical and Mater Protocol Design Consideration in ARDS” Precision Medicine in ARDS Workshop National Heart Lung and Blood Institute (NHLBI) Bethesda, Maryland	2019
“Ethical Considerations for Research in Emergency Care and Public Health Emergencies” Visiting Scholar Oxford University Clinical Research Unit Ho Chi Minh City, Vietnam	2019
“Adaptive Clinical Design” Visiting Scholar Oxford University Clinical Research Unit Ho Chi Minh City, Vietnam	2019
“Overview of Adaptive Design” Adaptive Design Workshop for Preclinical, Clinical Veterinary, and Translational Human Studies Colorado State University Fort Collins, Colorado	2019
“Statistical Approaches for Antibiotic Trials: Are We Answering the Wrong Question?” FDA-IDSA-NIH-Pew Public Workshop: Enhancing the Clinical Trial Enterprise for Antibacterial Drug Development in the United States Silver Spring, Maryland	2019
“Case Study in Bayesian Learning in a Clinical Trial: The Chilled Platelets Study (CHIPS)” DIA/FDA Advancing Complex Innovative Clinical Trial Designs to Efficiently Deliver Medicines to Patients Conference Silver Spring, Maryland	2020
“Optimizing clinical Trial Simulation to Inform and Communicate Innovative Clinical Trial Design” DIA Biostatistics Industry and Regulator Forum Virtual Meeting	2020
“Experience with ‘ICH E6’ with Innovative Adaptive Clinical Trials” FDA/CTTI Conference on Stakeholder Engagement on ICH E6 Guideline for Good Clinical Practice Clinical Trials Transformation Initiative and the US Food and Drug Administration Virtual Conference	2020
“Establishing an Emergency Medicine Investigator Pipeline” [With Robert Neumar, MD, PhD] Association of Academic Chairs in Emergency Medicine (AACEM) Virtual Seminar	2020

INVITED LECTURES (Continued):

“The Use of COVID-19 Models in a Local Health Jurisdiction COVID-19 Response” 2020
[with Claire Jarashow, PhD, MPH]

Mathematical Models in Understanding COVID-19
Institute for Pure and Applied Mathematics (IPAM)
University of California, Los Angeles
Los Angeles, California

“Communicating Results of COVID-19 Prediction Models” 2020
[Panelist]

Mathematical Models in Understanding COVID-19
Institute for Pure and Applied Mathematics (IPAM)
University of California, Los Angeles
Los Angeles, California

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CONGRESSIONAL TESTIMONY

Congressional Testimony to the Committee on Oversight and Government Reform 2008
Hearing entitled "The lack of hospital emergency surge capacity: Will the Administration's
Medicaid regulations make it worse?, Day One"
Rayburn House Office Building
Washington, DC

INVITED LECTURES TO COMMUNITY GROUPS

"Harbor-UCLA Medical Center: Trauma Center for the South Bay" 2002
Palos Verdes Seniors
Palos Verdes, California

"Harbor-UCLA Medical Center: Trauma Center for the South Bay" 2002
Palos Verdes Rotary Club
Palos Verdes, California

"Life Saving Tips: Emergency Rooms and Trauma Centers" 2008
Smith Barney Client University 2008
Redondo Beach, California

"Harbor-UCLA Medical Center: A Resource for the South Bay" 2011
Los Angeles Biomedical Research Institute Foundation Community Program
Palos Verdes, California

SELECTED MEDIA INTERVIEWS AND MENTIONS

"Harbor-UCLA Medical Center" 2002
Cox Cable Television

"Going Where the Emergency Is: HIV in the Emergency Room" 2002
CD Audio/Slide Course with: Catherine Creticos, MD, Alan Amberg,
John Lumpkin, MD, Nancy Glick, MD, Roger Lewis, MD,
David Slobotkin, MD, Mallory Witt, MD, and Leslie Zun, MD.
University of Chicago/Midwest AIDS Training and Education Center (MATEC)

"Talk of the Nation/Science Friday" 2006
[Interview regarding exception to informed consent in emergency
resuscitation research]
National Public Radio

"Emergency Department Crowding and Surge Capacity" 2008
Channel 7 News
Los Angeles, California

"Emergency Department Crowding and Surge Capacity" 2008
Channel 9 News
Los Angeles, California

Quoted in "Is Patient's 'Non-Compliance' Enough to Protect EPs Legally?" 2013
ED Legal Letter 2013;24:106-107.
AHC Media

SELECTED MEDIA INTERVIEWS AND MENTIONS (Continued):

