

CURRICULUM VITAE

PERSONAL DATA

Name: Sanjay Saint, MD, MPH
Current Position: Professor of Internal Medicine, University of Michigan
Email: saint@umich.edu
Phone: 734.615.8341

EDUCATION

Sept. 1983- June 1988 Undergraduate, University of California, Irvine
BA (Political Science), BS (Biology)
July 1988 – June 1992 UCLA School of Medicine, MD
July 1996 – June 1998 University of Washington School of Public Health,
MPH

POSTDOCTORAL TRAINING

June 1992 – June 1993 Internship, University of California, San Francisco - San
Francisco, California, categorical medicine
July 1993 – June 1995 Residency, University of California, San Francisco - San
Francisco, California, categorical medicine
June 1995 – June 1996 Chief Medical Resident, University of California, San Francisco
(San Francisco VA Medical Center)
July 1996 – June 1998 Fellowship, Robert Wood Johnson Clinical Scholars Program,
University of Washington, Seattle, Washington

SENIOR POSTDOCTORAL TRAINING

Sept 2007 – June 2008 Visiting Professor, University of Florence Medical School,
Florence, Italy. Area of study: Diffusion of innovation in a
centralized system of healthcare with a focus on patient safety
and hospital-acquired infection prevention

ACADEMIC APPOINTMENTS

July 1998 – Aug 1999 Lecturer, Department of Internal Medicine, Division of General
Medicine, University of Michigan Health System, Ann Arbor,
Michigan

Sept 1999 – Aug 2002	Assistant Professor of Medicine, Department of Internal Medicine, Division of General Medicine, University of Michigan Health System, Ann Arbor, Michigan
Sept 2002 – Aug 2006	Associate Professor of Medicine (with tenure), Department of Internal Medicine, University of Michigan Health System, Ann Arbor, Michigan
Sept 2006 - present	Professor of Medicine (with tenure), Department of Internal Medicine, Division of General Medicine, University of Michigan Health System, Ann Arbor, Michigan

ACADEMIC ADMINISTRATIVE APPOINTMENTS

Director, Patient Safety Enhancement Program, Ann Arbor VA Medical Center & University of Michigan Health System

Senior Associate Division Chief, Division of General Internal Medicine

Acting Chief of Medicine, Ann Arbor VA Medical Center (Dec 1, 2005 – May 31, 2006; permanent Chief of Medicine was on sabbatical)

Associate Chief of Medicine, Ann Arbor VA Medical Center

CLINICAL/HOSPITAL APPOINTMENTS

July 1998 – present	Ann Arbor VA Medical Center
July 1998 – present	University of Michigan Medical Center

SCIENTIFIC ACTIVITIES

Editorial Boards

Agency for Healthcare Research and Quality (AHRQ) Web Morbidity & Mortality Rounds
 American Journal of Infection Control
 American Journal of Medicine (2003 - 2010)
 Annals of Internal Medicine
 Infection Control and Hospital Epidemiology
 Journal of Clinical Outcomes Management
 Journal of Hospital Medicine (2006 - 2010)
 Journal of Patient Safety

Study Sections

CDC – Chair, Applied Research on Antimicrobial Resistance Study Section (July 2004)
 CDC – Chair, Epi-Centers for Prevention of Healthcare-Associated Infections (Dec 2005)
 Agency for Healthcare Research and Quality – SBIR (Ad hoc Reviewer)
 Blue Cross Blue Shield of Michigan Foundation Study Section (Grants Advisory Panel)
 National Institute on Aging (NIA/NIH) – site visit member for University of Chicago P01

grant, 2003 and 2004
Seattle VA Medical Center's Epidemiological Research Information Center Pilot Grants
(Ad hoc Reviewer)
Society of Hospital Medicine (Heart Failure Grant Review Panel)
The Physicians' Services Incorporated Foundation (Ad hoc Reviewer)
University of Michigan Faculty Grants and Awards (Reviewer)
University of Michigan New Pilot and Collaborative Grant Program for Translational
and Clinical Research (Reviewer)
National Medical Research Council - Singapore (Reviewer)
Society of Hospital Medicine Junior Faculty Development Award Review Committee
(Chairman)

Journal Section Co-Editor

"Current Methodological Concepts" - American Journal of Infection Control

Journal Reviewer

Academic Medicine (2003-2005)
American Journal of Infection Control (1996, 1998, 2001-2005, 2009, 2010)
American Journal of Managed Care (1999, 2000, 2005, 2006)
American Journal of Medicine (1996, 1998, 2000-2004, 2006, 2009, 2010)
American Journal of Respiratory and Critical Care Medicine (2003)
American Journal of Respiratory Medicine (2003)
Annals of Internal Medicine (2003-2010)
Antimicrobial Agents and Chemotherapy (2000)
Archives of Internal Medicine (2001, 2009)
Archives of Pediatrics and Adolescent Medicine (2001)
British Medical Journal (2005)
Canadian Medical Association Journal (2007)
Clinical Infectious Diseases (2001, 2003-2005, 2007)
Diabetologia (2001)
European Journal of Clinical Microbiology and Infectious Diseases (2001-2003)
Health Affairs (2005)
Infection Control and Hospital Epidemiology (2000, 2001, 2005-2010)
Intensive Care Medicine (2002, 2006)
Journal of Clinical Epidemiology (2000)
Journal of Clinical Outcomes Management (2001-2003)
Journal of General Internal Medicine (2002-2006)
Journal of Hospital Medicine (2006, 2009, 2010)
Journal of Infectious Diseases (2000)
Journal of Patient Safety (2006-2007, 2009-2010)
Journal of the American Board of Family Practice (2004)
JAMA (2000-2009)
Lancet (2000, 2002, 2010)
Medical Care (2001, 2002, 2005)
Medical Principles and Practice (2009)
New England Journal of Medicine (2005, 2010)

Pharmacoepidemiology and Drug Safety (2001)
Quality and Safety in Health Care (a BMJ group Journal) (2010)
Southern Medical Journal (2006)
The Joint Commission Journal on Quality and Safety (2003-2005)
Urology (2001)

Other Journal Activities

Special Correspondent, The New England Journal of Medicine

Present and Active

Principal Investigator, Implementing Evidence to Prevent Urinary Infection and Enhance Patient Safety – R01. 7/1/08 – 4/30/12; National Institutes of Health - \$1,714,114.
Principal Investigator, Predictors of Hospital-Acquired Urinary Tract-Related Bloodstream Infection – R21. 7/1/08 – 6/30/11; National Institutes of Health - \$418,000.
Principal Investigator, Translating Healthcare-Associated Research Into Practice Survey. 2/1/09 – 7/31/10; Blue Cross Blue Shield of Michigan Foundation - \$75,000.
Co-Principal Investigator, Redesigning the System of Care for Hospitalized Medical Patients. 1/1/10 – 9/30/12; Department of Veterans Affairs (VA) - \$1,350,000.
Co-Investigator, Robert Wood Johnson Clinical Scholars Program. 7/1/05 – 6/30/12; Robert Wood Johnson Foundation - \$507,500.
Co-Investigator, The Impact of Discontinuity of Care on Hospitalized Patients - VA Merit Grant. 7/1/08 – 6/30/11; VA HSR&D Service - \$627,300.

Previous

Principal Investigator, Preventing Urinary Tract Infection using Silver-Coated Urinary Catheters: A Cost-Effectiveness Analysis. 12/97 – 6/99; Association for Practitioners of Infection Control - \$4,680.
Co-Principal Investigator, VA Merit Review: Risk Factors for Nosocomial Bacteremia Related to Urinary Tract Infection: A Case-Control Study. 10/97-10/00; VA Epidemiologic Research Information Center (ERIC) Grant - \$61,993.
Co-Principal Investigator, Minocycline/Rifampin versus Chlorhexidine/Silver Sulfadiazine Coated Central Venous Catheters: A Cost-effectiveness Analysis. 1/00 – 12/00; Association for Practitioners of Infection Control - \$8,964.
Co-Principal Investigator, Chlorhexidine versus Povidone-Iodine Solution for Central Venous Catheter Site Care: A Meta-analysis and Cost-effectiveness Analysis. 1/00 – 12/00; Association for Practitioners of Infection Control, STERIS Focused Research Project - \$8,442.
Co-Investigator, Quality Grand Rounds. 11/00-4/01. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$10,970.

- Co-Principal Investigator, Condom versus Indwelling Catheter Evaluation (CONVINCE) Trial. 7/97 - 6/01. Mentor Corporation - \$35,000.
- Co-Investigator, The Discharge Navigator: Facilitating the Transition from Hospital to Outpatient Care via a New Web Infrastructure. 11/00 - 11/01. AETNA Quality Care Research Fund - \$116,539.
- Principal Investigator, The Clinical and Economic Effects of Antibiotic Therapy in Acute Exacerbation of Chronic Bronchitis. 11/99 - 6/02; AETNA Quality Care Research Fund - \$243,900.
- Principal Investigator, Suprapubic vs. urethral catheterization: A meta-analysis. 1/1/02 – 12/31/02; The Research Foundation for Prevention of Complications Associated with Health Care - \$10,000.
- Co-Investigator, Improving Patient Safety in Hospitals: Implementing Change at Ground Zero. 2/1/02-1/31/03; Blue Cross Blue Shield of Michigan Foundation - \$114,119.
- Co-Investigator, Quality Grand Rounds. 11/16/01 – 1/31/03. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$22,090.
- Co-Principal Investigator, Long-Term Care Requirements of Elderly Patients Undergoing Coronary Artery Bypass Grafting Surgery (Principal Investigator, Kenneth M. Langa, MD, PhD), 7/02 – 6/03, \$33,000.
- Principal Investigator, Enhancing Patient Safety by Reducing Catheter-Related Infections. VA HSR&D Career Development Award, 7/01- 6/04. Department of Veterans Affairs - \$433,440.
- Co-Investigator, Quality Grand Rounds. 6/16/03 – 6/30/04. California Healthcare Foundation (Principal Investigator of subcontract from UCSF) - \$30,000.
- Principal Investigator, Enhancing Patient Safety by Reducing Inappropriate Urinary Catheterization. 5/01 – 4/04. Blue Cross Blue Shield of Michigan Foundation - \$121,570.
- Co-Principal Investigator, Long-Term Care Requirements of Elderly Patients Undergoing Coronary Artery Bypass Grafting Surgery in Michigan (Principal Investigator, Kenneth M. Langa, MD, PhD), 10/03 – 9/04, \$50,000.
- Co-Investigator, Hartford Foundation/Society of General Internal Medicine, “Collaborative Center for Research and Education in the Care of Older Adults,” 1/03 – 12/04 - \$91,000.
- Co-Investigator, Toward a Safety Culture: Reducing Nosocomial Infections. 10/1/03 – 8/30/05; Agency for Healthcare Research and Quality (Principal Investigator of subcontract from University of Cincinnati) - \$61,921.
- Co-Principal Investigator, Targeting Interventions to Reduce Errors. 10/1/01 – 9/29/05; National Institutes of Health (Agency for Healthcare Research and Quality) - \$600,000.

Co-Principal Investigator, Hospitalists as Emerging Leaders in Patient Safety (HELPS) Consortium of Southeastern Michigan: Targeting Few to Affect Many. 4/1/05 – 9/30/07; Blue Cross/Blue Shield Foundation of Michigan - \$117,067.

Principal Investigator, Infection Risk of Urinary Collection Strategies. 7/1/05 – 5/31/08; National Institutes of Health/NIDDK - \$306,000.

Principal Investigator, Translating Nosocomial Infection Research into Practice. 7/1/04 – 9/30/08; Advanced Career Development Award – VA Health Services Research and Development - \$480,000.

Co-Principal Investigator, Translating Infection Prevention Evidence into Practice – Merit Review Grant. 10/01/04 – 9/30/08; VA Health Services Research and Development - \$799,655.

Co-Investigator, Assessing Nurse/Physician Communication in the ICU. 4/1/08 – 9/30/08; VA Health Services Research & Development - \$33,700.

Principal Investigator, Does the University of Michigan’s Claims Management Model Reduce Malpractice Costs? 7/1/07 – 12/31/08; Blue Cross Blue Shield of Michigan Foundation – \$64,405.

Submitted

Principal Investigator, Predictors of Hospital-Acquired Urinary Tract-Related Bloodstream Infection. 10/1/09 – 9/30/12; CSR&D Merit Review Award (IIR) - \$448,929.

Co-Principal Investigator, Implementation Interventions to Reduce Catheter-Associated Urinary Tract Infection – R01. 12/1/10 – 11/30/14; National Institutes of Health - \$1,988,208.

Co-Principal Investigator, VA Epicenter: From Discovery to Dissemination. 7/1/11 – 6/30/16; Centers for Disease Control and Prevention - \$2,000,000.

