

## Sei J. Lee, MD MAS

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### **EDUCATION**

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*Fellowship:* University of California, San Francisco. Geriatrics. 7/06 – 6/07.

*Clinical Research Training:* Master of Advanced Studies: 7/04 – 6/06.

- Suite of courses provided by the Dept of Epidemiology & Biostatistics to train health services researchers to:
  - design, plan, implement clinical research projects
  - analyze, interpret, present data

*Fellowship:* VA National Quality Scholars Program, SFOVAMC. 7/04 – 6/06.

- Training in research and leadership to improve the quality and value of health care services.

*Residency:* University of California, San Francisco. Residency in Internal Medicine, Primary Care. 6/99 – 6/02.

*Medical School:* University of Illinois, College of Medicine. Doctor of Medicine with Honors, 5/99.

*Post-Baccalaureate:* University of California, Berkeley. Pre-Medicine, 1994.

*Post-Baccalaureate:* University of Mississippi. Provisional Teaching Certificate, 1991.

*Baccalaureate:* University of Chicago. Bachelor of Arts in Chemistry, 1991.

- Dean's List: 88-89, 90-91.

### **PEER-REVIEWED and INVITED PUBLICATIONS**

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Mehrotra A, Lee SJ, Dudley RA. Hospital Performance Evaluation: What do we want, How do we get it, and How should we use it? Jun 2003. Accessed on 10/5/06.

<http://www.nbch.org/documents/litreview060603.pdf>

Lee SJ, Lindquist K, Segal MR, Covinsky KE. Development and validation of a prognostic index for 4-year mortality in older adults. JAMA. 2006 Feb 15;295(7):801-8.

Lee SJ, Newman TB. Conventional vs. atypical antipsychotic medications—Letter. N Engl J Med. 2006 Mar 2;354(9):972-4; author reply 972-4.

## **PEER-REVIEWED and INVITED PUBLICATIONS (cont)**

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Lee SJ, Covinsky KE. Prognostic Index for 4-Year Mortality in Older Adults—Reply. JAMA. 2006 Aug 9; 296(6):648-649.

Lee SJ, Moody-Ayers SY, Landefeld CS, Walter LC, Lindquist K, Segal MR, Covinsky KE. The Relationship Between Self-Rated Health and Mortality in Black and White Americans. J Am Geriatr Soc. 2007 Aug 14; 55(10): 1624-9.

Lee SJ, Go AS, Lindquist K, Bertenthal DB, Covinsky KE. Chronic Conditions are Less Predictive of Mortality in the Oldest Old. Am J Public Health. 2008. In press

## **AWARDS and HONORS**

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1997 Alpha Omega Alpha

1999 King's College (London) Scholarship

1999 Thomas Reeves Award

- Voted by my medical school peers as the doctor they would most want to care for themselves or their family

1999 Medical School Commencement Speaker

## **INVITED PRESENTATIONS**

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“Moving Messages Effectively”

- Using my experience with media exposure following the release of my article, presented how best to work with the media in disseminating one's message.
- Presented, Summer Institute 8, National VA Quality Scholars Meeting, Fairlee, VT 8/06

“Bayesian Clinical Reasoning”

- Through a series of cases, presented the importance of considering pre-test probability in determining the likelihood of a diagnosis after testing
- Medicine Grand Rounds, Kaiser-South San Francisco, 3/05

Hospital Performance Reporting and Quality Improvement, 4/03

- Review and synthesis of the literature on hospital performance data and its effect on health care quality
- AHRQ - National Business Coalition for Health conference, Panel discussant, Oak Brook, IL
- Advisor: R. Adams Dudley, MD MBA, Institute for Health Policy Studies, UCSF

“Medicare Reimbursement for Graduate Medical Education: Past, Present and Future.”

- Analysis of the effect of the BBA on GME funding on academic medical centers.
- Presented at UCSF-Division of General Internal Medicine Primary Care Grand Rounds, 1/02.
- Advisor: Jon Showstack, PhD, Institute for Health Policy Studies, UCSF

## **ABSTRACTS**

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### “Chronic Diseases are Less Predictive of Mortality Among the Oldest Old”

- Using the Health and Retirement Study (HRS), explored the association between chronic diseases and mortality among younger and older subjects.
- Presented, California Society of General Internal Medicine (SGIM) Meeting, San Francisco, CA 3/07
- Presented, National SGIM Meeting, Toronto, ON 4/07
- Advisor, Kenneth Covinsky, MD MPH, UCSF Div of Geriatrics

### Volume Mortality Relationships in Complex Surgical Procedures, 3/01

- Review and analysis of published literature on surgical volume-mortality relationships: CABG, CEA, Pancreatic Resection, Esophageal Resection, AAA repair.
- Pacific Business Group on Health
- Advisor: R Adams Dudley, MD MBA, Institute for Health Policy Studies, UCSF

### “To Supplement or Not: That Is the Question.”

- Case report of rhabdomyolysis in the setting of creatine supplementation.
- Presented at the National Assoc of Inpatient Physicians Conf, Atlanta, 3/01.
- Advisor: P. Basaviah, Assistant Prof of Medicine, UCSF

### “Complementary Medicine in Northern Illinois: Attitudes of Patients and Health Providers.”

- Analysis of patient and provider characteristics of complementary medicine utilization in Northern Illinois.
- Presented at the American Public Health Conference, Chicago, 10/99.
- Advisor: R. Christiansen, M.D. Chairman, Dept. of Medicine, UI-COM.