Quoted in Los Angeles Times article entitled “U.S. Rep. Janice Hahn Brings Sit-in against gun violence home to L.A.”, June 27, 2016, https://www.latimes.com/politics/la-pol-sac-essential-politics-20160601-htmllstory.html	2016
Quoted in El Aviso article entitled “Condado de Los Ángeles extiende órdenes de cierre de negocios y quedarse en casa”, April 10, 2020, https://elaviso.com/condado-de-los-angeles-extiende-ordenes-de-cierre-de-negocios-y-quedarse-en-casa/	2020
Quoted in Los Angeles Times article entitled “L.A. County stay-at-home order could last into summer; more social distancing essential, officials say”, April 10, 2020, https://www.latimes.com/california/story/2020-04-10/coronavirus-stay-at-home-order-social-distancing-summer	2020
Quoted on NBC News “L.A. County Extends Stay-At-Home Order”, April 10, 2020, https://nbcpalmsprings.com/2020/04/10/l-a-county-extends-stay-at-home-order/	2020
Quoted in SCVnews.com “Data Show Safer at Home Order Slowing Rate of COVID-19 Transmission”, April 11, 2020, https://scvnews.com/data-show-safer-at-home-order-slowing-rate-of-covid-19-transmission/	2020
Quoted in LA Opinión article entitled “El distanciamiento social estaría ayudando a aplanar la curva de contagios de coronavirus”, April 14, 2020, https://laopinion.com/2020/04/14/el-distanciamiento-social-estaria-ayudando-a-aplanar-la-curva-de-contagios-de-coronavirus-en-la/	2020
Quoted in Los Angeles Times article entitled “Coronavirus could be leveling off in L.A. County, new more optimistic forecast says”, April 22, 2020, https://www.latimes.com/california/story/2020-04-22/coronavirus-could-be-leveling-off-in-la-county-forecast	2020
Quoted in Los Angeles Times article entitled “Still not timetable for reopening California as coronavirus deaths rise”, April 23, 2020, https://www.latimes.com/california/story/2020-04-23/california-coronavirus-deaths-no-timetable-for-reopening	2020
Quoted on The Rachel Maddow Show section titled “L.A. County Officials Warn of Shortage of Beds”, in regards to COVID-19 epidemic, June 29, 2020, https://topnewsshow.com/the-rachel-maddow-show-6-29-20-msnbc/	2020
Quoted on Patch News “Coronavirus: Latest Malibu Case Totals. On Monday, Los Angeles County flew past a grim milestone of 100,000 confirmed cases”, June 29, 2020, https://patch.com/california/malibu/coronavirus-latest-malibu-case-totals-2	2020
Quoted on Univision 34 News “Los Ángeles supera la marca de 100,000 casos de coronavirus y reporta nuevo récord de contagios diarios”, June 29, 2020, https://www.univision.com/local/los-angeles-kmex/los-angeles-supera-la-marca-de-100-000-casos-de-coronavirus-y-reporta-nuevo-record-de-contagios-diarios	2020
Quoted in Los Angeles Times article entitled “L.A. County issues dire warning amid ‘alarming increases’ in coronavirus cases”, June 29, 2020, https://www.latimes.com/california/story/2020-06-29/l-a-county-issues-dire-warning-amid-alarming-increases-in-coronavirus	2020

SELECTED MEDIA INTERVIEWS AND MENTIONS (Continued):

- Quoted in Los Angeles Daily News article entitled “1 in 140 could be infectious new LA County data reveals”, June 29, 2020, <https://www.dailynews.com/2020/06/29/1-in-140-are-infectious-new-la-county-coronavirus-data-reveals/> 2020
- Quoted on NBC 4 News “LA County Passes 100K Coronavirus Cases as Forth of July Weekend Approaches”, June 29, 2020, <https://www.nbclosangeles.com/news/local/watch-la-county-holds-news-conference-as-coronavirus-cases-spike-dramatically/2387954/> 2020
- Interviewed on KFI Radio - The John and Ken Show, “LA County Health Officials on Edge as Coronavirus Cases Spike Dramatically, June 30, 2020, <https://kfiam640.iheart.com/content/2020-06-30-la-county-health-officials-on-edge-as-coronavirus-cases-spike-dramatically/> 2020
- Quoted in SBNation article entitled “As Los Angeles County sets record for new coronavirus cases, spring training begins this week at Dodger Stadium”, June 30, 2020, <https://www.truebluel.com/2020/6/30/21307578/spring-training-dodger-stadium-los-angeles-county-coronavirus> 2020
- Quoted on Telemundo 52 News “Condado de Los Ángeles sobrepasa 100,000 casos confirmado de COVID-19”, June 30, 2020, <https://www.telemundo52.com/noticias/local/inquietud-entre-funcionarios-de-salud-por-aumento-de-casos-de-covid-19/2094239/> 2020
- Quoted in Los Angeles Daily News “Coronavirus surge is coming, LA County officials say, and hospitals should prepare now”, July 6, 2020, <https://www.dailynews.com/2020/07/06/make-room-for-a-coronavirus-surge-la-county-tells-local-hospitals/> 2020

