

Curriculum Vitae

Last Updated: 05/31/2011

PERSONAL DATA

Name: Samuel M. Brown
Citizenship: United States

EDUCATION

<u>Years</u>	<u>Degree</u>	<u>Institution (Area of Study)</u>
1990 - 1996	A.B.	Harvard College (Linguistics and Russian) Cambridge, MA
1996 - 2001	M.D.	Harvard Medical School (Medicine) Boston, MA
2001 - 2002	Intern	Massachusetts General Hospital (Internal Medicine) Boston, MA
2002 - 2004	Resident	Massachusetts General Hospital (Internal Medicine) Boston, MA
2006 - 2009	M.S.	University of Utah (Clinical Investigation) Salt Lake City, UT
2006 - 2009	Fellow	University of Utah (Pulmonary and Critical Care Medicine) Salt Lake City, UT

BOARD CERTIFICATIONS

08/01/2004	American Board of Internal Medicine, Current
10/01/2008	American Board of Internal Medicine (Sub: Pulm Diseases), Current
10/26/2009	American Board of Internal Medicine (Sub: Critical Care Medicine), Current
10/26/2009	National Board of Echocardiography (Special Competence in Adult Echocardiography), Testamur

CURRENT LICENSES/CERTIFICATIONS

2006 - Present	State License (UT)
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ACADEMIC HISTORY

Internal Medicine (Pulmonary)

10/05/2009 Hire, Tenure Track, Assistant Professor

PROFESSIONAL EXPERIENCE

Full Time Positions

2004 - 2006	Instructor in Medicine, Harvard Medical School, Boston, MA
2004 - 2006	Assistant in Medicine (Hospitalist), Massachusetts General Hospital, Boston, MA
2009 - Present	Attending Pulmonary/Intensivist, Shock Trauma ICU, Intermountain Medical Center, Salt Lake City, UT

Part Time Positions

1999 - 2002	Consultant, Infection Control and Clinical Quality Improvement, American International Health Alliance and Harvard Medical International, Boston, MA
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- 1999 - 2001 Director of Medical Informatics, Vecna Technologies, College Park, MD
 2000 - 2005 Resident Tutor in Medicine, Linguistics, and Slavic Studies, Harvard College, Cambridge, MA
 2000 - 2001 Consultant, Infection Control and Quality Improvement, University of Alabama School of Public Health, AL
 2001 - Present Special Consultant and Chief Medical Advisor, Vecna Technologies, Cambridge, MA
 2004 - 2006 Consultant in Medicine, Massachusetts Eye and Ear Infirmary, Boston, MA

Editorial Experience

Reviewer Experience

- Reviewer for American Journal of Respiratory and Critical Care Medicine
 Reviewer for Chest
 Reviewer for Critical Care
 Reviewer for Respiriology

SCHOLASTIC HONORS

- 1993 - 1996 John Harvard Scholar, Harvard University
 1993 - 1996 Samuel Eliot Morison Scholar, Harvard University
 1995 Visiting Committee Book Collecting Prize, Harvard University
 1995 Phi Beta Kappa, junior inductee (Marshall)
 1996 - 2001 Harvard Medical School National Scholar
 1996 Joseph Garrison Parker Prize, Harvard University
 2000 Massachusetts Medical Society Scholar
 2001 Rosa Seegal Research Prize, Harvard Medical School
 2001 Soma Weiss speaker, Harvard Medical School
 2002 First Recipient of the Mentor Award, Society of Healthcare Epidemiology of America
 2009 Loan Repayment Recipient, National Institute of General Medical Sciences
 2009 American Thoracic Society, Travel Grant Recipient

ADMINISTRATIVE EXPERIENCE

Administrative Duties

- 2010 - Present Assistant Director, Critical Care Echocardiography Service, Intermountain Medical Center, Murray, UT, USA
 2011 - Present Assistant Director, Intermountain Critical Care Echocardiography Core Laboratory, Murray, Utah, USA

Professional Organization & Scientific Activities

Grant Review Committee/Study Section

- 2011 - Present Scientific Review Committee, Deseret Research Foundation, Salt Lake City, UT USA