CERTIFICATION AND LICENSURE

Board Certification: National Board of Medical Examiners - Part I - June, 1990
National Board of Medical Examiners - Part II - September, 1991
National Board of Medical Examiners - Part III - March, 1993
Diplomate of the American Board of Internal Medicine, 1995-2005
Diplomate of the American Board of Internal Medicine (Re-certified), 2005-2015

Medical Licensure: California State License, 1993
Washington State Medical License, 1996
Michigan State License, 1998

Other Certification: LEAN Healthcare Certification Course, 2009

HONORS & AWARDS

Student

1987	Phi Beta Kappa Honor Society
1987	Chancellor's Scholarship
1988	Jane Unzelman Scholarship
1988	Lauds & Laurels "Senior of the Year"
1988	<i>Magna cum laude</i> in Political Science
1988	<i>Magna cum laude</i> in Biology
1992	Alpha Omega Alpha Honor Society

Resident

1993	Julius Krevans Award - UCSF Intern of the Year
1996	UCSF School of Medicine Teaching Award

Faculty

1998	National VA HSR&D Award for Best Abstract in Post-doctoral Category
1998	Society of General Internal Medicine National Meeting – Mack Lipkin Sr. Award for Outstanding Abstract in Fellows Category
1999	National VA HSR&D Award for Best Abstract in Post-doctoral Category
1999	Marquis Who's Who in Medicine and Healthcare
2000	Token of Appreciation from Medical Students
2000	Blue Cross Blue Shield of Michigan Foundation, Excellence in Research Award for Physicians
2001	National Association of Inpatient Physicians - Young Investigator of the Year Award
2001	National Association of Inpatient Physicians 4 th Annual National Meeting - Best Abstract Award
2001	Department of Internal Medicine Richard D. Judge Award for Excellence in Medical Student Teaching
2001	Token of Appreciation from Medical Students
2002	University of Michigan Medical School "The Senior Award" (given to one medical school faculty member per year for excellence in teaching)
2002	University of Michigan Medical School "Silver Shovel Award" (teaching award given to a single medical school faculty member per year)
2002	Token of Appreciation from Medical Students
2003	Department of Internal Medicine's H. Marvin Pollard Award for Outstanding Resident Teaching
2003	Best Doctors in America: 2003-2004
2004	Kaiser Permanente Award for Excellence in Teaching, University of Michigan
2005	Best Doctors in America: 2005-2006
2006	Detroit Federal Executive Board Award for Clinical Excellence
2006	Special Recognition for Contributions to the House Officer Teaching Program

2007	Token of Appreciation from Medical Students
2007	Best Doctors in America: 2007-2008
2008	2008 Listing of “America’s Top Physicians”
2008	Top 100 Health Professionals: 2008
2009	Elected to membership in the American Society for Clinical Investigation (ASCI)
2009	Best Doctors in America: 2009-2010
2010	Best Doctors in America: 2010-2012

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

American College of Physicians (Fellow)
 American Society for Clinical Investigation (Elected Member)
 Association of Professionals in Infection Control
 Central Society for Clinical Research (Past Chair, Health Care Research/Epidemiology)
 Infectious Diseases Society of America
 Society of Hospital Medicine (Past Chair, Research Committee; Past Chair, Scientific Abstract Review Committee; Past Chair, Journal Task Force; Fellow)
 Society of General Internal Medicine
 Society for Healthcare Epidemiology of America

TEACHING ACTIVITIES

International

2009 External Examiner / Thesis Committee, Paul Anantharaja Tambyah, National University of Singapore, Singapore, Japan

National

1995-1996 Weekly teaching rounds with University of California, San Francisco (UCSF) third-year medical students

1995-1996 Facilitator, UCSF Department of Medicine – Daily Resident Report: 6 months

1995-1996 Facilitator, UCSF Department of Medicine – Weekly Intern Report: 6 months

1995-1996 Co-Founder and Moderator, UCSF Department of Medicine Housestaff Clinical Epidemiology Club monthly meeting

1995-1996 Organizer and Co-Developer, Intensive Care Unit Course Curriculum for UCSF Medical Housestaff

1995-1996 Co-Attending, Intensive Care Unit: 3 months at UCSF/San Francisco VA Medical Center

1995-1996 Attending, General Medicine Clinic: Weekly at UCSF/San Francisco VA Medical Center

1995-1996 Attending, Medical Consultation: 3 months at UCSF/San Francisco VA Medical Center

1995-1996 Attending, Medical Ward: 2 months at UCSF/San Francisco VA Medical Center

1997-1998 Attending, Medical Ward: 1 month at University of Washington/Seattle VA Medical Center

- 2001 Member of USMLE Step 3 Standard Setting Panel, National Board of Medical Examiners, Philadelphia, PA
- 2000-2001 Member of PhD Supervisory/Dissertation Committee for Nathorn Chaiyakunapruk, School of Pharmacy, University of Washington, Seattle, WA

University of Michigan

- 1998– 2000 Clinical Skills Instructor for University of Michigan second-year medical students
- July 1998 Faculty, Introduction to the Patient for first-year medical students, University of Michigan School of Medicine
- Dec 1998 Attending, General Internal Medical Ward: University of Michigan Medical Center
- Mar 1999 Attending, General Internal Medical Ward: University of Michigan Medical Center
- Mar 1999 Intern Report - University of Michigan Department of Internal Medicine
- Apr 1999 Session leader -- Clinical epidemiology, study design, and evidence-based medicine: University of Michigan second-year medical students
- May 1999 Attending, Medical Ward: Ann Arbor VAMC
- May 1999 Intern Report - University of Michigan Department of Internal Medicine
- July 1999 Attending, General Internal Medical Ward: University of Michigan Medical Center
- Aug 1999 Intern Report – University of Michigan Department of Internal Medicine
- Aug 1999 Resident Report – University of Michigan Department of Internal Medicine
- Aug 1999 Resident Report – University of Michigan Department of Internal Medicine
- Sept 1999 Resident Report – Ann Arbor VA Medical Center
- Oct 1999 Attending, Medical Ward: Ann Arbor VA Medical Center
- Nov 1999 Chief Rounds – Ann Arbor VA Medical Center
- Dec 1999 Resident Report – University of Michigan Department of Internal Medicine
- Jan 2000 Resident Report – University of Michigan Department of Internal Medicine
- Jan 2000 Intern Report – Ann Arbor VA Medical Center
- Jan 2000 Resident Report - Ann Arbor VA Medical Center
- Mar 2000 Resident Report – University of Michigan Department of Internal Medicine
- April 2000 Intern Report – University of Michigan Department of Internal Medicine
- April 2000 Attending, General Internal Medical Ward: University of Michigan Medical Center
- Aug 2000 Attending, Medical Ward: Ann Arbor VA Medical Center

Sept 2000 Resident Report – University of Michigan Department of Internal Medicine
 Oct 2000 Resident Report – University of Michigan Department of Internal Medicine
 Dec 2000 Attending, General Internal Medical Award: University of Michigan Medical Center
 Dec 2000 Intern Report – University of Michigan, Department of Internal Medicine
 Feb 2001 Attending, Medical Ward: Ann Arbor VA Medical Center
 April 2001 Attending, General Internal Medical Award: University of Michigan Medical Center
 May 2001 Resident Report – University of Michigan Department of Internal Medicine
 June 2001 Attending, General Internal Medical Award: University of Michigan Medical Center
 2001-Present Weekly preceptor rounds with third year medical students
 July 2001 Attending, Medical Ward: Ann Arbor VA Medical Center
 Aug 2001 Intern Report - Ann Arbor VA Medical Center
 Sept 2001 Resident Report - University of Michigan Department of Internal Medicine
 Sept 2001 Discussant, M & M Conference – University of Michigan Department of Internal Medicine
 Nov 2001 Resident Report – University of Michigan Department of Internal Medicine
 April 2002 Attending, Medical Ward: Ann Arbor VA Medical Center
 Aug 2002 Attending, Medical Ward: Ann Arbor VA Medical Center
 Mar 2003 Attending, Medical Ward: Ann Arbor VA Medical Center
 Aug 2003 Leader, M1 Students – Medical Decision Making Small Group Session
 Aug 2003 Attending, Medical Ward: Ann Arbor VA Medical Center
 April 2004 Resident Report – University of Michigan Department of Internal Medicine
 July 2004 Attending, Medical Ward: Ann Arbor VA Medical Center
 Mar 2005 Leader, M4 Students – Diagnostic Testing Small Group Session
 Apr 2005 Attending, Medical Ward: Ann Arbor VA Medical Center
 Aug 2005 Attending, Medical Ward: Ann Arbor VA Medical Center
 Sept 2005 Resident Report – University of Michigan Department of Internal Medicine
 Nov 2005 Resident Report – University of Michigan Department of Internal Medicine
 Nov 2005 Chief of Medicine Rounds – University of Michigan Medical Center
 Dec 2005 Patient Safety Rounds – Ann Arbor VA Medical Center
 12/05-5/06 Daily Resident Report: Ann Arbor VA Medical Center
 Jan 2006 Chief of Medicine Rounds – Ann Arbor VA Medical Center

Mar 2006	Chief of Medicine Rounds – Ann Arbor VA Medical Center
June 2006	Attending, Medical Ward: Ann Arbor VA Medical Center
Aug 2006	Attending, Medical Ward: Ann Arbor VA Medical Center
Nov 2006	Attending, Medical Ward: Ann Arbor VA Medical Center
May 2007	Attending, Medical Ward: Ann Arbor VA Medical Center
July 2007	Attending, Medical Ward: Ann Arbor VA Medical Center
July 2008	Attending, Medical Ward: Ann Arbor VA Medical Center
Dec 2008	Attending, Medical Ward: Ann Arbor VA Medical Center
Apr 2009	Attending, Medical Ward: Ann Arbor VA Medical Center
Jun 2009	Attending, Medical Ward: Ann Arbor VA Medical Center
Jul 2009	Attending, Medical Ward: Ann Arbor VA Medical Center
Sep 2009	Resident Report: Ann Arbor VA Medical Center
Oct 2009	Resident Report: Ann Arbor VA Medical Center
2009	Member of PhD Dissertation Committee for Brian Hilligoss, School of Information, University of Michigan, Ann Arbor, MI
Nov 2009	Chief of Medicine Rounds – Ann Arbor VA Medical Center
Dec 2009	Chief of Medicine Rounds – Ann Arbor VA Medical Center
Dec 2009	Resident Report: Ann Arbor VA Medical Center
Dec 2009	Attending, Medical Ward: Ann Arbor VA Medical Center
Feb 2010	Resident Report: Ann Arbor VA Medical Center
Mar 2010	Attending, Medical Ward: Ann Arbor VA Medical Center
May 2010	Attending, Medical Ward: Ann Arbor VA Medical Center

EXTRAMURAL INVITED PRESENTATIONS

International

"Preventing Catheter-Related Urinary Tract Infection: Are Silver Catheters Useful?" 51st Central Japanese Urological Association Convention, Osaka, Japan, November 2001.

"Preventing Device-Related Infections: Exploring Collaborative Opportunities." Thames Valley University, London, England, September 2002.

"What Effect Does Increasing Inpatient Time Have On Outpatient-Oriented Internist Satisfaction?" Society of General Internal Medicine 26th Annual Meeting, Vancouver, British Columbia, May 2003.

"Enhancing Patient Safety Through Infection Control." Infection Control Association of the British Isles, Telford, England, September 2003.

“The Use of a Urinary Catheter Reminder to Reduce Urinary Catheterization in Hospitalized Patients.” International Society for Pharmacoeconomics and Outcomes Research, Barcelona, Spain, November 2003.

“How Advanced Infection Control Technologies Can Benefit Both Patients and Hospitals.” Press Seminar on the Japanese Healthcare System, Tokyo, Japan, March 2004.

“Enhancing Patient Safety by Preventing Hospital Acquired Infection.” The John Radcliffe Hospital/Oxford University, Oxford, England, June 2004.

“Preventing Nosocomial Infection.” Department of Microbiology & Infectious Diseases Seminar, The John Radcliffe Hospital/Oxford University, Oxford, England, June 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” University of Toronto Department of Medicine, May 2005.

“Translating Hospital-Associated Infection Prevention into Practice.” 2nd Annual HTAi Meeting, Europe Congress Centre, Università Cattolica del Sacro Cuore, Rome, Italy, June 2005.

“How are U.S. Hospitals Preventing Infections Due to Central Venous and Urinary Catheters? A National Mixed-Methods Study.” Society of General Internal Medicine 30th Annual Meeting. Toronto, Canada, April 2007.

“Hospital Medicine Research: An Overview.” Society of General Internal Medicine 30th Annual Meeting. Toronto, Canada, April 2007.

“Translating Hospital-Acquired Infection Prevention Research into Practice.” Infection Prevention Society Conference 2007, Brighton, England, September 2007.

“Clinical Problem-Solving.” Division of Infectious Diseases, Hospital of the University of Geneva, Geneva, Switzerland, November 2007.

“Diffusion of Innovation in Healthcare.” Department of Economics, University of Florence, Florence, Italy, December 2007.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Department of Geriatrics, University of Florence Medical School, Florence, Italy, February 2008.

“Diffusion of Innovation in Healthcare: The Case of Hospital-Acquired Infection.” International League of Florence, Florence Italy, April 1, 2008.

“Preventing Hospital-Acquired Infection.” University of Palermo Medical School, Palermo, Italy, April 18, 2008.

“Enhancing Patient Safety by Controlling Infection in the Emergency Department.” Clinical Risk Management in the Emergency Department Meeting of the University of Florence, Florence, Italy, May 12, 2008.

“The Science and Art of Clinical Problem Solving: Pearls and Pitfalls.” The University of Naples School of Medicine, Naples, Italy, May 14, 2008.

“Knowledge Transfer in Medicine: Translating Research Into Practice within Hospital-Acquired Infection.” Lyceum International Club of Florence, Florence, Italy, May 19, 2008.

“The Science and Art of Clinical Problem-Solving: Pearls and Pitfalls.” University of Florence Medical School – Division of Infectious Diseases, Florence, Italy, June 6, 2008.

“Enhancing Patient Safety by Reducing Nosocomial Infection.” University of Florence Medical School – Florence, Italy, October 7, 2008

“Clinical Problem-Solving.” University of Florence Medical School – Florence, Italy, October 7, 2008.

“Diffusion in Innovation of Medicine.” United States Embassy, Rome Italy, October 8, 2008.

“The Presence of Active Resisters and Organizational Constipators: How Hospital Employees Affect Hospital-Acquired Infection Prevention Efforts.” Oxford University, London, England, April 2009.

“The Art and Science of Clinical Problem-Solving.” University of Geneva, Department of Internal Medicine Grand Rounds, Geneva, Switzerland, April 21, 2009.

“Enhancing Patient Safety by Preventing Urinary Tract Infection.” National Center for Child Health and Development, Tokyo, Japan, August 7, 2009.

“Clinical Problem-Solving.” National Center for Child Health and Development, Tokyo, Japan, August 7, 2009.

“Preventing Urinary Tract Infection.” Otowa Hospital, Kyoto, Japan, August 2009.

“Update in Internal Medicine.” Otowa Hospital, Kyoto, Japan, August 2009.

“Conducting Research as a Busy Clinician: Tales from the Trenches.” Meyer Pediatrics Hospital, Florence, Italy, October 2009.

“Hand Hygiene as a Good Practice to Enhance Patient Safety.” Rome, Italy, September 2010.

“Implementation Science: The Next Frontier of Medical Research.” University of Florence Medical School, Florence, Italy, September 2010.

National

“Chronic Obstructive Pulmonary Disease & the Massachusetts General Hospital.” Medical Staff Conference – UCSF/San Francisco VA Medical Center, June 1995.

“Risk Reduction in the Intensive Care Unit.” UCSF Medical Grand Rounds – UCSF/San Francisco VA Medical Center, June 1996.

“The Basics of Meta-analysis.” University of Washington Robert Wood Johnson Clinical Scholars Program, July 1997.