OTHER PUBLIC PRESENTATIONS

- “Public Presentation to FDA/CDRH Town Hall Meeting”
FDA/Center for Devices and Radiological Health (CDRH)
Irvine, California 2010

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LECTURE SERIES:

1. Department of Emergency Medicine Research Methodology Seminar Lecture Series. September 1994 - December 1994
2. Department of Emergency Medicine Research Methodology Seminar Lecture Series. November 1996 - March 1997.

JOURNAL CLUB:

1. Teach Analysis of Medical Literature Through Journal Club. Approximately 8 sessions per year. July 1990 - 2013

LECTURES (Institutional, Since January 1, 1994):

1. Department of Emergency Medicine Grand Rounds. Diving Injuries. Department of Emergency Medicine, Harbor-UCLA Medical Center. February 1994.
2. Reproductive Endocrinology Grand Rounds. An Introduction to Statistical Concepts and Methods. Division of Reproductive Endocrinology, Harbor-UCLA Medical Center. March 1994.
3. Department of Emergency Medicine Core Conference. Introduction to Statistical Methods: Part I. Department of Emergency Medicine, Harbor-UCLA Medical Center. March 1994.
4. Department of Emergency Medicine Core Conference. Introduction to Statistical Methods: Part II. Department of Emergency Medicine, Harbor-UCLA Medical Center. March 1994.
5. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. April 1994.
6. Trauma Nursing Course. Initial Evaluation of the Trauma Patient. Trauma Services, Harbor-UCLA Medical Center. April 1994.
7. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. June 1994.
8. Department of Emergency Medicine Morbidity and Mortality Conference. Screening Patients for Pulmonary Tuberculosis. Department of Emergency Medicine, Harbor-UCLA Medical Center. June 1994.
9. Department of Obstetrics and Gynecology Journal Club. An Introduction to the Statistical Design and Analysis of Research Studies. Department of Obstetrics and Gynecology, Harbor-UCLA Medical Center. August 1994.
10. Clinical Study Center Course on Introduction to Clinical Research. An Introduction to the Design of a Clinical Study. Department of Medicine, Harbor-UCLA Medical Center. September 1994.
11. Department of Emergency Medicine Morbidity and Mortality Conference. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. September 1994.
12. Santa Monica Medical Center Noon Conference. Spontaneous Bacterial Peritonitis. Santa Monica Medical Center. September 1994.

LECTURES (Institutional, Since January 1, 1994, Continued):

13. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. October 1994.
14. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. November 1994.
15. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Loma Linda University Medical Center. November 1994.
16. Department of Emergency Medicine Core Conference. Near Drowning. Department of Emergency Medicine, Harbor-UCLA Medical Center. December 1994.
17. Department of Obstetrics and Gynecology Journal Club. An Introduction to the Statistical Design and Analysis of Research Studies. Department of Obstetrics and Gynecology, Harbor-UCLA Medical Center. July 1995.
18. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. July 1995.
19. Harbor-UCLA Medical Center CME Program "Tuberculosis and the Health Care Worker." A Protocol for the Rapid Identification and Isolation of Patients at High Risk for Active Pulmonary Tuberculosis in the Emergency Department. Queen Mary, Long Beach, California. September 1995.
20. Clinical Study Center Lecture Series. Ethical Issues in Clinical Research. Harbor-UCLA Medical Center. September 1995.
21. Allergy and Immunology Seminar Series. An Introduction to the Statistical Analysis of Research Studies. Division of Allergy and Immunology, Department of Medicine, Harbor-UCLA Medical Center. November 1995.
22. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. December 1995.
23. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. January 1996.
24. Santa Monica Medical Center Noon Conference. Pancreatitis. Santa Monica Medical Center. January 1996.
25. Department of Emergency Medicine Core Conference. Statistics and Clinical Trial Design I. Department of Emergency Medicine, Harbor-UCLA Medical Center. February 1996.
26. Department of Emergency Medicine Core Conference. Statistics and Clinical Trial Design II. Department of Emergency Medicine, Harbor-UCLA Medical Center. February 1996.
27. Department of Emergency Medicine Morbidity and Mortality Conference. Streptococcal Toxic Shock Syndrome. Department of Emergency Medicine, Harbor-UCLA Medical Center. February 1996.
28. Department of Emergency Medicine Grand Rounds. Diving Injuries. Department of Emergency Medicine, Harbor-UCLA Medical Center. April 1996.
29. Department of Emergency Nursing. Near Drowning. Emergency Nursing Conference: EDAP (Emergency Departments Approved for Pediatrics) Update Course. May 1996.