Symposium/Meeting Chair/Coordinator

PROFESSIONAL COMMUNITY ACTIVITIES

- 2000 - 2003 Member, American International Health Alliance, Infection Control Initiative Steering Committee
 2000 - 2001 Member, Infection Control Advisory Network, Inc., International Advisory Board
 2000 - 2001 Visiting Research Fellow, Saint Petersburg State Mechnikov Medical Academy, Department of Epidemiology, Hospital Epidemiology

2002 - 2005 Fellow, Harvard University, Center Associate, Davis Center for Russian Studies, Boston, MA

UNIVERSITY COMMUNITY ACTIVITIES

Division Level

2009 - Present Division Associate, Medical Ethics and Humanities, Humanities

SERVICE AT AFFILIATED INSTITUTIONS

SERVICE AT PREVIOUS INSTITUTIONS

2000 - 2005 Co-Chair, Harvard College, Leverett House, Health Professions Advisory Committee

2001 - 2004 Member, Massachusetts General Hospital, Teaching and Training Council, Department of Medicine, Boston, MA

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Massachusetts Medical Society

American Thoracic Society

Society of Critical Care Medicine

American Society of Echocardiography

FUNDING

Active Grants

01/01/08 - Present Critical-care echocardiography: diagnostic and management applications in patients with sepsis, septic shock, and respiratory failure

Principal Investigator: Colin K. Grissom

Deseret Foundation

Role: Co-Investigator

01/01/08 - Present PRoCESS Study: Multicenter randomized evaluation of early goal-directed therapy for sepsis

Principal Investigator: Derek Angus

National Institute of General Medical Sciences

Role: Site co-investigator

08/01/09 - Present Endophenotyping Septic Shock

Principal Investigator: Samuel M. Brown

Direct Costs: \$26,270 Total Costs: \$26,270

Deseret Foundation

Role: Principal Investigator

07/01/10 - Present Dynamic Parameters of Fluid Responsiveness in Early Resuscitation of Severe Sepsis and Septic Shock

Principal Investigator: Samuel M. Brown

Direct Costs: \$17,300 Total Costs: \$17,300

Deseret Foundation and Heart Lung Institute

Role: Principal Investigator

09/16/10 - 09/30/15 Cardiovascular Variability and Control in Early Sepsis: 1K23GM094465

Principal Investigator: Samuel M. Brown

Direct Costs: \$597,447 Total Costs: \$645,243

NIH National Institute of General Medical Sciences (NIGMS)

Role: Principal Investigator

Pending Grants

Past Grants

- 01/01/99 - 12/31/00 WHONET-based surveillance of clinical antibiotic resistance in hospitals.
Supervised data collection and analysis from FSU WHONET system
American International Health Alliance
Principal Investigator: Thomas O'Brien, MD
United States Agency for International Development (USAID)
Role: Co-Investigator
- 01/01/99 - 12/31/00 Hand hygiene in the neonatal ICU.
American International Health Alliance
Principal Investigator: Edward O'Rourke, MD
United States Agency for International Development (USAID)
Role: Co-Investigator
- 01/01/00 - 12/31/04 1 R43 AI48332. Techniques for automated detection of nosocomial outbreaks.
Principal Investigator: Daniel Theobald, MS
National Institute of Allergy and Infectious Diseases
Role: Co-Investigator (phase 1) and consultant (phase 2/3)
- 01/01/08 - 01/01/11 Modeling intensive therapy and illness severity in community-acquired pneumonia
Principal Investigator: Nathan Dean, M.D.
Deseret Foundation
Role: Co-Investigator

Active Contracts

- 05/01/11 - Present Echocardiographic Findings in Septic Shock, sub-study of multi-center trial of
talactoferrin in severe sepsis and septic shock.
Principal Investigator: Samuel M. Brown
Agennix, Inc.
Role: Principal Investigator

Pending Contracts

Past Contracts

- 01/01/07 - 12/31/09 Automating surveillance for healthcare-associated infections
Office of Public Health Surveillance and Research
Principal Investigator: Daniel Theobald
VA/US Veteran's Administration
Role: Consultant to Vecna Technologies, Inc.

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Education Administration

Course and Curriculum Development

Courses Directed

Course Lectures

Clinical Teaching

- Spring 2006 Preceptor, Patient-Doctor II, Harvard Medical School, Boston, MA
2009 - Present Supervision and instruction of medical students and house staff, Shock Trauma ICU,
Intermountain Medical Center.