“Vasculitis: An Overview.” Chief of Medicine Rounds – University of Washington/ Seattle VA Medical Center, September 1997.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” 16th VA Health Services Research & Development National Conference, Washington DC, February 1998.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” Society of General Internal Medicine 21st Annual Meeting, Chicago, IL, April 1998.

“The Effectiveness of a Guideline for the Management of Urinary Tract Infection in Women.” Robert Wood Johnson Clinical Scholars Program National Meeting, Fort Lauderdale, FL, November 1998.

“The Clinical and Economic Consequences of using Antiseptic-impregnated Central Venous Catheters to Prevent Catheter-related Infections.” 17th VA Health Services Research & Development National Conference, Washington DC, February 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” 17th National VA HSR&D Conference, Washington DC, February 1999.

“How to Get an Academic Job.” (Part of the pre-course entitled “A General Internal Medicine Fellowship Survival Course”.) Society of General Internal Medicine 22nd Annual Meeting, San Francisco, CA, April 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” Society of General Internal Medicine 22nd Annual Meeting, San Francisco, CA, April 1999.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection.” Association of Practitioners of Infection Control and Epidemiology Annual Meeting, Baltimore, MD, June 1999.

“ICU Prophylaxis.” Management of the Hospitalized Patient - UCSF National Conference. San Francisco, CA, September 1999.

“The Clinical and Economic Benefits of Antiseptic-Impregnated Central Venous Catheters for the Prevention of Catheter-Related Bloodstream Infection.” The Robert Wood Johnson Clinical Scholars Program National Meeting, Ft. Lauderdale, FL, November 1999.

“The Use of Cost-effectiveness Analysis in Infection Control.” 4th Decennial International Conference on Nosocomial and Healthcare-Associated Infections, Atlanta, GA, March 2000.

“How to Get an Academic Job.” (Part of the pre-course entitled, “A General Internal Medicine Fellowship Survival Course.”) Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.

“Being a Hospitalist Researcher.” (Part of the pre-course entitled, “Hospital Medicine.”) Society of General Internal Medicine 23rd Annual Meeting, Boston, MA, May 2000.

“Enhancing Patient Safety: The University of Michigan Experience.” Georgia Healthcare Leadership Council. Atlanta, GA, November 2000.

“Lack of Physician Awareness of Urinary Catheters in their Patients.” The Robert Wood Johnson Clinical Scholars Program National Meeting, Ft. Lauderdale, FL, November 2000.

“Do Physicians Examine Patients Under Contact Precautions Less Frequently?” The National Association of Inpatient Physicians 4th Annual National Meeting, Atlanta, GA, March 2001.

“Evaluation and Management of Acute Uncomplicated UTI in Women.” American College of Physicians/American Society of Internal Medicine National Meeting, Atlanta, GA, March 2001.

“Applying Health Services Research to Prevent Nosocomial Infections.” Association for Professionals in Infection Control and Epidemiology National Conference. Seattle, WA, June 2001.

“Error Prevention in Management of Urinary Tract Infections.” The Infectious Diseases Society of America’s National Conference on Patient Safety in Infectious Diseases, Chicago, IL, July 2001.

“Enhancing Patient Safety by Preventing Catheter-related Infection.” Cleveland Clinic Foundation Medical Grand Rounds, Cleveland, OH, September 2001.

“Quality Grand Rounds: A Case of Nosocomial Hypoglycemia.” Improving Patient Safety and Decreasing Errors in the Hospital, University of California, San Francisco, CA, October 2001.

“Enhancing Patient Safety by Preventing Hospital-acquired Infections.” Management of the Hospitalized Patient, University of California, San Francisco, CA, October 2001.

“Device Associated Adverse Events: Impact and Prevention.” National Patient Safety Conference sponsored by the CDC, Baltimore, MD, January 2002.

“The Clinical and Economic Benefits of Chlorhexidine Compared to Povidone Iodine Solution.” VA HSRD Conference, Washington, DC, February 2002.

“Pathogen-specific Issues in Acute Exacerbation of Chronic Bronchitis.” (Part of symposium entitled “Contemporary Management of Acute Bacterial Exacerbation of Chronic Bronchitis”) PRI-MED South, Fort Lauderdale, FL, February, 2002.

“Enhancing Patient Safety by Preventing Urinary Catheter and Vascular Catheter-related Infection.” University of Nebraska Medical Grand Rounds, Omaha, Nebraska, March 2002.

"How to Get an Academic Job." (Part of the pre-course entitled "A General Internal Medicine Fellowship Survival Course.") Society of General Internal Medicine 25th Annual Meeting, Atlanta, Georgia, May 2002.

"The Clinical and Economic Benefits of Chlorhexidine Compared to Povidone Iodine Solution." Society of General Internal Medicine 25th Annual Meeting, Atlanta, Georgia, May 2002.

“Enhancing Patient Safety by Preventing Device Related Infection.” Association of Professionals in Infection Control, Greater Detroit Chapter, Providence Hospital, Southfield, Michigan, July 2002.

“Evidence-Based Management of Acute Uncomplicated UTI: Is Relief Only a Phone Call Away?” Legacy Health System, Portland, Oregon, September 2002.

“Performing Clinical Research as a Resident: The Do’s and Don’ts.” Legacy Health System, Portland, Oregon, September 2002.

“Enhancing Patient Safety by Reducing Catheter-Related Infection.” Legacy Health System, Portland, Oregon, September 2002.

“Hospitalists: Is the Juice Worth the Squeeze?” Legacy Health System, Portland, Oregon, September 2002.

“Meta-Analysis: An Overview.” Legacy Health System, Portland, Oregon, September 2002.

“Prevention Strategies in the ICU.” University of California, San Francisco, California, October 2002.

“Patient Safety Through Infection Control.” Association of Professionals in Infection Control, Chicago Chapter, Chicago, Illinois, October 2002.

“The University of Michigan’s Patient Safety Enhancement Program: Translating Research into Practice.” Michigan Health and Safety Coalition, South Lyon, Michigan, January 2003.

“Enhancing Patient Safety by Preventing Catheter Related Infections.” Medical Grand Rounds, Oakwood Hospital & Medical Center, Dearborn, Michigan, January 2003.

“Translating Nosocomial Infection Prevention into Practice.” AHRQ 2nd Annual National Patient Safety Conference, Washington, D.C., March 2003.

“Clinical Practice Strategies to Enhance Patient Safety.” Chelsea Hospital, Chelsea, MI, March 2003.

“Which Site Disinfectant Should We Use for Vascular Catheter Site Care?” Society for Healthcare Epidemiology of America, Arlington, VA, April 2003.

“Enhancing Patient Safety by Reducing Hospital-Acquired Infection.” UCSF Department of Medicine Grand Rounds, San Francisco, CA, September 2003.

“How to Get an Academic Job.” UCSF Department of Epidemiology Clinical Research Course, San Francisco, CA, September 2003.

“Developing a Hospitalist-Based Patient Safety Program: Should We? Can We? How?” The 5th National Kaiser Permanente Hospital Medicine Conference, Berkeley, CA, September 2003.

“Enhancing Patient Safety by Reducing Hospital-Acquired Infection.” The 5th National Kaiser Permanente Hospital Medicine Conference, Berkeley, CA, September 2003.

“Overview of Nephrology.” UCSF 3rd Year Medical Student Seminar, San Francisco, CA, September 2003.

“Using Evidence-Based Medicine to Manage Acute UTI in Women.” St. Mary Mercy Hospital Grand Rounds, Livonia, MI, September 2003.

“Catheter-Related Blood Stream Infections.” AHRQ Patient Safety Collaborative Kickoff, Cincinnati, OH, November 2003.

“Device-Related Patient Safety.” Michigan Society for Infection Control, Lansing, MI, November 2003.

“Recent Advances in Clinical Medicine.” Visiting Professor, Bon Secours Cottage Health Services, Grosse Pointe, MI, January 2004.

“The Do’s and Don’ts of Conducting Research as a Clinician: Tales from the Trenches.” St. Joseph Mercy Health System, 6th Annual Evidence-Based Practice Conference: Shaping the Environment, Ann Arbor, MI, March 2004.

“From Quality Improvement to Research.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

“The Do’s and Don’ts of Performing Clinical Research.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

“ICU Prophylaxis.” Society of Hospital Medicine’s 2004 Annual Meeting, New Orleans, LA, April 2004.

“Reducing the Burden of Nosocomial Urinary Tract Infections Using Antimicrobial-impregnated Urethral Catheters.” Surgical Infection Society 24th Annual Meeting, Indianapolis, IN, May 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Sparrow Health System, Lansing, Michigan, June 2004.

“The Economics of Controlling Infections Associated with Prosthetic Devices.” Fourth Annual Conference of the Center for Prostheses Infection (CPI) and the Multidisciplinary Alliance Against Device-Related Infections (MADRI), San Antonio, TX, August 2004.

“The Rise and Rise of Infection Prevention and Control Programs.” St. John Macomb Hospital, Warren, MI, September 2004.

“Catheter-Related Blood Stream Infections – Incidence, Impact & Evidence Based Interventions.” AHRQ Patient Safety Collaborative Kickoff, Cincinnati, OH, September 2004.

“Preventing Hospital-Acquired Infection.” Medical Grand Rounds, University of Oklahoma, September 2004.

“The Do’s and Don’ts of Performing Research as a Clinician: Lessons from the Trenches.” Management of the Hospitalized Patient, University of California San Francisco, September 2004.

“Prevention Strategies in the ICU.” Management of the Hospitalized Patient, University of California San Francisco, September 2004.

“Translating Nosocomial Infection Methods Into Practice.” AHRQ 3rd Annual National Patient Safety Conference, Washington, DC, September 2004.

“The Do’s and Don’ts of Conducting Research as a Resident: Tales from the Trenches.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Clinical Problem Solving – Don’t Know Much About History.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Using Evidence-Based Medicine to Manage Acute UTI in Women.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System, Portland, OR, October 2004.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” University of California Davis Grand Rounds, Sacramento, CA, December 2004.

“Research as a Resident.” University of California Davis, Sacramento, CA, December 2004.

“Performing Resident Research.” Memorial Health University Medical Center, Mercer School of Medicine, Savannah, GA, January 2005.

“Hospitalist as a Career.” Memorial Health University Medical Center, Mercer School of Medicine, Savannah, GA, January 2005.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Harvard University/Beth Israel Deaconess Medical Grand Rounds, Boston, MA, January 2005.

“Performing Research as a Clinician: Tales from the Trenches.” Boston Area Hospitalist Meeting, Boston, MA, January 2005.

“Enhancing Patient Safety by Preventing Catheter-related Infection.” University of Utah Department of Medicine Grand Rounds, Salt Lake City, UT, March 2005.

“Preventing Catheter-related Infection.” Medical Grand Rounds, Henry Ford Health System, Department of Internal Medicine, Detroit, MI, March 2005.

“How to Get an Academic Job.” Building a Career in Clinical Research Course, University of California San Francisco, September 2005.

“Hospital-Acquired Infections.” Hospitalist Conferences USA, San Diego, CA, September 2005.

“Preventing Catheter-Related Bloodstream Infection: Are We There Yet?” Infectious Diseases Society of America National Meeting, San Francisco, CA, October 2005.

“Research for Residents.” Beth Israel Medical Center Noon Conference, New York, NY, October 2005.

“How to Think Like an Attending.” Beth Israel Medical Center Intern’s Core, New York, NY, October 2005.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Beth Israel Medical Center Grand Rounds, New York, NY, October 2005.

“Enhancing Patient Safety by Preventing Catheter-Related Infection.” HSR&D Career Development/Research Career Scientist Program, Arlington, VA, February 2006.

“Clinical Decision Making.” ACP Air Force Region/Society of Air Force Physicians Annual Meeting, San Antonio, TX, March 2006.

“The Science and Art of Clinical Problem-Solving: Pearls and Pitfalls.” Norwalk Hospital Medical Grand Rounds, 3rd Annual Richard Zucker Memorial Lecture, Norwalk, CT, March 2006.

“The Do’s and Don’ts of Conducting Research as a Busy Hospitalist: Tales from the Trenches.” University of Washington, Seattle, WA, April 2006.

“Enhancing Patient Safety by Preventing Catheter-Related Infection.” University of Washington Medical Grand Rounds, Seattle, WA, April 2006.

“How to Get a Job and Get Promoted.” University of Washington Robert Wood Johnson Clinical Scholars Program, Seattle, WA, April 2006.

“Performing Clinical Research as a Busy Hospitalist.” Lake Erie Chapter of the Society of Hospital Medicine, Cleveland, OH, May 2006.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” MetroHealth Medical Center Grand Rounds, Cleveland, OH, May 2006.

“How to Get an Academic Job.” University of California, San Francisco, August 2006.

“The Do’s and Don’ts of Conducting Clinical Research as a Resident: Tales from the Trenches.” San Francisco VA Medical Center, San Francisco, CA, August 2006.

“Reducing the Incidence of Catheter-Related Urinary Tract Infections.” VHA’s Best Practices Symposium: Eliminating Hospital Acquired Infections, Baltimore, MD, September 2006.

“Cost of Infections and Cost-Effectiveness in Infection Control.” (Moderator) 46th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, September 2006.

“Is Infection Control Cost-Effective?” 46th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA, September 2006.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” University of Alabama at Birmingham Department of Medicine Grand Rounds, Birmingham, AL, January 2007.

“The Science and Art of Clinical Problem-Solving: Pearls and Pitfalls.” Hospitalist Conferences USA, Cambridge, MA, March 2007.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Medical College of Wisconsin, Milwaukee, WI, March 2007.

“Enhancing Patient Safety by Preventing Catheter-Related Urinary Tract Infections.” New Jersey’s Antimicrobial Resistance Collaborative, Princeton, NJ, April 2007.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” Northwestern University Medical School - Medical Grand Rounds, Chicago, IL, April 2007.

“UTI and Translating Research into Practice.” Keystone Healthcare-Associated Infection Workshop, Grand Rapids, MI, April 2007.

“Advanced Epidemiologic Methods: Meta-analysis.” The Society for Healthcare Epidemiology of America 2007 National Meeting, Baltimore, MD, April 2007.

“The Use of Economic Evaluation in Infection Control.” The Society for Healthcare Epidemiology of America 2007 National Meeting, Baltimore, MD, April 2007.