LECTURES (Institutional, Since January 1, 1994, Continued):

30. Department of Obstetrics and Gynecology Journal Club. Introduction to Statistics. Department of Obstetrics and Gynecology, Harbor-UCLA Medical Center. July 1996.
31. Department of Emergency Medicine Grand Rounds. Diagnosis and Management of Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. July 1996.
32. Department of Emergency Nursing, Pediatrics Lecture Series. Near Drowning. Department of Emergency Nursing, Harbor-UCLA Medical Center. September, 1996.
33. Clinical Study Center Lecture Series. Design of Clinical Studies. Harbor-UCLA Medical Center. September 1996.
34. Santa Monica Medical Center Noon Conference. Pancreatitis. Santa Monica Medical Center. October 1996.
35. Department of Emergency Medicine, Pediatric Emergency Medicine Lecture Series. Near Drowning. Department of Emergency Medicine, Harbor-UCLA Medical Center. October 1996.
36. Department of Emergency Medicine Morbidity and Mortality Conference. Diving Injuries. Department of Emergency Medicine, Harbor-UCLA Medical Center. October 1996.
37. Department of Emergency Nursing Mobile Intensive Care Unit (MICU) Nurse Course. Evaluation of the Trauma Patient. December 1996.
38. Department of Emergency Medicine Morbidity and Mortality Conference. Near Drowning. Department of Emergency Medicine, Harbor-UCLA Medical Center. January 1997.
39. Department of Emergency Medicine Morbidity and Mortality Conference. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. May 1997.
40. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. August 1997.
41. Department of Emergency Medicine, Trauma Surgery/Emergency Medicine Joint Conference. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. August 1997.
42. Santa Monica Medical Center Noon Conference. Near Drowning. Santa Monica Medical Center. September 1997.
43. Department of Emergency Medicine Morbidity and Mortality Conference. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. November 1997.
44. Department of Emergency Medicine Grand Rounds, Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center. April 1998.
45. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. July 1998.
46. Clinical Study Center Lecture Series. Designing Clinical Research. Harbor-UCLA Medical Center. September 1998.
47. Department of Medicine Grand Rounds. Data Monitoring and the "Efficacy Trial of DCLHb in the Treatment of Severe Traumatic Hemorrhagic Shock." Department of Medicine, Harbor-UCLA Medical Center. January 1999.

LECTURES (Institutional, Since January 1, 1994, Continued):

48. Department of Emergency Medicine Grand Rounds. Diving Injuries. Department of Emergency Medicine, Harbor-UCLA Medical Center. February 1999.
49. Santa Monica Medical Center Noon Conference. Sepsis. Santa Monica Medical Center. February 1999.
50. Department of Emergency Medicine Grand Rounds. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. April 1999.
51. Department of Emergency Medicine Grand Rounds. Data Monitoring and the “Efficacy Trial of DCLHb in the Treatment of Severe Traumatic Hemorrhagic Shock.” Department of Emergency Medicine, Harbor-UCLA Medical Center, May 1999.
52. Weitzman Memorial Lecture. When to Terminate a Clinical Trial—A Case Study. Harbor-UCLA Medical Center. June 1999.
53. Department of Emergency Medicine Grand Round. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. July 1999.
54. Santa Monica Medical Center Noon Conference. Introduction to Statistics. Santa Monica Medical Center. January 2000.
55. Department of Emergency Medicine Core Conference. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. March 2000.
56. Obstetrics and Gynecology Lecture Series. Introduction to Statistics. Department of Obstetrics and Gynecology, Harbor-UCLA Medical Center. March 2000.
57. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. June 2000.
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59. Department of Emergency Medicine Core Conference. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. August 2000.
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61. Department of Emergency Medicine Grand Rounds. Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center. December 2000.
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63. Santa Monica Medical Center Noon Conference. Introduction to Statistics. Santa Monica Medical Center. September 2001.
64. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. September 2001.
65. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center. December 2001.