Laboratory Teaching

Small Group Teaching

- 1994 - 1997 Fellow, Harvard Extension School (Teaching Fellow in Inorganic Chemistry),
Boston, MA

- 2007 - 2008 Small Group Discussion Faculty, Pulmonary Physiology, University of Utah School of Medicine
- 2010 - Present Medical Ethics: Internal Medicine 7560, University of Utah School of Medicine, Small Group Discussion Faculty.

Trainee Supervision

Graduate Student Committees

Educational Lectures

Didactic Lectures

- 2009 - Present Physiology and Management of Sepsis, Shock Trauma ICU, Intermountain Medical Center, Murray, UT, USA. Monthly lecture to fellows, residents, interns, and students in the ICU on the pathophysiology and treatment of sepsis and septic shock. Every other month, I deliver a second, more advanced lecture to the same audience.
- 2009 - Present Echocardiography in the ICU, Shock Trauma ICU, Intermountain Medical Center, Murray, UT, USA. Various lectures as part of the monthly critical care echocardiography conference.

Continuing Education

CE Courses Developed

- 2009 - Present Co-developed Critical Care Echocardiography, Intermountain Medical Center, annual CME course. Course Director is Colin Grissom, MD.

CE Courses Taught

- 2009 Critical Care Echocardiography, Lecture on Physics of Ultrasound, Intermountain Healthcare, practicing and trainee physicians, approximately 30 participants.
- 2010 Associate Course Faculty, Perioperative Echocardiography Course at Intermountain Medical Center, National Academy of Perioperative Echocardiography, practicing physicians, intensive course offered once, for 6 physicians.
- 2010 - 2011 Difficult Airway Course, Lecture on Video Laryngoscopy, Intermountain Healthcare, an annual course for practicing physicians and trainee physicians, approximately 30 participants.
- 2010 - Present Course Faculty, Fundamentals of Critical Ultrasound Course, Hypovolemia and Fluid Responsiveness, Society of Critical Care Medicine, Semiannual Course (summer and winter), taken by practicing physicians and APCs, 80-120 participants.
- 2010 Critical Care Echocardiography, Lecture on LV Diastolic Function, Intermountain Healthcare, practicing and trainee physicians, approximately 30 participants.
- 2011 - Present Echocardiography for Intensivists and Emergency Medicine Clinicians, Assessment of Fluid Responsiveness, Harvard Medical School, Annual Course, practicing and trainee physicians, approximately 50 participants.
- 2011 - Present Course Faculty, Advanced Critical Ultrasound Course, Society of Critical Care Medicine, Annual Course, taken by practicing physicians, 80-120 participants.

Other Educational Activities

PEER-REVIEWED JOURNAL ARTICLES

1. **Brown SM**, Benneyan JC, Theobald DA, Sands K, Hahn MT, Potter-Bynoe GA, Stelling JM, O'Brien TF, Goldmann DA. (2002). Binary cumulative sums and moving averages in nosocomial infection cluster detection. *Emerg Infect Dis*, 8(12), 1426-32.
2. **Brown SM**, Lubimova AV, Khrustalyeva NM, Shulaeva SV, Tekhova I, Zueva LP, Goldmann D, O'Rourke EJ. (2003). Use of an alcohol-based hand rub and quality improvement interventions to improve hand hygiene in a Russian neonatal intensive care unit. *Infect Control Hosp Epidemiol*, 24(3), 172-9.

