



**LEE GOLDMAN, MD**

Lee Goldman, MD, MPH, is the Harold and Margaret Hatch Professor and Executive Vice President for Health and Biomedical Sciences at Columbia University, where he also serves as Dean of the Faculties of Health Sciences and Medicine at Columbia University Medical Center. Dr. Goldman received his undergraduate and medical degrees from Yale University, where he also earned a Masters degree in Public Health. He did his clinical training in medicine at UCSF and Massachusetts General Hospital, and in cardiology at Yale New Haven Hospital. Before joining Columbia he was the Julius R. Krevans Distinguished Professor and Chair of the Department of Medicine and Associate Dean for Clinical Affairs of the School of Medicine at the University of California, San Francisco. Prior to moving to San Francisco, he served as Professor of Medicine at Harvard Medical School, Professor of Epidemiology at Harvard School of Public Health, and Vice Chair of the Department of Medicine and later Chief Medical Officer at Brigham and Women's Hospital.

Dr. Goldman's research has focused on the costs and effectiveness of diagnostic and therapeutic strategies, with special emphasis on how the delivery of medical care can be improved based on the results of high-quality clinical investigation. Dr. Goldman is best known for his pioneering work in applying the latest methods of multivariate analysis, cost-effectiveness, quality-of-life, and computer-simulation models to key topics in clinical medicine. This work at the interface between "public health school methods" and clinical medicine is exemplified by his work predicting the cardiac risk of non-cardiac surgery (the "Goldman Index"), determining which patients with chest pain require hospital admission ("the Goldman Criteria"), establishing priorities for the prevention and treatment of coronary disease (the Coronary Heart Disease Policy Model), and changing the way medical care is delivered (the scientific basis for the now ubiquitous chest-pain evaluation units and the creation of the first academic hospitalist program). His more than 450 publications include more than 20 first- or senior-authored articles in the *New England Journal of Medicine*, the premier journal for patient-oriented research. The more than 45 trainees who have first-authored peer-reviewed publications under his mentorship include many who are now leaders in cardiology, general internal medicine, and public health nationally and internationally. As a creator of the Harvard Program in Clinical Effectiveness (*Nature* 1994;371:100), he has contributed to the training of hundreds of physician investigators and developed approaches that served as one of the models for the National Institutes of Health's K-30 program, which now provides analogous training to patient-oriented researchers at numerous academic medical centers throughout the country.

Dr. Goldman is a member of the American Society for Clinical Investigation; past President of the Association of American Physicians, the Society of General Internal Medicine, and the Association of Professors of Medicine; a Fellow of the American Association for the Advancement of Science; a past director of the American Board of Internal Medicine; and a member of the Institute of Medicine of the National Academy of Sciences. He is the recipient of the Society of General Internal Medicine's highest honor (the Glaser Award) and received the Blake Award from the Association of American Physicians. Dr. Goldman is a past editor of *The American Journal of Medicine*, and he currently serves as the lead editor of the renowned *Cecil Textbook of Medicine* and as co-editor of *Hospital Medicine of Primary Cardiology*.

## Curriculum Vitae

**Name:** Lee Goldman  
**Address:** 448 Riverside Drive, Apt. 91  
New York, NY 10027

**Date of Birth:** January 6, 1948

**Place of Birth:** Philadelphia, Pennsylvania

### **Education:**

1969 B.A. Yale University, New Haven, Connecticut  
1973 M.D. Yale University School of Medicine  
1973 M.P.H. Yale University School of Medicine  
1990 M.A. Harvard University (Honorary)

### **Postdoctoral Training:**

#### **Internship and Residencies:**

1973-1974 Intern in Medicine, Moffitt Hospital, University of California, San Francisco, California  
1974-1975 Junior Resident in Medicine, University of California, San Francisco, California  
1975-1976 Senior Resident in Medicine, Massachusetts General Hospital, Boston, Massachusetts  
1975-1976 Clinical Fellow in Medicine, Harvard Medical School

### **Research Fellowships:**

1976-1978 Fellow in Cardiology, Yale-New Haven Hospital, New Haven, Connecticut

### **Licensure and Certification:**

1975 Massachusetts, License No. 38872  
1976 Diplomate, American Board of Internal Medicine, Certificate No. 54450  
1979 Diplomate, American Board of Internal Medicine, Subspecialty: Cardiology, Certificate No. 54450  
1995 California, License No. G081595

### **Academic Appointments:**

1978-80 Assistant Professor of Medicine at the Peter Bent Brigham Hospital, Harvard Medical School  
1980-82 Assistant Professor of Medicine at the Brigham and Women's Hospital, Harvard Medical School  
1982-83 Assistant Professor of Medicine, Harvard Medical School