LECTURES (Institutional, Since January 1, 1994, Continued):

66. Department of Emergency Medicine Grand Rounds. Comments on Chest Radiographs and Emergency Department Decision Making for the Patient with Pneumonia. Department of Emergency Medicine, Harbor-UCLA Medical Center. January 2002.
67. General Clinical Research Center Lecture Series. Clinical Trial Design Concepts: The Intention to Treat Principle and Interim Data Analysis. Harbor-UCLA Medical Center, January 2002.
68. Department of Emergency Medicine Grand Rounds. Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center. March 2002.
69. Department of Emergency Medicine Grand Rounds. Near Drowning. Department of Emergency Medicine, Harbor-UCLA Medical Center. April 2002.
70. Santa Monica-UCLA Medical Center Noon Conference. Near Drowning. Santa Monica-UCLA Medical Center. July 2002.
71. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center. August 2002.
72. Santa Monica-UCLA Medical Center Noon Conference. Appendicitis. Santa Monica-UCLA Medical Center. January 2003.
73. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center. January 2003.
74. General Clinical Research Center Lecture Series. Clinical Trial Design Concepts: The Intention to Treat Principle and Interim Data Analysis. Harbor-UCLA Medical Center, March 2003.
75. General Clinical Research Center Lecture Series. Data and Safety Monitoring in Clinical Research. Harbor-UCLA Medical Center, March 2003.
76. Department of Emergency Medicine Grand Rounds. Pancreatitis. Harbor-UCLA Medical Center, April 2003.
77. Department of Emergency Medicine Grand Rounds. Diving Injuries. Department of Emergency Medicine, Harbor-UCLA Medical Center, June 2003.
78. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, September 2003.
79. Pediatric Critical Care Fellows Conference. Introduction to Clinical Research. Department of Pediatrics, Harbor-UCLA Medical Center, October 2003.
80. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2003.
81. Pediatric Critical Care Fellows Conference. Introduction to Statistics. Department of Pediatrics, Harbor-UCLA Medical Center, November 2003.
82. Pediatric Emergency Medicine Nursing Conference. Near Drowning. Department of Emergency Medicine Nursing, Harbor-UCLA Medical Center, December 2003.
83. Department of Emergency Medicine Grand Rounds. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, January 2004.

LECTURES (Institutional, Since January 1, 1994, Continued):

84. Department of Emergency Medicine Grand Rounds. Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center, March 2004.
85. Department of Emergency Medicine Grand Rounds. Academic Emergency Medicine and the "Tragedy of the Commons." Department of Emergency Medicine, Harbor-UCLA Medical Center, April 2004.
86. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, July 2004.
87. Harbor-UCLA Alumni Event 2004 Continuing Education Program. The Tragedy of the Commons. Harbor-UCLA Medical Center, October 2004.
88. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, October 2004.
89. Department of Emergency Medicine Core Conference. Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2004.
90. General Clinical Research Center Lecture Series. Data and Safety Monitoring. Harbor-UCLA Medical Center, December 2004.
91. Department of Emergency Medicine Grand Rounds. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, April 2005.
92. General Clinical Research Center Lecture Series. Data and Safety Monitoring: Preparing Plans and Reports. Harbor-UCLA Medical Center, June 2005.
93. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, July 2005.
94. Pediatric Critical Care Fellows Conference. Biostatistics. Department of Pediatrics, Harbor-UCLA Medical Center, July 2005.
95. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center, September 2005.
96. Pediatric Critical Care Fellows Conference. Clinical Research Methodology--Outcomes. Department of Pediatrics, Harbor-UCLA Medical Center, October 2005.
97. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2005.
98. Department of Emergency Medicine Grand Rounds. Baseball & Subgroups & Clinical Trials. Department of Emergency Medicine, Harbor-UCLA Medical Center, April 2006.
99. Pediatric Critical Care Fellows Conference. Biostatistics. Department of Pediatrics, Harbor-UCLA Medical Center, July 2006.
100. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, August 2006.
101. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2006.