3. **Brown SM**, Eremin SR, Shlyapnikov SA, Petrova EA, Shirokova LV, Goldmann D, O'Rourke EJ. (2007). Prospective surveillance for surgical site infection in St. Petersburg, Russian Federation. *Infect Control Hosp Epidemiol*, 28(3), 319-25.
4. **Brown S**, Kurtsikashvili G, Alonso-Echanove J, Ghadua M, Ahmeteli L, Bochoidze T, Shushtakashvili M, Eremin S, Tsertsvadze E, Imnadze P, O'Rourke E. (2007). Prevalence and predictors of surgical site infection in Tbilisi, Republic of Georgia. *J Hosp Infect*, 66(2), 160-6.
5. **Brown SM**, Jones BE, Jephson AR, Dean NC. (2009). Validation of the Infectious Disease Society of America/American Thoracic Society 2007 guidelines for severe community-acquired pneumonia. *Crit Care Med*, 37(12), 3010-6.
6. Miller RR 3rd, Markewitz BA, Rolfs RT, **Brown SM**, Dascomb KK, Grissom CK, Friedrichs MD, Mayer J, Hirshberg EL, Conklin J, Paine R 3rd, Dean NC. (2010). Clinical findings and demographic factors associated with ICU admission in Utah due to novel 2009 influenza A(H1N1) infection. *Chest*, 137(4), 752-8.
7. Grissom CK, **Brown SM**, Kuttler KG, Boltax JP, Jones J, Jephson AR, Orme JF Jr. (2010). A modified sequential organ failure assessment score for critical care triage. *Disaster Med Public Health Prep*, 4(4), 277-84.
8. **Brown SM**, Pittman J, Miller Iii RR, Horton KD, Markewitz B, Hirshberg E, Jones J, Grissom CK. (2011). Right and left heart failure in severe H1N1 influenza A infection. *Eur Respir J*, 37(1), 112-8.
9. Jones BE, Jones J, Bewick T, Lim WS, Aronsky D, **Brown SM**, Boersma WG, van der Eerden MM, Dean NC. (2011). CURB-65 Pneumonia Severity Assessment Adapted for Electronic Decision Support. *Chest*, 140(1), 156-163.
10. Dean NC, Jones JP, Aronsky D, **Brown S**, Vines CG, Jones BE, Allen T. (2011). Hospital Admission Decision for Patients With Community-Acquired Pneumonia: Variability Among Physicians in an Emergency Department. *Ann Emerg Med*. (Epub ahead of print).

NON PEER-REVIEWED JOURNAL ARTICLES

REVIEW ARTICLES

1. **Brown SM**, Dean NC. (2010). Defining and predicting severe community-acquired pneumonia. [Review]. *Curr Opin Infect Dis*, 23(2), 158-64.
2. **Brown SM**, Dean NC. (2011). Defining severe pneumonia. [Review]. *Clin Chest Med*, 32(3), 469-79.

BOOKS

BOOK CHAPTERS

CONFERENCE PROCEEDINGS

1. Adler FR, Aurora P, Barker DH, Barr ML, Blackwell LS, Bosma OH, **Brown S**, Cox DR, Jensen JL, Kurland G, Nossent GD, Quittner AL, Robinson WM, Romero SL, Spencer H, Sweet SC, van der Bij W, Vermeulen J, Verschuuren EA, Vrijlandt EJ, Walsh W, Woo MS, Liou TG. (2009). Lung transplantation for cystic fibrosis. *Proc Am Thorac Soc*, United States, 6(8), 619-33.

OTHER (Commentary/Letters/Editorials/Case Reports/Video/Film)

Case Reports

1. **Brown SM**, Miller D, Vezina D, Dean NC, Grissom CK. (2011). Horses and Zebras: Complex Cardiac Anatomy in a Patient with Out-of-hospital Cardiac Arrest. *Crit Ultrasound J*, 3(1), 29-31.

Editorials

1. **Brown SM**, Waterer GW. (2011). Vitamin D: stronger lungs as well as stronger bones?

Respirology, 16(4), 577-8LID - 10.1111/j.1440-1843.2011.01947.x [doi].

Letters

1. **Brown SM.** (2006). Response to A New Approach to Drug Development [Letter to the editor]. *N Engl J Med*, 355(19), 2045.
2. **Brown SM.** (2007). Tiotropium in Combination with Placebo, Salmeterol, or Fluticasone–Salmeterol for Chronic Obstructive Pulmonary Disease: Possible Confounding Effect of Treatment Withdrawal [Letter to the editor]. *Ann Intern Med*, 147(12), 882.
3. **Brown SM.** (April 2010). Distinguishing Messenger from Message in Delivering Bad News [Letter to the editor]. *Am J Respir Crit Care Med*, 181(8), 873.
4. **Brown S, Morris A.** (2011). Understanding and applying probabilities at the sickbed [Letter to the editor]. *Crit Care Med*, 39(8), 2017-8; author reply 2018.

Other

1. **Brown SM.** (1999). WHONET 5.0/BacLink 2.0, Russian Translation. WHO Collaborating Center for Antimicrobial Resistance. Boston, MA.