1983-89 Associate Professor of Medicine, Harvard Medical School  
 1989-95 Professor of Medicine, Harvard Medical School  
 1992-95 Professor of Epidemiology, Harvard School of Public Health  
 1995-06 Julius R. Krevans Distinguished Professor of Medicine, University  
 of California, San Francisco  
 2006- Executive Vice President for Health and Biomedical Sciences, Columbia  
 University, Dean of the Faculties of Health Sciences and Medicine,  
 Columbia University and the Harold and Margaret Hatch Professor of  
 the University

**Hospital Appointments:**

1978-82 Associate in Medicine, Peter Bent Brigham Hospital (Brigham and  
 Women's Hospital), Boston  
 1982-83 Associate Physician, Brigham and Women's Hospital  
 1983-93 Physician, Brigham and Women's Hospital  
 1987-95 Physician, Beth Israel Hospital, Boston  
 1993-95 Senior Physician, Brigham and Women's Hospital  
 1995-06 Attending Physician, University of California, San Francisco Medical  
 Center

**Other Professional Positions:**

1979-88 Director, General Internal Medicine Fellowship, Peter Bent Brigham  
 Hospital (Brigham and Women's Hospital)  
 1982-87 Associate Director and Director of Research, Division of General  
 Medicine, Brigham and Women's Hospital  
 1983-88 Assistant Physician-in-Chief, Department of Medicine, Brigham and  
 Women's Hospital  
 1986-95 Co-Director, Program in Clinical Effectiveness, Harvard Medical School,  
 and Harvard School of Public Health  
 1987-93 Director, Division of Clinical Epidemiology, Departments of Medicine,  
 Brigham and Women's Hospital and Beth Israel Hospital  
 1988-95 Director, Research Training in Primary Care Internal Medicine (NIH  
 Fellowship Program at Harvard Medical School)  
 1988-93 Treasurer, Brigham Medical Group Foundation  
 1988-90 Vice-Chairman, Consolidated Department of Medicine, Brigham and  
 Women's Hospital and Beth Israel Hospital  
 1990-93 Vice-Chairman, Department of Medicine, Brigham and Women's  
 Hospital  
 1993-95 Chief Medical Officer, Brigham and Women's Hospital  
 1993-95 Member, Operating Committee of Partners HealthCare System, Inc.  
 (Affiliation of Brigham and Women's Hospital with Massachusetts  
 General Hospital)  
 1995-06 Chairman, Department of Medicine, University of California, San  
 Francisco  
 1995-06 Associate Dean for Clinical Affairs, School of Medicine, University of  
 California, San Francisco  
 1999 Acting Vice Chancellor for Medical Affairs, University of California, San  
 Francisco

## Awards and Honors:

1969	<i>Cum Laude</i> , Departmental Honors
1973	<i>Cum Laude, Alpha Omega Alpha</i>
1973	Ferris Prize for Research
1980-83	Teaching and Research Scholar, American College of Physicians
1982-87	Henry J. Kaiser Family Foundation Faculty Scholar in General Internal Medicine
1984	Who's Who in Frontier Science and Technology, 1984-85 (First Edition)
1985-	Who's Who in the World, 1985 and subsequent editions
1986	American Society for Clinical Investigation
1991	Association of American Physicians; Recorder 1993-98, Vice President 2000-01, President 2001-02
1995	Institute of Medicine of the National Academy of Sciences
1997	20th SGIM Annual Meeting, Leadership & Achievement Award
1998	Fellow, American Association for the Advancement of Science
2002	Glaser Award, Society of General Internal Medicine
2002	Blake Award, Association of American Physicians
2002	Guide to America's Top Physicians, Consumer's Research Council of America

## Selected Major Committee Assignments:

### *Local*

1979-93	Internship Selection Committee, Department of Medicine, Brigham and Women's Hospital; Co-Chairperson 1983-1988
1983-90	Brigham-Beth Israel Medical Group Practice Committee
1987-93	Scientific Advisory Committee of the General Clinical Research Center, Brigham and Women's Hospital
1988	Chair, <i>Ad hoc</i> Harvard Medical School Committee to establish a new Clinician/Educator Ladder (later called the Teacher-Clinician Pathway)
1988-91	Faculty Council, Harvard Medical School
1989-90	Chairman, Harvard Medical School Curriculum Subcommittee for the Review of Behavioral Science, Health Policy, Preventive Medicine and Social Medicine
1993-95	Chairman, Care Improvement Council, Brigham and Women's Hospital
1993-95	Chairman, Medical Staff Executive Committee, Brigham and Women's Hospital
1994-95	Chairman, Clinical Program Planning Committee, Brigham and Women's Hospital
1995-2004	Clinical Services Executive Committee, University of California, San Francisco Medical Center
1995-98	Executive Board, Clinical Practice Organization, University of California, San Francisco Medical Group
1997-2000	Board of Directors, UCSF/Stanford Health Care
1997-99	Leadership Group, UCSF/Stanford Health Care
1997-99	Chair, Clinical Policy Committee, UCSF/Stanford Health Care
1999-2000	Chair, Credentials & Policies/Procedures Committee, UCSF/Stanford Health Care Board of Directors
2001-2004	Long Range Planning Committee, UCSF
2000-2006	Executive Board, UCSF Medical Group
2006	Strategic Planning Committee, UCSF