LECTURES (Institutional, Since January 1, 1994, Continued):

102. Department of Emergency Medicine Grand Rounds. Pancreatitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, January 2007.
103. Department of Emergency Medicine Grand Rounds. Statistical Things You Won't Hear Elsewhere. Department of Emergency Medicine, Harbor-UCLA Medical Center, April 2007.
104. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, July 2007.
105. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2007.
106. Department of Emergency Medicine Grand Rounds. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2007.
107. Department of Emergency Medicine Grand Rounds. Introduction to the DEM Research College. Department of Emergency Medicine, Harbor-UCLA Medical Center, February 2008.
108. Pediatric Emergency Medicine and Critical Care Fellows' Research Conference. Statistical Things You Won't Hear Elsewhere. Departments of Emergency Medicine and Pediatrics, Harbor-UCLA Medical Center, July 2008.
109. Pediatrics Housestaff Conference. Introduction to Statistics. Department of Pediatrics, Harbor-UCLA Medical Center, July 2008.
110. Department of Emergency Medicine Grand Rounds. Introduction to the DEM Research College. Department of Emergency Medicine, Harbor-UCLA Medical Center, August 2008.
111. Department of Emergency Medicine Grand Rounds. Near Drowning. Department of Emergency Medicine, Harbor-UCLA Medical Center, October 2008.
112. General Clinical Research Center Lecture Series. Data and Safety Monitoring. Harbor-UCLA Medical Center, October 2008.
113. Pediatric Emergency Medicine and Critical Care Fellows' Research Conference. Outcomes for Clinical Research. Departments of Emergency Medicine and Pediatrics, Harbor-UCLA Medical Center, October 2008.
114. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, January 2009.
115. Division of Nephrology Grand Rounds. Introduction to Statistics. Division of Nephrology, Department of Medicine, Harbor-UCLA Medical Center, March 2009.
116. Department of Emergency Medicine Grand Rounds. Introduction to Statistics. Department of Emergency Medicine, Harbor-UCLA Medical Center, May 2009.
117. General Clinical Research Center Lecture Series. Data and Safety Monitoring. Harbor-UCLA Medical Center, November 2009.
118. Department of Emergency Medicine Grand Rounds. Pelvic Fractures. Harbor-UCLA Medical Center, February 2010.

LECTURES (Institutional, Since January 1, 1994, Continued):

119. Department of Emergency Medicine Grand Rounds. Pancreatitis. Harbor-UCLA Medical Center, May 2010.
120. All Los Angeles Emergency Medicine Conference. Sepsis Panel Moderator. Cedars-Sinai Medical Center, May 2010.
121. Department of Emergency Medicine Grand Rounds. Pancreatitis. Harbor-UCLA Medical Center, October 2010.
122. Department of Emergency Medicine Teaching Conference. Spontaneous Bacterial Peritonitis. Department of Emergency Medicine, Harbor-UCLA Medical Center, November 2010.
123. Department of Emergency Medicine Grand Rounds. Sepsis. Department of Emergency Medicine, Harbor-UCLA Medical Center, December 2011.
124. Department of Emergency Medicine Teaching Conference. Concussion Assessment. Harbor-UCLA Medical Center, February 2012.
125. Department of Emergency Medicine Grand Rounds. Pancreatitis. Harbor-UCLA Medical Center, April 2012.
126. Department of Biostatistics Seminar. Adaptive Clinical Trial Design. UCLA School of Public Health, Los Angeles, California, April 2012.
127. Department of Emergency Medicine Resident Orientation. Career Choices. Harbor-UCLA Medical Center, July 2012.
128. Scientific Advisory Board Presentation. A Bayesian Adaptive Trial for CER: Case Study in Status Epilepticus. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center, December 2012.
129. UCLA Clinical and Translational Science Institute (CTSI) Seminar. Value of Information Approach to Evaluating Research. David Geffen School of Medicine at UCLA, March 2013.
130. All City Emergency Medicine Conference. Data, Literature, and Community Doctors. Cedars-Sinai Medical Center, May 2013.
131. Department of Emergency Medicine Resident Orientation. Career Choices. Harbor-UCLA Medical Center, July 2013.
132. Clinical and Translational Research Workshop. An Introduction to Bayesian Adaptive Trial Design. Cedars-Sinai Samuel Oschin Comprehensive Cancer Institute, July 2013.
133. Department of Anesthesia Grand Rounds. An Introduction to Adaptive Clinical Trials. David Geffen School of Medicine at UCLA, January 2014.
134. Department of Emergency Medicine Teaching Conference. Sepsis Update. Harbor-UCLA Medical Center, September 2015.
135. Department of Medicine, Division of Infectious Diseases Grand Rounds. Adaptive and Platform Trials in Infectious Diseases. Harbor-UCLA Medical Center, January 2017.
136. Los Angeles Biomedical Research Institute President's Lecture. Platform Clinical Trials and the Transformation of Clinical Research. Los Angeles Biomedical Research Institute, October 2017.