“How to get Promoted as an Academic Hospitalist.” Society of Hospital Medicine National Meeting, Dallas, TX, May 2007.

“Preventing Hospital-Acquired Infection.” St. John Hospital Medical Grand Rounds, Detroit, MI, June 2007.

“How to Get an Academic Job.” University of California, San Francisco, CA, August 2007.

“Preventing Urinary Tract Infections: Introducing the Bladder Bundle.” Washington State Hospital Association, Seattle, WA, July 2008.

“How to Get an Academic Job.” University of California, San Francisco, August 2008.

“Heuristic Principles and Cognitive Error.” Chambersburg Hospital, August 2008.

“Translating Infection Prevention Research into Practice.” University of Utah Department of Medicine Grand Rounds, Salt Lake City, UT, September 2008.

“Taking a Closer Look: Catheter-Associated Urinary Tract Infections (UTIs).” APIC 2008 CMS Conference, Arlington, VA, September 2008.

“Health and Economic Impact of Multiple-Drug Resistant Organism Screening.” 48th Annual ICAAC / IDSA Meeting, Washington, DC, October 2008.

“Evidence-Based Practices in Infection Control.” 48th Annual ICAAC/IDSA Meeting, Washington, DC, October 2008.

“Diffusion of Innovation: Translating Infection Prevention into Practice.” University of Pittsburgh Critical Care Medicine Research Conference, Pittsburgh, PA, November 2008.

“The Art and Science of Clinical Problem Solving: Tales from the Trenches.” University of Pittsburgh Critical Care Medicine Grand Rounds, Pittsburgh, PA, November 2008.

“Enhancing Patient Safety by Translating Infection Prevention Research into Practice.” University of Chicago Department of Medicine Grand Rounds, Chicago, IL, November 2008.

“Translating Infection Prevention Research Into Practice within Catheter-Associated Urinary Tract Infection.” Infectious Disease Society of New Jersey Annual Conference, Monroe Township NJ, November 2008.

“The Presence of Active Resisters and Organizational Constipators.” 2008 Robert Wood Johnson Program Clinical Scholars Meeting, Washington, DC, November 2008.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” Department of Medicine Grand Rounds, Mt. Sinai Medical Center, New York, NY, December 2008.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” University of California, Davis, CA, January 2009.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” University of Texas, San Antonio Health Science Center, San Antonio, TX, January 2009.

“Enhancing Patient Safety by Translating Infection Prevention into Practice.” Medicine Grand Rounds, Texas A&M Health Science Center College of Medicine, Austin, TX, January 2009.

“Enhancing Patient Safety by Translating Infection Prevention into Practice.” Brown University, Providence, RI, February 2009.

“Translating Infection Prevention Research into Practice.” Update in Hospital Medicine, Rocky Mountain Society of Hospital Medicine Winter Meeting, Breckenridge, CO, February 2009.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” Division of General Medicine and Primary Care, Brigham & Women’s Hospital and Harvard Medical School, Boston, MA, March 2009.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” Internal Medicine Grand Rounds, University of Nebraska Medical Center, Omaha, NE, March 2009.

“What Works to Prevent Catheter-Associated UTI? Will CMS Help or Hinder?” The 19th Annual Scientific Meeting of the Society of Hospital Epidemiology of America, San Diego, CA, March 2009.

“Literature Synthesis: How to Conduct Systematic Reviews and Meta-Analyses.” Society of Hospital Medicine National Meeting, Chicago, IL, May 2009.

“Preventing Catheter-Associated Urinary Tract Infection: Translating Research into Practice.” The Michigan Surgical Quality Collaborative Quarterly Working Group Meeting, New Hudson, MI, September 2009. “Translating Infection Prevention Research into Practice.” Combined Surgical Grand Rounds, William Beaumont Hospital, Royal Oak, MI, November 2009.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice.” New York University Medicine Grand Rounds, New York, NY, December 2009.

“Enhancing Patient Safety by Preventing Hospital-Acquired Infection.” West Los Angeles VA Healthcare Systems Department of Medicine Grand Rounds, Los Angeles, CA, January 2010.

“The Art and Science of Clinical Problem-Solving.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System Grand Rounds, Portland, OR, February 2010.

“Preventing Catheter-Related Infection.” S. Frederick Rabiner, M.D. Visiting Professorship, Legacy Health System Quality Summit, Portland, OR, February 2010.

“Diffusion of Innovation in Medicine: Preventing Hospital-Acquired Infection.” Update in Hospital Medicine, Rocky Mountain Society of Hospital Medicine Winter Meeting, Breckenridge, CO, February 2010.

“Systematic Reviews and Meta-Analysis: What Every Hospitalist Needs to Know.” Update in Hospital Medicine, Rocky Mountain Society of Hospital Medicine Winter Meeting, Breckenridge, CO, February 2010.

“Enhancing Patient Safety by Translating Catheter-Associated Urinary Tract Infection Research into Practice.” Catheter-Associated Urinary Tract Infection Collaborative Kickoff, North Carolina Center for Hospital Quality and Safety, Raleigh, NC, March 2010.

“Implementation Science: How to Jumpstart Infection Prevention.” (Plenary address) Fifth Decennial International Conference on Healthcare-Associated Infections, Atlanta, GA, March 2010.

“Integrating Qualitative and Quantitative Research Methods.” Hospital Medicine 2010, Washington, DC, April 2010.

“Enhancing Patient Safety by Translating Infection Prevention Research into Practice.” Stroger Hospital of Cook County Grand Rounds, Chicago, IL, April 2010.

“The Art and Science of Leadership and Followership: Discovering and Disseminating Infection Prevention Knowledge.” (Closing address) Association for Professionals in Infection Control and Epidemiology Annual Conference, New Orleans, LA, July 2010

“Enhancing Patient Safety by Translating Infection Prevention Research into Practice”, Saint Joseph Mercy Grand Rounds, Ann Arbor, MI August 2010

University of Michigan

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 1998.

“Meta-analysis: An Overview” – Ann Arbor VA Health Services Research & Development Conference, September 1998.

“How to Get an Academic Job” – University of Michigan Robert Wood Johnson Clinical Scholars Program, September 1998.

“The Clinical and Economic Effects of Silver Alloy Urinary Catheters to Prevent Urinary Tract Infection” - University of Michigan Department of Internal Medicine Research Day, May 1999.

“Risk Reduction in the Medical ICU” – University of Michigan Department of Internal Medicine Noon Conference, June 1999.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 1999.

“The What, Why, and How of Meta-analysis” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 1999.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, October 1999.

“One Lunch Could Decide Your Future” – Medical Center Alumni Society Career Seminar Series, Internal Medicine Panel Discussion for First and Second Year Medical Students, October 1999.

“Telephone Management for Women with UTI” – Primary Care Conference, January 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2000.

“Clinical Problem Solving Revealed” - Seminars in Medicine, April 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, June 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2000.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, July 2000.

“Meta-analysis: The Why, What, and How” – University of Michigan National Institute of Health’s K30 Program, October 2000.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, Oct 2000.

“The Nuts and Bolts of Obtaining an Academic Job” – University of Michigan Robert Wood Johnson Clinical Scholars Program, January 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, March 2001.

“Enhancing Patient Safety by Preventing Catheter-Related Infection” – Department of Internal Grand Rounds, March 2001.

“Preventing Catheter-Related Infections: Cost and Safety Issues” – Third Annual Evidence-Based Practice, Clinical Relevance and Practical Realities, March 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2001.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, July 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2001.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, January 2002.

“An Approach to Anemia” - Core Lecture Series for Third Year Medical Students, April 2002.

“Meta-analysis: The Why, What, and How” – University of Michigan National Institute of Health’s K30 Program, April 2002.

“Preventing Urinary and Vascular Catheter Infections” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Clinic Pathologic Conference” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Management of Acute UTI in Woman: Is Telephone Management Ready for Prime Time?” – University of Michigan Medical School, Department of Medical Education, Internal Medicine Update, July 2002.

“Meta-analysis: The Why, What, and How” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, August 2002.

“An Approach to Anemia” - Core Lecture Series for Third Year Medical Students, October 2002.

“Enhancing Patient Safety by Preventing Catheter-related Infections” – Improving Patient Safety in Hospitals: Turning Ideas into Action, November 2002.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, May 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2003.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, October 2003.

“Prevention of Hospital Acquired Infections”, 32nd Annual Spring Update in Internal Medicine, April 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2004.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, August 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, September 2004.

“Enhancing Patient Safety by Preventing Catheter-Related Infection” – Pulmonary and Critical Care Medicine, October 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2004.

“Meta Analysis Applications for Women’s Health” – OB/GYN Health Services Research Seminar, November 2004.

“Translating Nosocomial Infection Preventive Methods into Practice” – General Medicine Research Conference, November 2004.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2005.

“Evidence Based Medicine: Diagnostic Testing for M4s” – Small Group Leader, March 2005.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, April 2005.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, June 2005.

“Literature Review and Meta Analysis” – Robert Wood Johnson Clinical Scholars Summer Course, July 2005.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, August 2005.

“How to Get an Academic Job” – Robert Wood Johnson Clinical Scholars Program, September 2005.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2005.

“An Approach to Anemia” – Core Lecture Series for Third Year medical Students, March 2006.

“Nurse-Physician Collaboration to Prevent Infection” – University of Michigan School of Nursing Leadership Conference, May 2006.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, June 2006.

“Meta-analysis: An Overview” – University of Michigan Robert Wood Johnson Clinical Scholars Program, July 2006.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, September 2006.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, November 2006.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, February 2007.

“An Approach to Anemia” – Core Lecture Series for Third Year Medical Students, July 2007.

“The Art and Science of Clinical Problem Solving” – Core Lecture Series for Third Year Medical Students, September 2008.

“How to Get an Academic Job” – Robert Wood Johnson Clinical Scholars Program, October 2008.

“The Art and Science of Clinical Problem Solving” – Core Lecture Series for Third Year Medical Students, December 2008.

“How to Get an Academic Job” – Robert Wood Johnson Clinical Scholars Program, March 2009.

“The Art and Science of Clinical Problem Solving” – Core Lecture Series for Third Year Medical Students, April 2009.

“Diffusion of Innovation: Translating Infection Prevention Research into Practice” – University of Michigan’s Interdisciplinary Committee on Organizational Studies, March 2009.

“Shaping a Research Agenda to Inform Quality” – Robert Wood Johnson Clinical Scholars Program Master’s Curriculum, November 2009.

“The Art and Science of Clinical Problem Solving” – Core Lecture Series for Third Year Medical Students, January 2010.

“The Art and Science of Clinical Problem Solving” – Core Lecture Series for Third Year Medical Students, March 2010.

“Systematic Reviews and Meta-Analysis: What Every Psychiatry Resident Needs to Know” – Psychiatry Resident Lecture Series, April 2010.

Visiting Professorships/Visiting Lectureships

Cleveland Clinic, Cleveland, OH, September 2001

University of Nebraska Medical Center, Omaha, NE, March 2002

Legacy Health System – Rabiner Visiting Professor, Portland, OR, September 2002

University of Miami, Miami, FL, May 2004

The John Radcliffe Hospital/Oxford University, Oxford, England, June 2004

University of Oklahoma, Tulsa, OK, September 2004

Legacy Health System – Rabiner Visiting Professor, Portland, OR, October 2004

University of California at Davis, Sacramento, CA, December 2004

Mercer University School of Medicine, Savannah, GA, January 2005

Harvard University/Beth Israel Deaconess Medical Center, Boston, MA, January 2005

University of Utah, Salt Lake City, UT, March 2005

Beth Israel Medical Center, New York, NY, October 2005

Norwalk Hospital, Norwalk, CT, March 2006

University of Washington and Harborview Medical Center’s Hospitalist Group, April 2006

University of Washington’s Clinical Scholars Program, April 2006

Case Western Reserve University/MetroHealth, Cleveland, OH, May 2006

University of Alabama at Birmingham, Birmingham, AL, January 2007

Medical College of Wisconsin, Milwaukee, WI, March 2007

Northwestern University Medical School, Chicago, IL, April 2007

University of Florence School of Medicine, Florence, Italy, September 2007 – June 2008
 University of Utah Department of Medicine, Salt Lake City, UT, September 2008
 University of Pittsburgh Department of Critical Care Medicine, Pittsburgh, PA, November 2008
 University of Chicago Department of Medicine, Chicago, IL, November 2008
 Mount Sinai School of Medicine, New York, NY, December 2008
 The University of Texas Health Science Center at San Antonio, San Antonio, TX, January 2009
 Texas A&M Department of Medicine, Austin, TX, January 2009
 University of Nebraska, Omaha, NE, March 2009
 University of Geneva, Geneva, Switzerland, April 2009
 Otowa Hospital, Kyoto, Japan, August 2009
 New York University, New York, NY, December 2009
 West Los Angeles VA Healthcare System/UCLA Medical School, Los Angeles, CA, January 2010
 Legacy Health System – Rabiner Visiting Professor, Portland, OR, February 2010
 Stroger Hospital of Cook County, Chicago, IL, April 2010

COMMITTEE AND ADMINISTRATIVE SERVICE

1995-1996	Resident Review Committee, University of California, San Francisco
1995-1996	Intern Selection Committee, University of California, San Francisco
1995-1996	Chief Resident Selection Committee, University of California, San Francisco
1995-1996	Discharge Planning Committee, San Francisco VA Medical Center
1996-1998	University of Washington Robert Wood Johnson Clinical Scholars Program Visiting Professor Coordinator
1998-2003	Internal Medicine, Intern Applicant Interviewer, University of Michigan
1998 – present	Robert Wood Johnson Clinical Scholars Program Fellowship Applicant Interviewer, University of Michigan
1999 – 2000	Scientific Abstract Review Committee, National Association of Inpatient Physicians' National Meeting
1999 – 2004	Co-Chair, Adverse Events Committee, Ann Arbor VA Medical Center
2000 – 2001	Chair, Research Committee – Research Foundation for Prevention of Complications Associated with Health Care
2000 – present	Member, Patient Safety Committee, University of Michigan Health System