### “Do Community-Oriented Medical Curricula Produce more Generalist Physicians?”

- Analysis of curricular factors that influence generalist versus specialist postgraduate training in US and Canadian medical schools.
- Presented: Conference of the Network of Community-Oriented Health Education Institutions, Mexico City, 10/97.
- Supervisor: B. Salafsky, Pharm.D. Regional Dean, UI-COM.

### “An NMR Study of the Kinetics of the Conformational Isomerization of Cyclohexane.”

- Completed 6/91, for Honors in Chemistry.
- Supervisor: G. Fleming, Ph.D. Chairman, Dept. of Chemistry, U. of Chicago, and A. Bates, Ph.D. Director of Instrumentation.

## **SOCIETY MEMBERSHIPS**

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Society of General Internal Medicine, 2002 – current  
Society of Hospital Medicine, 2002-03. 2005 – current  
American Geriatrics Society, 2005- current  
Society of Medical Decision Making, 2005 – 2006

## **PEER-REVIEW**

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American Journal of Managed Care, 2006 – current  
Journal of the American Geriatrics Society, 2007 - current  
Journal of General Internal Medicine, 2006 - current  
Journal of Hospital Medicine, 2006 - current  
Society of General Internal Medicine National Mtg 2006, Aging Section Scientific Abstracts Reviewer  
Society of General Internal Medicine California Region Mtg 2007, Scientific Abstracts Reviewer

## **TEACHING EXPERIENCES**

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Section Leader, Designing Clinical Research (EPI 202), Summer 2006.

- Led section and critiqued study protocols for post-graduate health professions researchers.

Section Leader, Study Design (CP 124), Winter 2006

- Led section, and graded quizzes and critiques, for 1<sup>st</sup> year Pharmacy students.

Section Leader, Clinical Epidemiology (EPI 204), Fall 2005

- Led discussion, wrote questions, edited textbook, and graded homework for a section of physician researchers.

Morning Conferences, 2000-2001. Presented the following topics:

- Update on Antimicrobial Resistance Patterns Among Nosocomial Pathogens.
- A Rational Approach to Hyponatremia.
- Medical Management of Acute Coronary Syndromes.
- Pulmonary Complications of Sickle Cell Disease.
- Diagnosis of Seronegative Spondyloarthropathies.
- Subclinical Hypothyroidism

UCSF Department of Medicine Housestaff Handbook, Section Editor, 5/00

- Neurology/Psychiatry, Endocrine, Toxicology
- [medicine.ucsf.edu/housestaff/policies/handbook.html](http://medicine.ucsf.edu/housestaff/policies/handbook.html)

## **COMMITTEES**

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Root Cause Analysis (RCA), 12/05

- Advised Home-Based Primary Care and Urology Clinic on improving surveillance of elevated PSA.

Bioethics Advisory Committee, 8/05 – present

- Advised various providers on ethical issues.

Nursing Home (NH) Hypoglycemia Task Force, 4/05

- Using statistical process control techniques, analyzed episodes of hypoglycemia in the SFVAMC Nursing Home.
- Led a committee of physicians, nurse managers, nurse practitioners and diabetic educators.
- Initiated physician and nursing interventions

## **COMMITTEES (cont)**

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Root Cause Analysis (RCA), 11/04

- Advised Surgery and Infectious Disease on improving the initiation and termination of antibiotic in post-surgical patients.

Healthcare Failure Methods Effects and Analysis (HFMEA) on Home O2, 9/04

- Advised RT and Prosthetics on streamlining the process for providing home O2.

Special Care Committee, Kaiser South San Francisco. 7/03 - 6/04.

- Advised changes in policy in hospital operations, including:
  - ACLS certification for Hospitalists, Cardiologists, Intensivists.
  - Use of CPAP and BiPAP in the hospital
  - Data collection activities for quality measures

## **WORK EXPERIENCES**

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*Hospitalist Physician.* Kaiser South San Francisco. 7/02 – 7/04.

- Admitted and rounded on a panel of patients at a busy medium sized hospital.
- Led initiative to educate physicians on the Rx of PE with LMWH

*Analytical Biochemist.* Calypte Biomedical. Berkeley, CA. 1/95 – 4/95.

- Developed an HPLC method for quantitating gp160 from cell culture media.

*Analytical Chemist.* G.D. Searle and Co. Skokie, IL. 6/93 – 8/94.

- Developed methods and performed analyses for the detection of novel compounds in various biological matrices using HPLC and LC-MS.

*High School Teacher.* Clarksdale Public Schools. Clarksdale, MS. 8/91 – 6/92.

- Full-time high school teacher, with 5 classes averaging 25 students in a federally designated teacher deficient area.
- Developed curricula, prepared lessons, maintained discipline, graded student performance, and provided individual tutoring sessions.