LECTURES (Institutional, Since January 1, 1994, Continued):

137. Department of Emergency Medicine Teaching Conference. Assessment of Concussion in Sports. Harbor-UCLA Medical Center, December 2017.
138. National Management Association. Email Etiquette. Harbor-UCLA Medical Center, April 2018.
139. Department of Emergency Medicine Orientation. Career Advice for Fellows. Harbor-UCLA Medical Center, July 2018.
140. Department of Emergency Medicine Teaching Conference. 2019 Update on the Diagnosis and Management of Severe Sepsis and Septic Shock. Harbor-UCLA Medical Center, February 2019.
141. Department of Medicine Housestaff Conference. Introduction to Statistics. Harbor-UCLA Medical Center, February 2019.
142. Department of Emergency Medicine Faculty Retreat. Keynote Presentation. Harbor-UCLA Medical Center, August 2019.
143. Department of Emergency Medicine Teaching Conference. COVID-19 Update. Harbor-UCLA Medical Center, March 2020.
144. Department of Family Medicine Grand Rounds. Statistical Prediction of Healthcare Demand for COVID-19 in Los Angeles County. Harbor-UCLA Medical Center, April 2020
145. Department of Medicine Grand Rounds. Statistical Prediction of Healthcare Demand for COVID-19 in Los Angeles County. Harbor-UCLA Medical Center, April 2020
146. Department of Medicine Grand Rounds. Statistical Prediction of Healthcare Demand for COVID-19 in Los Angeles County. Harbor-UCLA Medical Center, August 2020

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2. **Lewis RJ**. Automatic Measurement of the Mean Lifetime of the Muon. *American Journal of Physics* 1982;50:894-895.
3. **Lewis RJ**, Huang JH, Pecora R. Rotational and Translational Motion of Supercoiled Plasmids in Solution. *Macromolecules* 1985;18:944-948.
4. **Lewis RJ**, Huang JH, Pecora R. Three Plasmids Constructed for the Production of Monodisperse Semistiff DNA Samples. *Macromolecules* 1985;18:1530-1534.
5. **Lewis RJ**, Pecora R, Eden D. Transient Electric Birefringence Measurements of the Rotational and Internal Bending Modes in Monodisperse DNA Fragments. *Macromolecules* 1986;19:134-139.
6. Bender TM, **Lewis RJ**, Pecora R. Absolute Rayleigh Ratios of Four Solvents at 488 nm. *Macromolecules* 1986;19:244-245.
7. **Lewis RJ**, Pecora R. Comparison of Predicted Rouse-Zimm Dynamics with Observations for a 2311 Base Pair DNA Fragment. *Macromolecules* 1986;19:2074-2075.
8. Sutherland BM, Oliveira OM, Ciarrocchi G, Brash DE, Haseltine WA, **Lewis RJ**, Hanawalt PC. Substrate Range of the 40,000-Dalton DNA-Photoreactivating Enzyme from *Escherichia coli*. *Biochemistry* 1986;25:681-687.
9. Ganesan AK, Seawell PC, **Lewis RJ**, Hanawalt PC. Processivity of T4 Endonuclease V is Sensitive to NaCl Concentration. *Biochemistry* 1986;25:5751-5755.
10. **Lewis RJ**, Pecora R, Eden D. Transient Electric Birefringence Measurements of the Rotational and Internal Motions of a 1010 Base Pair DNA Fragment-Field Strength and Pulse Length Effects. *Macromolecules* 1987;20:2579-2587.
11. **Lewis RJ**, Allison SA, Eden D, Pecora R. Brownian Dynamics Simulations of a Three-Subunit and a Ten-Subunit Wormlike Chain: Comparison of Results with Trumbell Theory and with Experimental Results from DNA. *Journal of Chemical Physics* 1988;89:2490-2503.
12. **Lewis RJ**, Bessen HA. Sequential Clinical Trials in Emergency Medicine. *Annals of Emergency Medicine* 1990;19:1047-1053.
13. Niemann JT, Cairns CB, Sharma J, **Lewis RJ**. Treatment of Prolonged Ventricular Fibrillation: Immediate Countershock Versus High-Dose Epinephrine and CPR Preceding Countershock. *Circulation* 1992;85:281-287.
14. **Lewis RJ**, Yee L, Inkelis S, Gilmore D. Clinical Predictors of Post-Traumatic Seizures in Children with Head Trauma. *Annals of Emergency Medicine* 1993;22:1114-1118.
15. Stock LM, Bradley GE, **Lewis RJ**, Baker DW, Stevens CD. Patients Who Leave Emergency Departments Without Being Seen by a Physician: Magnitude of the Problem in Los Angeles County. *Annals of Emergency Medicine* 1994;23:294-298.
16. Grover G, Berkowitz CD, **Lewis RJ**. Parental Recall After a Visit to the Emergency Department. *Clinical Pediatrics* 1994;33:194-201.