2000 – 2001	Scientific Abstract Review Committee, National Association of Inpatient Physicians' National Meeting
2001 – 2005	Member, Patient Safety and Quality Committee, National Association of Inpatient Physicians
2001 – 2002	Member, Annual Meeting Committee, National Association of Inpatient Physicians
2001 – 2004	Chair, Research Committee, National Association of Inpatient Physicians (now called the Society of Hospital Medicine)
2001 – 2002	Chair, Scientific Abstract Review Committee, National Association of Inpatient Physicians (now called the Society of Hospital Medicine)
2002 – 2006	Chair, Health Care Research/Epidemiology, Central Society for Clinical Research
2002 – 2003	Member, University of Michigan Department of Medicine's Clinical Research Working Group
2002 – 2003	Co-Chair, Society of General Internal Medicine Hospital Medicare Abstract Review Committee
2002 – 2003	Member, Society of General Internal Medicine Workshop Review Committee
2002 – 2003	Member, Society of General Internal Medicine Scientific Abstract Review Committee
2002 – 2003	Member, National Association of Inpatient Physicians Scientific Abstract Review Committee
2003 – 2005	Member, University of Michigan Medical School's Conflict of Interest Review Board
2003 – present	Member, University of Michigan Medical School's Admissions Committee
2003 – 2005	Member, Ann Arbor VA Medical Center's Institutional Review Board
2003 – 2004	Member, Department of Internal Medicine Research Symposium Abstract Review Committee
2003 – 2005	Co-Chair, Society of Hospital Medicine-Society of General Internal Medicine Discontinuity of Care Task Force

2003 – 2004	Chair, Society of General Internal Medicine Hospital Medicine Abstract Review Committee
2003 – 2004	Member, Society of Hospital Medicine Scientific Abstract Review Committee
2004	Chair, Society of Hospital Medicine Journal Task Force
2004 – 2007	Member, Department of Internal Medicine Faculty Performance Evaluation Committee
2005	Department of Veterans Affairs Health Services Research and Development Meeting – Co-Chair, Quality Measurement & Effectiveness Abstract Committee
2005 – 2006	Member, Ann Arbor VA Medical Center Executive Leadership Board
2005 – 2006	Member, Ann Arbor VA Medical Center Clinical Executive Board
2005 – 2006	Member, Ann Arbor VA Medical Center Resources Council
2005 – 2006	Co-Chair, Ann Arbor VA Medical Center Nurse-Physician Committee
2005 – present	Member, Ann Arbor VA Medical Center Bed Utilization Committee
2006 – 2007	Chair, Department of Internal Medicine Faculty Performance Evaluation Committee
2006 – 2008	Member, The National Quality Forum, Healthcare Associated Infections Project, Indwelling Catheters & Urinary Tract Infections Technical Advisory Panel
2006 – present	Member, Keystone UTI Group
2007 – 2008	Chair, Department of Internal Medicine Faculty Performance Evaluation Improvement Taskforce
2007 – 2010	Member, Infectious Diseases Society of America – Catheter-Associated Urinary Tract Infection Guideline Committee
2007 – 2008	Member, Society of Hospital Epidemiology of America – Healthcare-Associated Infection Prevention Guideline Committee
2007 – 2008	Annual Meeting Submission Peer Reviewer, Society of General Internal Medicine

2007 – 2008	Member, Society of Hospital Medicine Academic Summit
2008 – 2009	Member, University of Michigan’s Department of Internal Medicine Chair Selection Committee
2008 – present	Faculty Advisor, University of Michigan chapter of Alpha Omega Alpha (AOA) Honor Society.
2009 – present	Member, Expert Panel for the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP) Best Practices Guidelines Initiative
2009 – present	Member, Patient Safety Practice Technical Expert Panel (PSP TEP), RAND Corporation/AHRQ
2009 – present	Member, University of Michigan Health System Clinical Strategic Committee
2009 – present	Member, University of Michigan Health System Catheter-Associated Urinary Tract Infection Prevention Committee
2009 – present	Liaison Member, CDC’s Healthcare Infection Control Practices Advisory Committee (HICPAC)
2009 – present	Member, Society of Hospital Medicine Research Committee
2010 – present	Member, Association for Professionals in Infection Control and Epidemiology Research Task Force
2010 – present	Chair, Society of Hospital Medicine Junior Faculty Development Award Committee
2010 – present	Member, University of Michigan’s Department of Emergency Medicine Chair Search Committee

PATENTS

None

BIBLIOGRAPHY

Completed Publications in Scientific Journals

Peer-reviewed publications

1. **Saint S**, Bent S, Vittinghoff E, Grady D. Antibiotics in chronic obstructive pulmonary disease exacerbations: A meta-analysis. *JAMA*. 1995; 273:957-960.

2. **Saint S**, Go A, Frances C, Tierney LM. Case records of the Massachusetts General Hospital: A home-court advantage? *N Engl J Med*. 1995; 333(13):883-884.
3. Salzmann P, **Saint S**, Tierney LM. Mad cow disease: An opportunity for preventive medicine? *West J Med*. 1997; 167:417-419.
4. **Saint S**, Saha S, Tierney LM. Clinical problem-solving: A square peg in a round hole. *N Engl J Med*. 1998; 338:379-383.
5. **Saint S**, Matthay MA. Risk reduction in the intensive care unit. *Am J Med*, 1998; 105:515-523.
6. **Saint S**, Elmore J, Sullivan SD, Emerson S, Koepsell TD. The efficacy of silver alloy-coated urinary catheters in preventing urinary tract infection: A meta-analysis. *Am J Med*, 1998; 105:326-341.
7. **Saint S**, Veenstra DL, Sullivan SD. The use of meta-analysis in cost-effectiveness analysis: Issues and recommendations. *PharmacoEconomics*, 1999; 15(1):1-8.
8. Veenstra DL, **Saint S**, Saha S, Lumley T, Sullivan SD. Efficacy of antiseptic-impregnated central venous catheters in preventing catheter-related bloodstream infection: A meta-analysis. *JAMA*, 1999; 281:261-267.
9. Saha S, **Saint S**, Tierney LM. Clinical problem-solving: A balancing act. *N Engl J Med*, 1999; 340(5):374-378.
10. **Saint S**, Lipsky BA. Preventing catheter-related bacteriuria: Can we? Should we? How? *Arch Intern Med*, 1999; 159:800-808.
11. **Saint S**, Scholes D, Fihn SD, Farrell R, Stamm WE. The effectiveness of a clinical practice guideline for the management of presumed uncomplicated urinary tract infection in women. *Am J Med*, 1999; 106:636-641.
12. Bent S, **Saint S**, Vittinghoff E, Gady D. Antibiotics in acute bronchitis: A meta-analysis. *Am J Med*, 1999; 107(1):62-67.
13. Veenstra DL, **Saint S**, Sullivan SD. Cost-effectiveness of antiseptic-impregnated central venous catheters to prevent catheter-related bloodstream infection. *JAMA*, 1999; 282(6):554-560.
14. Fisk DT, **Saint S**, Tierney LM. Clinical problem-solving: Back to the basics. *N Engl J Med*, 1999; 341:747-750.
15. **Saint S**, Atherton S, Lipsky BA, McDonald L, Strausbaugh L. Controlling the spread of vancomycin-resistant enterococci with contact precautions: Time for a randomized trial? *Int J Infect Dis*, 1999; 3(4):179-180.
16. **Saint S**, Lipsky BA, Baker PD, McDonald LL, Ossenkop K. Urinary catheters: What type do men and their nurses prefer? *J Amer Geriatr Soc*, 1999; 47(12):1453-1457.
17. Saha S, Christakis DA, **Saint S**, Whooley MA, Simon SR. A survival guide for generalist physicians in academic fellowships: Part I. *J Gen Intern Med*, 1999; 14(12):745-749.
18. Saha S, **Saint S**, Christakis DA, Simon SR, Fihn SD. A survival guide for generalist physicians in academic fellowships: Part II. *J Gen Intern Med*, 1999; 14(12):750-755.
19. Gulati M, **Saint S**, Tierney LM. Clinical problem-solving: Inpatient inpatient are. *N Engl J Med*, 2000; 342(1):37-40.

20. **Saint S**, Christakis DA, Baldwin LM, Rosenblatt, R. Is hospitalism new? An analysis of Medicare data from Washington State in 1994. *Effect Clin Pract* 2000; 35-39.
21. **Saint S**. State of the Science: Clinical and economic consequences of nosocomial catheter-related bacteriuria. *Amer J Infect Control*, 2000; 28(1):68-75.
22. Ramsey SD, **Saint S**, Sullivan SD, Dey L, Kelley K, Bowdle TA. Clinical and economic effects of pulmonary artery catheterization in nonemergent coronary artery bypass graft surgery. *J Cardiothor Vasc Anesth*, 2000; 14(2):113-118.
23. **Saint S**, Veenstra DL, Lipsky BA. The clinical and economic consequences of nosocomial central venous catheter-related infection: Are antimicrobial catheters useful? *Infect Cont Hosp Epid*, 2000; 21(6):375-380.
24. Christakis DA, **Saint S**, Saha S, Elmore JG, Welsh DE, Baker P, Koepsell TD. Do physicians judge a study by its cover? *J Clin Epi*, 2000; 53:773-778.
25. **Saint S**, Veenstra DL, Sullivan SD, Chenoweth C, Fendrick AM. The potential clinical and economic benefits of silver alloy urinary catheters in preventing urinary tract infection. *Arch Intern Med*, 2000; 160:2670-2675.
26. **Saint S**, Wiese J, Amory J, Bernstein M, Patel U, Zemencuk J, Bernstein S, Lipsky B, Hofer T. Are physicians aware which of their patients have indwelling urinary catheters? *Am J Med*, 2000; 109:476-480.
27. Chenoweth CE, **Saint S**, Martinez F, Lynch JP, Fendrick AM. Antimicrobial resistance in *streptococcus pneumoniae*: Implications for patients with community-acquired pneumonia. *Mayo Clin Proc*, 2000; 75:1161-1168.
28. Nallamotheu B, Fendrick AM, Rubenfire M, **Saint S**, Bandekar R, Omenn GS. The potential clinical and economic effects of homocyst(e)ine lowering: A decision analysis. *Arch Intern Med*, 2000; 160:3406-3412.
29. **Saint S**, Christakis DA, Saha S, Elmore JG, Welsh DE, Baker P, Koepsell TD. Journal reading habits of internists. *J Gen Intern Med*, 2000; 15:881-884.
30. Lark RL, Chenoweth C, **Saint S**, Zemencuk JK, Lipsky BA, Plorde JJ. Four-year prospective evaluation of nosocomial bacteremia: epidemiology, microbiology, and patient outcome. *Diag Micro Infect Diseases*, 2000; 38:131-140.
31. Flaherty KR, **Saint S**, Fendrick AM, Martinez FJ. The spectrum of acute bronchitis: Using baseline factors to guide empirical therapy. *Postgrad Med* 2001; 109:39-47.
32. **Saint S**, Zemencuk JK, Chenoweth CE, Lipsky BA, Baker PD, Plorde JJ. The potential benefit of infectious diseases consultation in patients with community-acquired bacteremia. *J Clin Outcomes Manag* 2001; 8(2):25-32.
33. Nallamotheu BK, **Saint S**, Bielak LF, Sonnad SS, Peyser PA, Rubenfire M, Fendrick AM. Electron-beam computed tomography in the diagnosis of coronary artery disease. *Arch Intern Med* 2001; 161:833-838.
34. Lynch P, Jackson M, **Saint S**. Research priorities project, year 2000: Establishing a direction for infection control and hospital epidemiology. *Am J Infect Cont* 2001; 29(2):73-78.

35. **Saint S**, Flaherty KR, Abrahamse P, Martinez FJ, Fendrick AM. Acute exacerbation of chronic bronchitis: Disease-specific issues that influence the cost-effectiveness of antimicrobial therapy. *Clin Ther* 2001; 23(3):499-512.
36. Stern DT, **Saint S**, Tierney LM. Where have all the hours gone? *South Med J* 2001; 94(6):651-654.
37. Nallamotheu BK, **Saint S**, Koliass TJ, Eagle KA. Clinical problem-solving: Of nicks and time. *N Engl J Med* 2001; 345(5):359-363.
38. Nallamotheu BK, **Saint S**, Saha S, Fendrick AM, Kelley K, Ramsey SD. Coronary artery bypass grafting in Native Americans: A higher risk of death compared to other ethnic groups? *J Gen Intern Med* 2001; 16(8):554-558.
39. Fendrick AM, **Saint S**, Brook I, Jacobs MR, Pelton S, Sethi S. Diagnosis and treatment of upper respiratory tract infections in the primary care setting. *Clin Ther* 2001; 23(10): 1683-1706.
40. **Saint S**, Chenoweth C, Fendrick AM. The role of economic evaluation in infection control. *Am J Infect Cont* 2001; 29:338-44.
41. Lark L, **Saint S**, Chenoweth C, Zemencuk J, Lipsky B, Plorde J. Four-year prospective evaluation of community-acquired bacteremia: Epidemiology, microbiology, and patient outcome. *Diag Micro Infect Diseases* 2001; 41:15-22.
42. Nallamotheu BK, **Saint S**, Ramsey SD, Hofer TP, Vijan S, Eagle KA. The role of hospital volume in coronary artery bypass grafting: Is more always better? *J Am Coll Cardiol* 2001; 38(7):1923-30.
43. Langa KM, Fultz N, **Saint S**, Kabeto MU, Herzog AR. Informal caregiving time and costs for urinary incontinence among elderly individuals in the United States. *J Amer Geriat Society* 2002; 50:733-737.
44. **Saint S**, Konrad TR, Golin C, Welsh D, Linzer M. Characteristics of general internists who practice only outpatient medicine: Results from the physician worklife study. *Seminars in Medical Practice* 2002; 5(1):5-11.
45. **Saint S**, Savel RH, Matthay MA. Enhancing the safety of critically ill patients by reducing urinary and central venous catheter-related infections. *American Journal of Respiratory and Critical Care Medicine* 2002; 165:1475-1479.
46. Piotrowski MM, **Saint S**, Hinshaw DB. The safety case management committee: Expanding the avenues for addressing patient safety. *The Joint Commission Journal on Quality Improvement* 2002; 28(6):296-305.
47. Bent S, Nallamotheu NK, Simel D, Fihn SD, **Saint S**. Does this woman have an acute, uncomplicated urinary tract infection? *JAMA* 2002; 287(20):2701-2710.
48. Chaiyakunapruk N, Veenstra DL, Lipsky BA, **Saint S**. Chlorhexidine compared with povidone-iodine solution for vascular catheter-site care: A meta-analysis. *Ann Intern Med* 2002; 136(11):792-801.
49. Bent S, **Saint S**. The optimal use of diagnostic testing in women with acute, uncomplicated cystitis. *Am J Med* 2002; 113(1A):20S-28S.