Video/Film/CD/Web/Podcast

1. **Brown SM, Eremin SR, O'Rourke EJ, Zueva LP, et al.** (2000). Hospital Epidemiologist's Workstation. Versions 1.0-2.1, February 2001. [Web]. Washington, DC: American International Health Alliance. Available: <http://www.aiha.com/ws>.

PENDING PUBLICATIONS

Abstracts

1. Tate Q, **Brown SM**, Jones J, Kuttler K, Li Y, Grissom CK, Mathews VJ. (In Press). Predicting Early Vasopressor Independence with Coarsely Sampled Arterial Blood Pressure in Severe Sepsis and Septic Shock [Abstract]. *Shock*.

RECENTLY PUBLISHED ABSTRACTS (Last 3 Years)

1. **Brown SM**, Jones BE, Jephson AR, Dalto J, Crapo S, Martial M, Dean NC. (2008). Intensive therapy and ICU admission in community-acquired Pneumonia (CAP). Poster (403), Society of Critical Care Medicine, Nashville, TN 2009 [Abstract]. *Critical Care Medicine*, 36(12), A99.
2. Oda G, **Brown SM**, Noppenberger J, Holodniy M. (2008). Validation of an Automated Electronic Algorithm for Detection of Healthcare-Associated Bloodstream Infection. Poster at 48th Annual Conference of Infectious Disease Society of America, October 2008 [Abstract].
3. Jones BE, **Brown SM**, Snow G, Crapo S, Martial M, Jephson AR, Jones J, Glezos C, Gundlapalli A, Dean NC. (2009). Assessing for Community Acquired Pneumonia Severity in the Homeless Population. Infectious Disease Society of America, 2009 [Abstract].
4. Oda G, Schirmer P, **Brown SM**, Cook J, Rangel M, Holodniy. (2009). Preliminary Validation of an Electronic Surveillance Algorithm for Detection of Healthcare-Associated Urinary Tract Infection. Society of Healthcare Epidemiology of America meeting, March 2009 [Abstract].
5. Jones BE, **Brown SM**, Jephson AR, Dean NC. (2009). Computerized Pneumonia Risk Assessment Using Electronic Medical Records Predicts Mortality More Accurately Than CURB-65. Poster (3553) at American Thoracic Society meeting, May 2009 [Abstract].
6. **Brown SM**, Jephson AR, Jones BE, Crapo S, Dalto J, Dean NC. (2009). Effect of Delayed ICU Admission on Patients with Severe Community-Acquired Pneumonia (SCAP). Oral presentation (2660) at American Thoracic Society meeting, May 2009, recipient of Travel Grant award [Abstract].
7. **Brown SM**, Jones BE, Jephson AR, Crapo S, Dalto J, Dean NC. (2009). Validating the ATS-IDSA 2007 Predictors of Severe Community-Acquired Pneumonia (SCAP). Oral presentation (3470) at American Thoracic Society meeting, May 2009, recipient of Travel Grant award [Abstract].

AJRCCM.