BIBLIOGRAPHY (Continued):

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19. Henneman PL, Mendoza R, **Lewis RJ**. Prospective Evaluation of Emergency Department Medical Clearance. *Annals of Emergency Medicine* 1994;24:672-677.
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22. Henneman PL, DeRoos F, **Lewis RJ**. Determining the Need for Admission in Patients with New-Onset Seizures. *Annals of Emergency Medicine* 1994;24:1108-1114.
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24. Henneman PL, **Lewis RJ**. Is Admission Medically Justified for All Patients with Acute Stroke or Transient Ischemic Attack? *Annals of Emergency Medicine* 1995;25:458-463.
25. Biros MH, **Lewis RJ**, Olson CM, Runge JW, Cummins RO, Fost N. Informed Consent in Emergency Research: Consensus Statement from the Coalition Conference of Acute Resuscitation and Critical Care Researchers. *JAMA* 1995;273:1283-1287.
26. Gausche M, Rutherford M, **Lewis RJ**. Emergency Department Quality Assurance/Improvement Practices for the Pediatric Patient. *Annals of Emergency Medicine* 1995;25:804-808.
27. Mulcahy B, Coates WC, Henneman PL, **Lewis RJ**. New-Onset Atrial Fibrillation: When is Admission Medically Justified? *Academic Emergency Medicine* 1996;3:114-119.
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30. de Virgilio C, Pak S, Arnell T, Donayre C, **Lewis RJ**, Stabile BE, White R. Cardiac Assessment Prior to Vascular Surgery: Is Dipyridamole-Sestamibi Necessary? *Annals of Vascular Surgery* 1996;10:325-329.

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32. Aghababian RV, Barsan WG, Bickell WH, Biros MH, Brown CG, Cairns CB, Callaham ML, Carden DL, Cordell WH, Dart RC, Dronen SC, Garrison HG, Goldfrank LR, Hedges JR, Kelen GD, Kellermann AL, Lewis LM, **Lewis RJ**, Ling LJ, Marx JA, McCabe JB, Sanders AB, Schriger DL, Sklar DP, Valenzuela TD, Waeckerle JF, Wears RL, White JD, Zalenski RJ. Research Directions in Emergency Medicine. *Annals of Emergency Medicine* 1996;27:339-342. [*This is a simultaneous publication of the reference above.*]
33. Aghababian RV, Barsan WG, Bickell WH, Biros MH, Brown CG, Cairns CB, Callaham ML, Carden DL, Cordell WH, Dart RC, Dronen SC, Garrison HG, Goldfrank LR, Hedges JR, Kelen GD, Kellermann AL, Lewis LM, **Lewis RJ**, Ling LJ, Marx JA, McCabe JB, Sanders AB, Schriger DL, Sklar DP, Valenzuela TD, Waeckerle JF, Wears RL, White JD, Zalenski RJ. Research Directions in Emergency Medicine. *American Journal of Emergency Medicine* 1996;14:681-683. [*This is a simultaneous publication of the reference above.*]
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38. Frank BS, **Lewis RJ**. Experience with Intubated Patients Does Not Affect the Accidental Extubation Rate in Pediatric Intensive Care Units and Intensive Care Nurseries. *Pediatric Pulmonology* 1997;23:424-428.
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51. Grover G, Berkowitz CD, **Lewis RJ**. The Clinical Utility of the Rectal-Skin Temperature Difference in the Assessment of Young Infants. *Academic Emergency Medicine* 1999;6:900-905.
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53. de Virgilio C, Toosie K, **Lewis RJ**, Stabile BE, Baker JD, White R, Donayre CE, Ephraim L. Cardiac Morbidity and Operative Mortality Following Lower-Extremity Amputation: The Significance of Multiple Eagle Criteria. *Annals of Vascular Surgery* 1999;13:204-208.
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55. Biros MH, Fish SS, **Lewis RJ**. Implementing the Food and Drug Administration's Final Rule for Waiver of Informed Consent in Certain Emergency Research Circumstances. *Academic Emergency Medicine* 1999;6:1272-1282.
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