50. **Saint S**, Goold SD, Lipsky BA. Indwelling urinary catheters: The one-point restraint? *Ann Intern Med* 2002; 137(2):125-127.
51. Wiese J, **Saint S**, Tierney LM, Jr. Using clinical reasoning to improve skills in oral case presentation. *Seminars in Medical Practice* 2002; 5(3):29-36.
52. Nallamotheu BK, **Saint S**, Eagle K, Langa K, Fendrick AM, Hogikyan RV, Kelley K, Ramsey S. Coronary artery bypass grafting in octogenarians: Clinical and economic outcomes at community-based health care facilities. *Am J Managed Care* 2002; 8:749-755.
53. **Saint S**, Rose J, Lichter AS, Forrest S, McMahon LF. The potential of cost shifting from high cost to low cost diagnosis-related groups. *Evaluations in Health Professions* 2002; 25(3):259-269.
54. Nallamotheu BK, Mehta RH, **Saint S**, Llovet A, Bossone E, Cooper JV, Sechtem U, Isselbacher EM, Nienaber CA, Eagle KA, Evangelista A. Syncope in acute aortic dissection: diagnostic, prognostic, and clinical implications. *Am J Med* 2002; 113:468-471.
55. Bliss S, Weinberger S, Meier M, **Saint S**. Clinical problem-solving: The unusual suspect. *N Engl J Med* 2002; 347(23):1876-1881.
56. Mangrulkar RS, **Saint S**, Chu S, Tierney LM. What is the role of the clinical "pearl"? *Am J Med* 2002; 113:617-624.
57. Langa KM, Fendrick AM, Flaherty K, Martinez F, Kabeto M, **Saint S**. Informal caregiving for chronic lung disease among older Americans. *Chest* 2002; 122(6):2197-2203.
58. Saha S, **Saint S**, Christakis DA. Impact factor: A valid measure of journal quality? *J Med Libr Assoc* 2003; 91(1):42-46.
59. Marciante KD, Veenstra DL, Lipsky BA, **Saint S**. Which antimicrobial impregnated central venous catheter should we use? Modeling the costs and outcomes of antimicrobial catheter use. *Am J Infect Control* 2003; 31(1):1-8.
60. Collard HR, **Saint S**, Matthay MA. Prevention of ventilator-associated pneumonia: An evidence-based systematic review. *Ann Intern Med* 2003; 138:494-501.
61. Cornia PB, Amory JK, Fraser S, **Saint S**, Lipsky BA. Computer-based order entry decreases duration of indwelling urinary catheterization in hospitalized patients. *Am J Med* 2003; 144(5):404-407.
62. **Saint S**, Chenoweth CE. Biofilms and catheter associated urinary tract infections. *Infect Dis Clinics North Am* 2003; 17:411-432.
63. Chaiyakunapruk N, Veenstra DL, Lipsky BA, Sullivan SD, **Saint S**. Vascular catheter site care: The clinical and economic benefits of chlorhexidine compared to povidone iodine solution. *Clin Infect Dis* 2003; 38:764-771.
64. Kachalia A, Shojania KG, Hofer TP, Piotrowski M, **Saint S**. Does full disclosure of medical errors affect malpractice liability? The jury is still out. *Joint Comm J on Qual and Safety* 2003; 29(10):503-511.
65. Dezfulian C, Lavelle J, Nallamotheu BK, Kaufman SR, **Saint S**. Rates of infection in single lumen versus multilumen central venous catheters: A meta-analysis. *Crit Care Med* 2003; 31(9):2385-2390.

66. **Saint S**, Zemencuk JK, Hayward RA, Golin C, Konrad T, Linzer M. What effect does increasing inpatient time have on outpatient-oriented internist satisfaction? *J Gen Intern Med* 2003; 18(9):725-729.
67. Collard HR, Gruber MP, Weinberger SE, **Saint S**. Clinical problem-solving: Anatomy of a diagnosis. *N Engl J Med* 2003; 349(10):987-992.
68. Bliss SJ, Moseley RH, Del Valle J, **Saint S**. Clinical problem-solving: A window of opportunity. *N Engl J Med* 2003; 349(19):1848-1853.
69. **Saint S**, Higgins LA, Nallamothu BK, Chenoweth C. Do physicians examine patients in contact isolation less frequently? A brief report. *Am J Infect Control* 2003; 31(6):354-356.
70. **Saint S**, Hofer TP, Rose J, Kaufman SR, McMahon LF. The use of critical pathways to improve efficiency: A cautionary tale. *Am J Managed Care* 2003; 9(11):758-765.
71. Sawalha AH, Bronze MS, **Saint S**, Blevins S, Kern W. Clinical problem-solving: Step by step. *N Engl J Med* 2003; 349(23):2253-2257.
72. Dhaliwal G, Schmidt KE, Gilden DJ, **Saint S**. True, true and related. *N Engl J Med* 2004; 350(1):60-65.
73. Hilliard AA, Weinberger SE, Tierney LM, Midthun DE, **Saint S**. Occam's razor vs. Saint's triad. *N Engl J. Med* 2004; 350(6):599-603.
74. Bliss SJ, Flanders SA, **Saint S**. Clinical problem-solving: A pain in the neck. *N Engl J Med* 2004; 350(10):1037-1042.
75. Cornia PB, Lipsky BA, Dhaliwal G, **Saint S**. Clinical problem-solving: Red snapper or crab? *N Engl J Med* 2004; 350(14):1443-1448.
76. Patel UP, Hollander H, **Saint S**. Clinical problem-solving: Index of suspicion. *N Engl J Med* 2004; 350(19):1990-1995.
77. Hu KK, Lipsky BA, Veenstra DL, **Saint S**. Using maximal sterile barriers to prevent central venous catheter-related infection: A systematic evidence-based review. *Am J Infection Cont* 2004; 32(3):142-146.
78. Jha AK, Shojania KG, **Saint S**. Clinical problem-solving: Forgotten but not gone. *N Engl J Med*; 350(23):2399-2404.
79. Bent S, Shojania KG, **Saint S**. The use of systematic reviews and meta-analyses in infection control and hospital epidemiology. *Am J Infection Cont* 2004; 32(4):246-254
80. Parekh V, **Saint S**, Furney S, Kaufman S, McMahon L. What effect does inpatient specialty and experience have on clinical outcomes and resource utilization on an academic general medical service? *J Gen Intern Med* 2004; 19(5):395-401.
81. Hoffman RJ, Dhaliwal G, Gilden DJ, **Saint S**. Clinical problem-solving: Special cure. *N Engl J Med* 2004; 351(19):1997-2002.
82. Hu KK, Veenstra DL, Lipsky B, **Saint S**. Use of maximal sterile barriers during central-venous catheter insertion: Clinical and economic outcomes. *Clin Infect Dis* 2004; 39:1441-1445.
83. Janssen W, Dhaliwal G, Collard H, **Saint S**. Clinical problem-solving: Why "why" matters. *N Engl J Med* 2004;351(23):2429-2434.

84. Fletcher KE, Davis SQ, Underwood W, Mangrulkar RS, McMahon LF, **Saint S**. Systemic review: Effects of resident work hours on patient safety. *Ann Intern Med* 2004; 141(11):851-857.
85. Nallamotheu BK, Shojania KG, **Saint S**, Hofer TP, Humes HD, Moscucci M, Bates ER. Is acetylcysteine effective in preventing contrast-related nephropathy? A meta-analysis. *American Journal of Medicine* 2004; 117:938-947.
86. Lukela M, DeGuzman D, Weinberger S, **Saint S**. Clinical problem-solving: Unfashionably late. *N Engl J Med* 2005; 352(1):64-69.
87. Dezfulian C, Shojania KG, Collard HR, Kim HM, Matthay MA, **Saint S**. Subglottic secretion drainage for preventing ventilator-associated pneumonia: A meta-analysis. *American Journal of Medicine* 2005; 118(1):11-18.
88. Fletcher KE, **Saint S**, Mangrulkar RS. Balancing continuity of care with residents' limited work hours: Defining the implications. *Acad Med* 2005; 80(1):39-43.
89. Nallamotheu BK, **Saint S**, Hofer TP, Vijan S, Eagle KA, Bernstein SJ. Impact of patient risk on the hospital volume-outcome relationship in coronary artery bypass grafting. *Arch Intern Med* 2005; 165:333-337.
90. Goulet CJ, Moseley RH, Tonnerre C, Sandhu IS, **Saint S**. Clinical problem-solving: The unturned stone. *N Engl J Med* 2005; 352(5):489-494.
91. Piotrowski MM, Bessette RL, Chensue S, Cutler D, Kachalia A, Roseborough JW, **Saint S**, Underwood W, Muprhy HS. Learning to improve patient safety: False-positive pathology report results in wrongful surgery. *Joint Comm J on Quality and Pt Safety* 2005; 31(3):123-131.
92. Bourgeois JA, Maddock RJ, Rogers L, Greco CM, Mangrulkar RS, **Saint S**. Case reports: Neurosarcoidosis and delirium. *Psychosomatics* 2005; 46(2):148-150.
93. Leeper N, Wener L, Dhaliwal G, **Saint S**, Wachter RM. Clinical problem-solving: One surprise after another. *N Engl J Med* 2005; 352(14):1474-1479.
94. Kaul DR, Flanders SA, **Saint S**. Clinical problem-solving: Clear as mud. *N Engl J Med* 2005; 352(18):1914-1918.
95. Dames S, Tonnerre C, **Saint S**, Jones S. Clinical problem-solving: Don't know much about history. *N Engl J Med* 2005; 352(22):2338-2342.
96. Nallamotheu BK, Saint M, **Saint S**, Mukherjee D. Clinical problem-solving: Double jeopardy. *N Engl J Med* 2005; 353(1):75-80.
97. Flanders SA, Kaufman SR, **Saint S**. Hospitalists as emerging leaders in patient safety: Targeting a few to affect many. *Journal of Patient Safety* 2005; 1(2):78-82.
98. McMahon LF Jr, Hayward R, **Saint S**, Chernew ME, Fendrick AM. Univariate solutions in a multivariate world: Can we afford to practice as in the "good old days"? *Am J Manage Care* 2005; 11(8):473-476.
99. Fletcher KE, Underwood W, Davis SQ, Mangrulkar RS, McMahon LF, **Saint S**. Effects of work hour reduction on residents' lives: A systemic review. *JAMA* 2005; 294(9):1088-1100.

100. **Saint S**, Kaufman SR, Thompson M, Rogers MAM, Chenoweth CE. A reminder reduces urinary catheterization in hospitalized patients. *Jt Comm J Qual and Safety* 2005; 8:455-462.
101. Sawalha AH, **Saint S**, Ike RW, Bronze MS. Clinical problem-solving: Still consider the source. *N Engl J Med* 2005; 353(14):1503-1507.
102. Nallamotheu BK, Rogers MAM, **Saint S**, McMahon LJ, Fries BE, Kaufman SR, Langa KM. Skilled care requirements for elderly patients following coronary artery bypass grafting. *J Amer Geriatr Soc* 2005; 53:1133-1137.
103. Mody L, Langa KM, **Saint S**, Bradley SF. Preventing infections in nursing homes: A survey of infection control practices in Southeast Michigan. *Am J Infect Control* 2005; 33(8):489-492.
104. Janssen WJ, Collard HR, **Saint S**, Weinberger SE. Clinical problem-solving: A perfect storm. *N Engl J Med* 2005; 353(18):1956-1961.
105. Kemper AR, Kennedy EJ, Dechert RE, **Saint S**. Hospital readmission for bronchiolitis. *Clin Pediatr* 2005; 44(6):509-513.
106. Safdar N, Dezfulian C, Collard HR, **Saint S**. Clinical and economic consequences of ventilator-associated pneumonia: A systematic review. *Critical Care Medicine* 2005; 33(10):2184-2193.
107. Bump GM, Parekh VI, **Saint S**. "Above or below?" *J Hosp Med* 2006; 1(1):36-41.
108. Schmitt A, Gilden DJ, **Saint S**, Moseley RH. Clinical problem-solving: Empirically Incorrect. *N Engl J Med* 2006; 354(5):509-514.
109. Winawer N, Murali M, **Saint S**, Babaliaros V. A negative test of aneurysmal proportions. *J Hosp Med* 2006; 1(2):113-117.
110. Hamann KL, Fancher TL, **Saint S**, Henderson MC. Clinical research during internal medicine residency: A practical guide. *American Journal of Medicine* 2006; 119(3):277-283.
111. Reilly Lukela J, Mangrulkar RS, Tierney LM Jr, DelValle J, **Saint S**. A midlife crisis. *J Hosp Med* 2006; 1(3):200-204.
112. Amory JK, Rosen H, Sukut C, Wallace F, **Saint S**. Clinical problem-solving: A jaundiced eye. *N Engl J Med* 2006; 354(14):1516-1520.
113. Rogers MAM, Langa KM, Kim C, Nallamotheu BK, McMahon LF, Malani PN, Fries BE, Kaufman SR, **Saint S**. Contribution of infection to increased mortality in women after cardiac surgery. *Arch Intern Med* 2006; 166(4):437-443.
114. Flanders SA, Collander HR, **Saint S**. Nosocomial pneumonia: State of the science. *Am J Infect Control* 2006; 34(2):84-93.
115. Zemencuk JK, Hofer TP, Hayward RA, Moseley RH, **Saint S**. What effect does physician "profiling" have on inpatient physician satisfaction and hospital length of stay? *BMC Health Services Research* 2006; 6:45.
116. Bonilla MF, Kaul DR, **Saint S**, Isada CM, Brotman DJ. Clinical problem solving: Ring around the diagnosis. *N Engl J Med* 2006; 354(18):1937-1942.