8. Pittman J, Grissom C, **Brown SM**, Cole C, Hirshberg E, White T. (November 2009). Advanced Critical Care Transthoracic Echocardiography in Sever Sepsis and Septic Shock [Abstract]. *American College of Chest Physicians*.
9. Oda G, **Brown SM**, Cook J, Holodniy M. (Marach 2010). Validity of Electronic Criteria for Detection of Ventilator-Associated Pneumonia [Abstract]. *Fifth Decennial International Conference on Health-Care Associated Infections*.
10. Pittman J, **Brown SM**, Horton K, Mallin M, Grissom C. (April 2010). Transthoracic Echocardiography in the Early Resuscitation of Severe Sepsis and Septic Shock [Abstract]. *Society of Critical Care Medicine*.
11. Miller R, **Brown SM**, Dascomb K, Dean NC. (May 2010). Overestimation of Mortality by a SOFA-Based Influenza Triage Tool Compared to the Rate of Intensive Care Unit Mortality Experienced during the Early 2009 Novel H1N1 Influenza Epidemic in Utah [Abstract]. *American Thoracic Society*.
12. Dean NC, Jones J, **Brown SM**, Jones B, Allen T, Jephson AR. (5/2010). Severe CAP Criteria as Combined Tools for Emergency Department Triage [Abstract]. *American Thoracic Society*.
13. Pittman J, Grissom C, **Brown SM**, Hirshberg E, Horton K, White T. (May 2010). Transthoracic Echocardiography in Severe Sepsis/Septic Shock in the Setting of Early Goal Directed Therapy [Abstract]. *AJRCCM*, 181(1), A4582.
14. Dean NC, Jones J, **Brown SM**, Jones B, Allen T, Jephson AR. (May 2010). Variability in Rate of Hospital Admission Among Patients with Community -Acquired Pneumonia Seen by Different Emergency Department Physicians [Abstract]. *AJRCCM*.
15. Lanspa M, **Brown SM**, Grissom C, Morris P, Malik R, Pittman J, Dean N. (May 2011). Talactoferrin may confer increased survival in patients with septic shock and systolic cardiac dysfunction [Abstract]. *Critical Care Medicine*, 38(12 suppl), A757.
16. Lanspa M, **Brown SM**, Jones J, Pittman J, Grissom C. (2011). Dynamic parameters predict hemodynamic response to a fluid challenge in non-mechanically ventilated patients with septic shock [Abstract]. *Am J Respir Crit Care Med*, 183(5), A4674.
17. Lanspa M, Li Y, **Brown S**, Jephson A, Austin A, Dean N. (2011). Examining infectious pathogens in health-care associated aspiration pneumonia and community acquired aspiration pneumonia [Abstract]. *Am J Respir Crit Care Med*, 183(5), A4858.
18. **Brown SM**, Lanspa M, Jones J, Li Y, Kuttler K, Hirshberg E, Grissom C. (2011). Outcomes after high-dose intravenous vasopressor administration in patients with shock [Abstract]. *Am J Respir Crit Care Med*, 183(5), A3169.
19. Lanspa M, **Brown S**, Li Y, Jephson A, Jones B, Dean N. (2011). Patients designated as aspiration pneumonia have higher illness severity than typical community-acquired pneumonia [Abstract]. *Am J Respir Crit Care Med*, 183(5), A4841.
20. Lanspa M, **Brown SM**, Li Y, Pittman J, Jones J, Grissom C. (2011). Utility of central venous pressure and shock index in predicting hemodynamic response to fluid challenge in patients with septic shock [Abstract]. *Am J Respir Crit Care Med*, 183(5), A4684.
21. Behera S, **Brown SM**, Jones J, Lanspa M, Kuttler K, Mathews VJ. (2011). Normalized Low Frequency Power of Heart Rate Variability Correlates Negatively With the SOFA Score in Severe Sepsis and Septic Shock [Abstract]. *Chest*, 140(4), 427A.

UNPUBLISHED POSTER PRESENTATIONS

1. Mallin M, Pittman J, Youngquist S, **Brown SM**, Horton K, Grissom CK. (10/2010). *Transthoracic Echocardiographic Assessment of Preload and Cardiac Function in the Early Resuscitation of Severe Sepsis and Septic Shock*. Poster session presented at American College of Emergency Physicians, Las Vegas, NV.
2. **Brown SM**, Lanspa M, Jones J, Li Y, Kuttler K, Hirshberg E, Grissom CK. (Spring 2011). *Outcomes*

- after high-dose intravenous vasopressor administration in patients with shock. Poster session presented at American Thoracic Society 2011, Denver, CO.
3. Lanspa M, Li Y, Jephson A, **Brown SM**, Austin A, Dean NC. (Spring 2011). *Examining infectious pathogens in health-care associated aspiration pneumonia and community acquired aspiration pneumonia*. Poster session presented at the American Thoracic Society Meeting, Denver, CO.
 4. Lanspa M, Jones B, **Brown SM**, Li Y, Jephson A, Dean NC. (Spring 2011). *Patients designated as aspiration pneumonia have higher illness severity than typical community-acquired pneumonia*. Poster session presented at the American Thoracic Society Meeting, Denver, CO.
 5. Lanspa M, **Brown SM**, Li Y, Pittman J, Jones J, Grissom CK. (Spring 2011). *Utility Of Central Venous Pressure And Shock Index In Predicting Hemodynamic Response To Fluid Challenge In Patients With Septic Shock*. Poster session presented at the American Thoracic Society Meeting, Denver, CO.