117. Just S, Schepers G, Piotrowski MM, **Saint S**, Kauffman CA. Improving the safety of intravenous admixtures: Lessons learned from a Pentostam[®] overdose. *Jt Comm J Qual and Pt Safety* 2006; 32(7):366-372.
118. **Saint S**, Kaufman SR, Rogers MAM, Baker PD, Ossenkop K, Lipsky BA. Condom versus indwelling urinary catheters: A randomized trial. *Journal of the American Geriatrics Society* 2006; 54:1055-1061.
119. Borschel DM, Chenoweth CE, Kaufman SR, Vander Hyde K, VanDerElzen KA, Raghunathan TE, Collins CD, **Saint S**. Are antiseptic-coated central venous catheters effective in a real-world setting? *Am J Infect Control* 2006; 34:388-393.
120. **Saint S**, Kaufman SR, Rogers MAM, Baker PD, Boyko EJ, Lipsky BA. Risk factors for nosocomial urinary tract-related bacteremia: A case-control study. *Am J Infect Control* 2006; 34(7):401-407.
121. Hollingsworth JM, Rogers MAM, Kaufman SR, Bradford TJ, **Saint S**, Wei JT, Hollenbeck BK. Medical therapy to facilitate urinary stone passage: A meta-analysis. *The Lancet* 2006; 368:1171-1179.
122. Kalus RM, Shojania KG, Amory JK, **Saint S**. Clinical problem solving: Lost in translation. *N Engl J Med* 2006; 355(14):1487-1491.
123. Shojania KG, Fletcher KE, **Saint S**. Graduate medical education and patient safety: A busy – and occasionally hazardous – intersection. *Ann Intern Med* 2006; 145(8):592-598.
124. Kaul DR, Flanders SA, Beck JM, **Saint S**. Incidence, etiology, risk factors, and outcome of hospital-acquired fever. A systematic, evidence-based review. *J Gen Intern Med* 2006; 21(11):1184-1187.
125. Krein SL, Olmsted RN, Hofer TP, Kowalski C, Forman J, Banaszak-Holl, J, **Saint S**. Translating infection prevention evidence into practice using quantitative and qualitative research. *Am J Infect Control* 2006; 34(8):507-512.
126. Robertson KB, Janssen WJ, **Saint S**, Weinberger SE. Clinical problem solving: The missing piece. *N Engl J Med* 2006; 355(18):1913-1918.
127. Reittinger TM, Kaufman SR, **Saint S**. What effect does an educational intervention have on interns' confidence and knowledge regarding acute dyspnea management? A randomized controlled trial. *J Hosp Med* 2006; 1(6):339-343.
128. Olmsted RN, Kowalski CP, Krein SL, **Saint S**. Reading habits of infection control coordinators in the United States: Peer-reviewed or non-peer-reviewed evidence? *Am J Infect Control* 2006; 34:616-620.
129. Rogers MAM, Blumberg N, **Saint S**, Kim C, Nallamotheu BK, Langa KM. Allogeneic blood transfusions explain increased mortality in women after coronary artery bypass graft surgery. *Am Heart J* 2006; 152:1028-1034.
130. Calfee CS, Shah SJ, Wolters PJ, **Saint S**, King TE. Clinical problem solving: Anchors away. *N Engl J Med* 2007; 356(5):504-509.
131. Safdar N, Kaul DR, **Saint S**. Clinical problem solving: Into the woods. *N Engl J Med* 2007; 356(9): 49-53.

132. Watts B, Argekar P, **Saint S**, Kauffman CA. Clinical problem solving: Building a diagnosis from the ground up. *N Engl J Med* 2007; 356(14):1456-1462.
133. Kaul DR, Orringer MB, **Saint S**, Jones SR. Clinical problem solving: The drenched doctor. *N Engl J Med* 2007; 356(18):1871-1876.
134. Williams LH, Raugi GJ, Dhaliwal G, **Saint S**, Lipsky BA. Clinical conundrum: Are we there yet? *Journal of Hospital Medicine* 2007; 2(3):181-188.
135. Krein SL, Hofer TP, Kowalski CP, Olmsted RN, Kauffman CA, Forman JH, Banaszak-Holl J, **Saint S**. Use of central venous catheter-related bloodstream infection prevention practices by US hospitals. *Mayo Clin Proc* 2007; 82(6):672-678.
136. Greenstone CL, **Saint S**, Moseley RH. Clinical problem solving: A hand-carried diagnosis. *N Engl J Med* 2007; 356(23):2407-2411.
137. Malani AN, Trimble K, Parekh V, Chenoweth C, Kaufman S, **Saint S**. Review of clinical trials of skin antiseptic agents to reduce blood culture contamination. *Infection Control and Hospital Epidemiology* 2007; 28:892-895.
138. Fazel R, Froehlich JB, Williams DM, **Saint S**, Nallamothu BK. Clinical problem solving: A sinister development. *N Engl J Med* 2007; 357(1):53-59.
139. Yeh WW, **Saint S**, Weinberger SE. Clinical problem solving: A growing problem. *N Engl J Med* 2007; 357(5):489-494.
140. Cornia PB, Lipsky BA, **Saint S**, Gonzales R. Clinical problem solving: Nothing to cough at. *N Engl J Med* 2007; 357(14):1432-1437.
141. **Saint S**, Kowalski CP, Kaufman SR, Hofer, TP, Kauffman CA, Olmsted RN, Forman J, Banaszak-Holl J, Damschroder L, Krein SL. Preventing hospital-acquired urinary tract infection in the United States: A national study. *Clin Infect Dis* 2008; 46(2):243-250.
142. Manojlovich M, Barnsteiner J, Bolton LB, Disch J, **Saint S**. Nursing practice and work environment issues in the 21st century: A leadership challenge. *Nurs Res* 2008; 57(1 Suppl):1-4.
143. Sareli AE, Janssen WJ, Serman D, **Saint S**, Pyeritz RE. Clinical problem solving: What's the connection? *N Engl J Med* 2008; 358(6):626-632.
144. Fletcher KE, Wiest FC, Halasyamani L, Lin J, Nelson V, Kaufman SR, **Saint S**, Schapira M. How do hospitalized patients feel about resident work hours, fatigue and discontinuity of care? *J Gen Intern Med* 2008; 23(5):623-628. PMID: PMC2324147.
145. **Saint S**, Kowalski CP, Forman J, Damschroder L, Hofer TP, Kaufman SR, Creswell JW, Krein SL. A multicenter qualitative study on preventing hospital-acquired urinary tract infection in U.S. hospitals. *Infect Control Hosp Epidemiol* 2008; 29(4):333-341.
146. Safdar N, Abad CL, Kaul DR, Jarrard D, **Saint S**. Clinical problem solving: An unintended consequence. *N Engl J Med* 2008; 358(14):1496-1501.
147. Fletcher KE, Parekh V, Halasyamani L, Kaufman SR, Schapira M, Ertl E, **Saint S**. Work hour rules and contributors to patient care mistakes: A focus group study with internal medicine residents. *J Hosp Med* 2008; 3(3):228-237.

148. Rogers MA, Mody L, Kaufman SR, Fries BE, McMahon LF Jr, **Saint S**. Use of urinary collection devices in skilled nursing facilities in five states. *J Am Geriatr Soc* 2008; 56(5):854-861. PMID pending.
149. Flanders SA, Kaufman SR, Nallamotheu BK, **Saint S**. The University of Michigan Specialist-Hospitalist Allied Research Program: jumpstarting hospital medicine research. *J Hosp Med* 2008; 3(4):308-313.
150. Falade OO, Antonarakis ES, Kaul DR, **Saint S**, Murphy PA. Clinical problem-solving: Beware of first impressions. *N Engl J Med* 2008; 359(6):628-634.
151. Flanders SA, **Saint S**, McMahon LF, Howell JF. Where should hospitalists sit within the academic medical center? *J Gen Intern Med* 2008; 23(8):1269-1272. PMID: PMC2517972.
152. Rogers MA, Mody L, Chenoweth C, Kaufman SR, **Saint S**. Incidence of antibiotic-resistant infection in long-term residents of skilled nursing facilities. *Am J Infect Control* 2008; 36(7):472-475. PMID pending.
153. Mody L, **Saint S**, Kaufman SR, Kowalski C, Krein SL. Adoption of alcohol-based handrub by United States hospitals: A national survey. *Infect Control Hosp Epidemiol* 2008; 29(12):1177-1180. PMID pending.
154. Leeper NJ, Dhaliwal G, **Saint S**, Witteles RM. Clinical problem-solving: Fool's gold. *N Engl J Med* 2008; 359(19):2035-2041.
155. Goldberger ZD, Weinberger SE, Nicosia RF, **Saint S**, Young BA. Clinical problem-solving: Variations on a theme. *N Engl J Med* 2008; 359(14):1502-1507. PMID pending.
156. Krein SL, Kowalski CP, Damschroder L, Forman J, Kaufman SR, **Saint S**. Preventing ventilator-associated pneumonia in the United States: a multicenter mixed-methods study. *Infect Control Hosp Epidemiol* 2008; 29(10):933-940.
157. Rogers MA, Fries BE, Kaufman SR, Mody L, McMahon LF Jr, **Saint S**. Mobility and other predictors of hospitalization for urinary tract infection: a retrospective cohort study. *BMC Geriatr* 2008; 8:31. PMID: PMC2605742.
158. Safdar N, Abad CL, Narayan S, Kaul DR, **Saint S**. Clinical problem-solving: Keeping an open mind. *N Engl J Med* 2009; 360(1):72-76. PMID pending.
159. Gandhi T, Flanders SA, Markovitz E, **Saint S**, Kaul DR. Importance of urinary tract infection to antibiotic use among hospitalized patients. *Infect Control Hosp Epidemiol* 2009; 30(2):193-195. PMID pending.
160. **Saint S**, Bartoloni A, Virgili G, Mannelli F, Fumagalli S, di Martino P, Conti AA, Kaufman SR, Gensini GF, Conti A. Marked variability in adherence to hand hygiene: A 5-unit observational study in Tuscany. *Am J Infect Control* 2009; in press. PMID pending.
161. Kapoor R, Moseley RH, Kapoor JR, Crapo LM, **Saint S**. Clinical problem-solving: Needle in a haystack. *New Engl J Med* 2009; 360(6):616-621. PMID pending.
162. **Saint S**, Meddings J, Calfee D, Kowalski CP, Krein SL. Catheter-associated urinary tract infection and the Medicare rule changes. *Ann Intern Med* 2009; 150(12):877-884.
163. Flanders SA, Kaufman SR, **Saint S**, Parekh, VI. Hospitalists as emerging leaders in patient safety: Lessons learned and future directions. *Journal of Patient Safety* 2009; 5(1):3-8.

164. **Saint S**, Kowalski CP, Banaszak-Holl J, Forman J, Damschroder L, Krein SL. How active resisters and organizational constipators affect health care-acquired infection prevention efforts. *The Joint Commission Journal on Quality and Patient Safety* 2009; 35(5):239-246.
165. Fazel R, Dhaliwal G, **Saint S**, Janssen WJ. Clinical problem-solving: A red flag. *New Engl J Med* 2009; 360(19):1005-2010.
166. Lieu C, Janssen WJ, **Saint S**, Dhaliwal G. The tip of the iceberg. *J Hosp Med* 2009; 4(5):317-320.
167. Graham BB, Kaul DR, **Saint S**, Janssen WJ. Clinical problem-solving: Kiss of death. *New Engl J Med* 2009; 360(24):2564-2568.
168. Rogers MA, Blumberg N, **Saint S**, Langa KM, Nallamotheu BK. Hospital variation in transfusion and infection after cardiac surgery: a cohort study. *BMC Med* 2009; 7:37.
169. Tsai TT, Nallamotheu BK, Prasad A, **Saint S**, Bates ER. Clinical problem-solving: A change of heart. *N Engl J Med* 2009; 361(10):1010-1016.
170. Huffman MD, Kaufman SR, **Saint S**. A new approach to resident morning report: introducing "VAVUM." *Intern Emerg Med* 2009; 5(1):81-82.
171. **Saint S**, Olmsted RN, Fakhri MG, Kowalski CP, Watson SR, Sales AE, Krein SL. Translating health care-associated urinary tract infection research into practice via the bladder bundle. *Jt Comm J Qual Patient Saf* 2009; 35(9):449-455.
172. **Saint S**, Conti A, Bartoloni A, Virgili G, Mannelli F, Fumagalli S, di Martino P, Conti AA, Kaufman SR, Rogers MA, Gensini GF. Improving healthcare worker hand hygiene adherence before patient contact: a before-and-after five-unit multimodal intervention in Tuscany. *Qual Saf Health Care* 2009; 18(6):429-433.
173. Damschroder LJ, Banaszak-Holl J, Kowalski CP, Forman J, **Saint S**, Krein SL. The role of the champion in infection prevention: results from a multisite qualitative study. *Qual Saf Health Care* 2009; 18(6):434-440.
174. Lautenbach E, **Saint S**, Henderson DK, Harris AD. Initial response to health care institutions to emergence of H1N1 influenza: experiences, obstacles, and perceived future needs. *Clin Infect Dis* 2010; 50(4):523-527.
175. Hooton TM, Bradley SF, Cardenas DD, Colgan R, Geerlings SE, Rice JC, **Saint S**, Schaeffer AJ, Tambayh PA, Tenke P, Nicolle LE. Diagnosis, prevention, and treatment of catheter-associated urinary tract infection in adults: 2009 international clinical practice guidelines from the Infectious Diseases Society of America. *Clin Infect Dis* 2010; 50:625-663.
176. Attala L, Tremblay A, Corti G, **Saint S**, Bartolini A. In sight but out of mind. *J Hosp Med* 2010; 5(3):189-192.
177. Meddings J, **Saint S**, McMahon LF. Hospital-acquired catheter-associated urinary tract infection: Documentation and coding issues may reduce financial impact of Medicare's new payment policy. *Infect Control Hosp Epidemiol* 2010; 31(6):627-633.
178. Easter JS, Josephson SA, Vinton DT, **Saint S**, Edlow JA. Clinical problem-solving. All in the family. *N Engl J Med*. 2010; 362(22):2114-20.

179. Jessel P, Safdar N, McCune WJ, Saint S, Kaul DR. Clinical problem-solving. Thinking inside the box. *N Engl J Med.* 2010;363(6):574-9.
180. Kachalia A, Kaufman SR, Boothman R, Anderson S, Welch K, Saint S, Rogers MA. Liability claims and costs before and after implementation of a medical error disclosure program. *Ann Intern Med.* 2010;153(4):213-21.
181. Meddings J, Rogers MA, Macy M, Saint S. Systematic review and meta-analysis: reminder systems to reduce catheter-associated urinary tract infections and urinary catheter use in hospitalized patients. *Clin Infect Dis.* 2010;51(5):550-60.
182. Saint S, Kowalski CP, Banaszak-Holl J, Forman J, Damschroder L, Krein SL. The importance of leadership in preventing healthcare-associated infection: results of a multisite qualitative study. *Infect Control Hosp Epidemiol.* 2010;31(9):901-7.
183. Mody L, Saint S, Galecki A, Chen S, Krein SL. Knowledge of Evidence-Based Urinary Catheter Care Practice Recommendations Among Healthcare Workers in Nursing Homes. *J Am Geriatr Soc.* In Press.

Books:

1. **Saint S**, Frances C (Authors). Saint-Francis Guide to Inpatient Medicine. Williams & Wilkins, Baltimore, Maryland, 1997. (533 pages)
2. Tierney LM, **Saint S**, Thompson C, Whooley MA (Authors). Pocket Guide to the Essentials of Diagnosis & Treatment. Appleton & Lange, Norwalk, Connecticut, 1997. (514 pages)
3. Frances C, Bent S, **Saint S** (Authors). Saint-Francis Guide to Outpatient Medicine. Lippincott Williams & Wilkins, Baltimore, Maryland, 2000. (713 pages)
4. McCarthy MA and O'Malley MB (Authors); **Saint S** (Series Editor). Saint-Francis Guide to Psychiatry. Lippincott Williams & Wilkins, Baltimore, Maryland, 2001. (279 pages)
5. Tierney LM, **Saint S**, Whooley MA (Authors). Essentials of Diagnosis & Treatment (2nd ed). McGraw-Hill, New York, New York, 2002. (525 pages)
6. **Saint S**, Frances C (Authors). Saint-Francis Guide to Inpatient Medicine (2nd ed). Lippincott Williams & Wilkins, Baltimore, Maryland, 2004. (520 pages)
7. Wiese J (Author), Bent S, **Saint S** (Editors). Saint-Francis Guide to the Clinical Clerkships: The Answer Book. Lippincott Williams & Wilkins, Baltimore, Maryland, 2005. (531 pages)
8. Tierney LM, **Saint S**, Whooley MA (Authors). Current Essentials of Medicine (3rd Edition). McGraw-Hill, New York, New York, 2005. (580 pages)
9. **Saint S**, Drazen J, Solomon C (Editors). The New England Journal of Medicine: Clinical Problem-Solving. McGraw-Hill, New York, New York, 2006. (282 pages)
10. **Saint S** (Author). Saint-Francis Guide to Inpatient Medicine (3rd ed). Lippincott Williams & Wilkins, Baltimore, Maryland, 2009. (592 pages)

Non-Peer-Reviewed Publications

1. **Saint S**, Go AS, Tierney Jr. LM. Case records of the Massachusetts General Hospital: A home-court advantage?[letter – in reply] *N Engl J Med*, 1996; 334(3):197.
2. Tierney LM, Whooley MA, **Saint S**. Oxygen saturation: a fifth vital sign?[Commentary] *West J Med*. 1997; 166:285-286.
3. **Saint S**, Fendrick AM. Economic immunity in the intensive care unit: continued support or pull the plug? [Editorial] *Intensive Care Med*, 1999; 25:345-347.
4. **Saint S**. Case-of-the-month. *Am J Med* 1999; 107:98.
5. Matthay M, **Saint S**. Reducing risk in the ICU: Venous thromboembolism. *J Crit Illness*, 1999; 14(8):452-455.
6. Matthay M and **Saint S**. Reducing risk in the ICU: Stress-related upper gastrointestinal bleeding. *J Crit Illness*, 1999; 14(10):569-570.
7. Matthay MA, **Saint S**. Reducing risk in the ICU: Vascular catheter-related infections. *J Crit Illness*, 1999; 14(12):684-686.
8. Fisk DT, **Saint S**, Tierney LM. Back to the basics [letter - in reply]. *N Engl J Med*, 1999; 341(27):2100.
9. **Saint S**. Risk reduction in the intensive care unit [letter - in reply]. *Am J Med*, 1999; 107(5):532.
10. **Saint S**. The efficacy of silver alloy-coated urinary catheters in preventing urinary tract infection [letter - in reply]. *Am J Med*, 1999; 107(5):535.
11. Saha S, **Saint S**, Tierney LM. Clinical problem solving: A balancing act [letter – in reply]. *N Engl J Med*, 1999; 341(2):130.
12. Veenstra DL, Sullivan SD, **Saint S**. Central venous catheters and bloodstream infection [letter – in reply]. *JAMA*, 2000; 283(4):478-479.
13. Hirsch GA, **Saint S**, Chey WD. Case-of-the-month. *Am J Med* 2000; 109:65.
14. **Saint S**. How to prevent urinary catheter-related infections in the critically ill. *J Crit Illness* 2000; 15(8):419-423.
15. Nallamotheu BK, **Saint S**, Rubenfire M, Fendrick AM. Electron beam computed tomography in the diagnosis of obstructive coronary artery disease [letter]. *J Am Coll Card*, 2001; 37(2):689-690.
16. **Saint S**, Fendrick AM. Economic evaluation: A brief overview. *Clin Researcher* 2001; 1(2):36-39.
17. Nallamotheu BK, **Saint S**, Bielak LF, et al. Electron-beam computed tomography in the diagnosis of coronary artery disease: A meta-analysis. [letter-in reply]. *Arch Intern Med* 2001; 161:833-838.
18. Nallamotheu BK, **Saint S**, Rubenfire M, Fendrick AM. Electron-beam computed tomography as a population screening tool [letter-in reply]. *Arch Intern Med* 2001; 161(21):2625.
19. **Saint S**. Do silver alloy catheters increase the risk of systemic argyria? [letter-in reply] *Arch Intern Med*, 2001; 161(7):1015.

20. Ahn A, Nallamotheu B, **Saint S**. "We're jinxed" - are residents' fears of being jinxed during an on-call day founded? [letter]. *Am J Med*, 2002; 112(6):504.
21. Wachter RM, Shojania KG, **Saint S**, Markowitz AJ, Smith M. Learning from our mistakes: quality grand rounds, a new case-based series on medical errors and patient safety. [editorial] *Annals of Internal Medicine*, 2002; 136(11):850-852.
22. Cram P, Nallamotheu BK, Fendrick AM, **Saint S**. Fast food franchises in hospitals. [research letter] *JAMA*, 2002; 287(22):2945-6.
23. Nallamotheu BK, **Saint S**, Eagle KA. Volume and outcome. [letter] *N Engl J Med* 2002; 347(9):693-6.
24. Bent S, **Saint S**. The optimal use of diagnostic testing in women with acute uncomplicated cystitis. [review] *Dis Mon* 2003; 49(2):83-98.
25. Chenoweth CE, **Saint S**. Prophylactic methenamine reduced the risks of bacteriuria and urinary tract infection after gynecological surgery. [commentary] *Evidence-based Obstetrics and Gynecology*, 2003;5:30-31.
26. Nallamotheu BK, Eagle KA, **Saint S**. Coronary artery bypass surgery, hospital volume, and risk. *Circulation*, 2003;108(1):e6-7; author reply e6-7.
27. **Saint S**, Flanders SA. Hospitalists in teaching hospitals: Opportunities but not without danger. [editorial] *J Gen Intern Med* 2004;19:392-393.
28. Piotrowski M, **Saint S**. Anatomy of an error: dissecting an adverse event in order to enhance patient safety. *Patient Safety Supplement to the Hospitalist* 2004;21-25.
29. Piotrowski M, Cohen M, Mercier J, **Saint S**, Steinbinder A, Thompson M. Introducing the national patient safety goals department: Sharing programs of excellence from individual organizations. *Joint Commission Journal on Quality and Patient Safety*, 2005;31(1):43-46.
30. **Saint S**, Kaufman, SR, Rogers MAM. Transforming ideas into action: The patient safety enhancement program. *The Hospitalist* 2004; 8(6):15-18.
31. **Saint S**. Book Reviews: *ACP Medicine*, 2004-2005 Edition. *N Engl J Med* 2005; 352(9):946-947.
32. Flanders SA, **Saint S**. Getting to the root of the matter [Spotlight]. *AHRQ WebM&M* [serial online]. June 2005. Available at: <http://www.webmm.ahrq.gov/case.aspx?caseID=98>. Accessed June 15, 2005.
33. McMahon LF, Hayward R, **Saint S**, Chernew M, Fendrick AM. Univariate solutions in a multivariate world: Can we afford to practice as in the "Good Old Days"? *Am J Managed Care* 2005; 11(8):473-477.
34. Wachter RM, Shojania KG, Markowitz AJ, Smith M, **Saint S**. Quality grand rounds: The case for patient safety. [editorial] *Ann Intern Med* 2006; 145(8):629-630.
35. Flanders SA, **Saint S**, Collard HR. In response to Silvestri. [letter] *Am J Infect Control* 2007; 35(4):284-285.
36. Yokoe DS, Mermel LA, Anderson DJ, Arias KM, Burstin H, Calfee DP, Coffin SE, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Kaye KS, Klompas M, Lo E, Marschall J, Nicolle L, Pegues DA, Perl TM, Podgorny K, **Saint S**, Salgado CD, Weinstein RA, Wise R,

Classen D. A compendium of strategies to prevent healthcare-associated infections in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S12-21.

37. Marschall J, Mermel LA, Classen D, Arias KM, Podgorny K, Anderson DJ, Burstin H, Calfee DP, Coffin SE, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Kaye KS, Klompas M, Lo E, Nicolle L, Pegues DA, Perl TM, **Saint S**, Salgado CD, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent central line-associated bloodstream infections in acute care hospitals. *Infection Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S22-S30.
38. Coffin SE, Klompas M, Classen D, Arias DM, Podgorny K, Anderson DJ, Bursin H, Calfee DP, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Kaye KS, Lo E, Marschall J, Mermel LA, Nicolle L, Pegues DA, Perl TM, **Saint S**, Salgado CD, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent ventilator-associated pneumonia in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S31-S40.
39. Lo E, Nicolle L, Classen D, Arias KM, Podgorny K, Anderson DJ, Burstin H, Calfee DP, Coffin SE, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Kaye KS, Klompas M, Marschall J, Mermel LA, Pegues DA, Perl TM, **Saint S**, Salgado CD, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent catheter-associated urinary tract infections in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S41-S50.
40. Anderson DJ, Kaye KS, Classen D, Arias KM, Podgorny K, Burstin H, Calfee DP, Coffin SE, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Klompas M, Lo E, Marschall J, Mermel LA, Nicolle L, Pegues DA, Perl TM, **Saint S**, Salgado CD, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent surgical site infections in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S51-S61.
41. Calfee DP, Salgado CD, Classen D, Arias KM, Podgorny K, Anderson DJ, Burstin H, Coffin SE, Dubberke ER, Fraser V, Gerding DN, Griffin FA, Gross P, Kaye KS, Klompas M, Lo E, Marschall J, Mermel LA, Nicolle L, Pegues DA, Perl TM, **Saint S**, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent transmission of methicillin-resistant *Staphylococcus aureus* in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S62-S80.
42. Dubberke ER, Gerding DN, Classen D, Arias KM, Podgorny K, Anderson DJ, Burstin H, Calfee DP, Coffin SE, Fraser V, Griffin FA, Gross P, Kaye KS, Klompas M, Lo E, Marschall J, Mermel LA, Nicolle L, Pegues DA, Perl TM, **Saint S**, Salgado CD, Weinstein RA, Wise R, Yokoe DS. Strategies to prevent *Clostridium difficile* infections in acute care hospitals. *Infect Control Hosp Epidemiol* 2008 Oct; 29 Suppl 1:S81-S92.

Book Chapters:

1. **Saint, S.** America's Best Colleges - University of California at Irvine, In Fischgrund T(Ed): Barron's Top Fifty - An Inside Look at America's Best Colleges, Barron's Educational Series, 1991, p 391-403.
2. **Saint S** (Reference editor). In Tierney LM, McPhee SJ, Papadakis MA (Ed): Current Medical Diagnosis and Treatment (36th Edition). Appleton & Lange, Norwalk, Connecticut, 1997.
3. **Saint S**, Veenstra DL, Sullivan SD. "The Use of Meta-analysis in Cost-Effectiveness Analysis." In Mallarkey G (Editor): Economic Evaluation in Healthcare. Adis International, Auckland, NZ, 1999, p 25-32.

4. Eisner MD, Matthay MA, **Saint S**. "Prevention of Nonpulmonary Complications of Intensive Care." In George RB, Light R, Matthay R, Matthay MA (Editors): Chest Medicine- Essentials of Pulmonary and Critical Care Medicine, 4th Ed. Lippincott Williams & Wilkins, Baltimore, Maryland, 2000, p 639-653.
5. **Saint S**. "Prevention of Nosocomial Urinary Tract Infections." In: Making Health Care Safer: A Critical Analysis of Patient Safety Practices. Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 149-162.
6. **Saint S**. "Prevention of Intravascular Catheter-Associated Infections." In: Making Health Care Safer: A Critical Analysis of Patient Safety Practices. Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 163-184.
7. Collard H, **Saint S**. "Prevention of Ventilator-Associated Pneumonia." Shojania KG, Duncan BW, McDonald KM, Wachter RM, editors. AHRQ Publication No. 01-E058; July 2001, p 185-198.
8. Flanders SA, Collard HR, **Saint S**. "Preventing Nosocomial Pneumonia." Lautenbach E, Woeltje K, editors. Practical Handbook for Healthcare Epidemiologists, 2nd Ed; 2004, p 69-78.
9. Fine PA, **Saint S**. "Dysuria." Tierney LM, Henderson MC, editors. The Patient History – Evidence Based Approach, 1st Ed; 2005, p 349-354.
10. Chenoweth C, **Saint S**. "Infections Associated with Urinary Catheters." Seifert H, Jansen B, Farr B, editors. Catheter Related Infections, Marcel Dekker, Inc., 2005, p 551-584.
11. Chenoweth C, **Saint S**. "Urinary Tract Infections." Williams M, Hayward R, editors. Comprehensive Hospital Medicine: An Evidence Based and Systems Approach, Elsevier, Philadelphia, PA, 2007, p 285-289.
12. Chenoweth C, **Saint S**. "Vascular Catheter-Related Infections." Williams M, Hayward R, editors. Comprehensive Hospital Medicine: An Evidence Based and Systems Approach, Elsevier, Philadelphia, PA, 2007, p 317-321.