ORAL PRESENTATIONS

Keynote/Plenary Lectures

Meeting Presentations (Not Published Abstracts and Not Unpublished Posters)

International

- 2010 "Mis-Triage" of Patients with Severe CAP—Does it Make a Difference?. American Thoracic Society, New Orleans, LA, USA

Invited/Visiting Professor Presentations

International

- 1999 Mechnikov State Medical Academy, St. Petersburg, Russia. Surveillance of antimicrobial resistant organisms
- 2000 Research Center for Clinical Pharmacology and Antimicrobial Resistance, Smolensk, Russia. Invited Lecture: Antimicrobial resistance and prophylaxis of surgical infections
- 2000 Mechnikov State Medical Academy, St. Petersburg, Russia. Computer tools for epidemiologic investigations
- 2000 National Hospital, Tbilisi, Georgia. Surgical infections and their prevention
- 2000 AIHA Infection Control Training Course, Tbilisi, Georgia. Risk-stratification in nosocomial infection surveillance
- 2001 City Health Department, Moscow, Russia. Invited Lecture: Methods for accurate surveillance of nosocomial infections

National

- 1999 AIHA Annual Meeting, Washington, DC. Computerized databases and electronic surveillance of infections
- 2010 Ethics at the Personal: Professional Interface, Collegium Aesculapium, Salt Lake City, UT

Local/Regional

- 2002 Bioinformatics Data Sharing Meeting, Children's Hospital Boston. Invited lecture on methods for automated outbreak detection
- 2003 Methods in Infectious Disease Epidemiology Course, Harvard School of Public Health. Invited lecture on automated outbreak detection
- 2010 - Present Ethics at the Deathbed, invited lecture for Biology 370, Bioethics, at Brigham Young University, Provo, Utah, USA. Lecture given each semester by recurring invitation.
- 2010 Critical Care Echocardiography: Applications, Evidence, and Anecdotes. Cardiac Sonographer Series, Intermountain Healthcare, Salt Lake City, UT

Grand Rounds Presentations

- 2000 City Hospitals 4 and 26, St. Petersburg, Russia. Grand Rounds: Surgical Site Infections and Antimicrobial prophylaxis
- 2000 City Hospitals 12 and 20, Almaty, Kazakhstan. Grand Rounds: Surgical site infections: incidence, predictors, and prevention
- 2000 National Sanitary Epidemic Service, Almaty, Kazakhstan. Grand Rounds: Modern methods of nosocomial infection surveillance
- 2004 Bedford Veteran's Administration Hospital. Medical Grand Rounds: Control of Emerging Respiratory Infections in Outpatient Practice
- 2006 University of Utah Health Sciences Center. Pulmonary Grand Rounds: The RAGE Axis in Critical Illness
- 2007 University of Utah Health Sciences Center. Pulmonary Grand Rounds: The safety and efficacy of surgery in endocarditis complicated by septic cerebral embolism
- 2008 University of Utah Health Sciences Center. Pulmonary Grand Rounds: Evaluating prognostic models in critical care
- 2008 Intermountain Medical Center. Neurosciences Grand Rounds: Controversies surrounding cerebral salt wasting
- 2008 University of Utah Health Sciences Center. Pulmonary Grand Rounds: Distinguishing septic from non-infectious shock
- 2009 University of Utah Health Sciences. Pulmonary Grand Rounds: Miliary tuberculosis
- 2009 University of Utah Health Sciences. Pulmonary Grand Rounds: The ethics of withdrawal of life support after attempted suicide.
- 2010 Vasopressor Use in Septic Shock Complicating Pregnancy. University of Utah, Pulmonary and Critical Care Medicine.
- 2011 The Complex Hemodynamics of Sepsis. University of Utah Internal Medicine Grand Rounds, Salt Lake City, UT, USA
- 2011 Septic Shock. Infectious Disease Grand Rounds, University of Utah Health Sciences Center, Salt Lake City, Utah USA

Industrial Presentations

- 2001 Presenter, Vecna Technologies, Inc., Bug Cruncher: methods for automated outbreak detection. Annual Conference

Outreach Presentations

OTHER SCHOLARLY ACTIVITY