### *National*

1986-	National Heart, Lung, and Blood Institute: Speaker, Workshop on Trends and Determinants of Coronary Heart Disease Mortality. I. The Influence of Medical Care, 1986; Working Group on Rapid Identification and Treatment of Acute Myocardial Infarction, 1990; Chairman, Workshop on Costs and Health Implications of Cholesterol-Lowering, 1990-91; BARI-2D Data and Safety Monitoring Board, 2001-present; Board of Extramural Advisors, 2003-
1990-1994	Agency for Health Care Policy and Research: Task Force on Building Capacity in Primary Care; Clinical Practice Guidelines on Unstable Angina, 1992-94
1992-	Institute of Medicine: Participant, Conference on Forecasting Survival, Health, and Disability; Reviewer, Policy Statement on "Monitoring Access to Personal Health Services"; Member, Committee on National Needs for Biomedical and Behavioral Research Personnel

1996-2002	Association of American Medical Colleges: Forum on the Future of Academic Medicine; Advisory Panel on Research
2000-	Rockefeller Foundation Biomedical Pilot Initiative: Reviewer of Proposals
2002-2006	Giannini Family Foundation, Fellowship Selection Committee
2006-	Sarnoff Cardiovascular Research Foundation, Board of Directors of the Governance Committee

**Editorial Boards and Invited Editorships:**

1984-88	Editorial Board, Emergency Decisions
1985-97	Editorial Board, Journal of Clinical Epidemiology (formerly Journal of Chronic Diseases)
1986-89	Editorial Board, Journal of Cardiothoracic Anesthesia
1988-89	Editorial Board, Primary Cardiology
1989-95	Associate Editor, New England Journal of Medicine
1990-92	Co-Editor, Harvard Heart Letter
1992-95	Chairman, Editorial Board, Harvard Heart Letter (Winner of 1993 Blakeslee Award of the American Heart Association and Honorable Mention, 1993 William Harvey Award)
1990-93	Editorial Advisory Board, Harvard Health Letter
1991-95	Editor-in-Chief, Medical Knowledge Self-Assessment Program Tenth Edition, American College of Physicians
1992-93	Editorial Board, Quality Management in Health Care
1992-93	Host, "This Week in the New England Journal of Medicine" TV show
1995-99	Editorial Board, Journal of the American College of Cardiology
1995-98	Associate Editor, Proceedings of the Association of American Physicians
1996-97	Editorial Board, Journal of General Internal Medicine
1996-	Editorial Board, American Heart Journal
1997	Editorial Board, Annals of Internal Medicine
1997-2004	Editor, American Journal of Medicine
2005-	Editorial Board, Journal of Hospital Medicine

## Memberships in Professional Societies:

1976-	American College of Physicians: Fellow, 1980; Speaker at National Meeting, 1982, 1984, 1989, 1990, 1993, 1994, 1996, 2002, 2005
1978-	Society of General Internal Medicine: Speaker, 1981, 1982, 1984, 1987, 1988, 1991, 1992, 1993, 1996, 1997, 2000, 2001, 2002, 2003, 2004, 2005; National Scientific Session Chairperson, 1984; Technology Assessment Subcommittee, 1982-85; National Meeting Program Director, 1986; Secretary-Treasurer, 1986-88; President-Elect, 1989-90; President, 1990-91; Immediate Past President, 1991-92; Health Policy Committee, 1991-93
1978-1996	American Federation for Clinical Research: Session Co-chairperson, Eastern AFCR, 1981, 1983; Coordinating Chairperson, Health Care/Clinical Epidemiology, National AFCR, 1982; Session Co-Chairperson, 1988, 1991; Theme Symposium Leader, 1995
1978-	American Heart Association: Fellowship Peer Review Committee to select Established Investigators and Clinician Scientists 1988-1990; AHA/ACC Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures 1990; ACC/AHA Subcommittee to Develop Guidelines for Emergency Department Chest Pain Management 1990-92; Invited Speaker at Annual Scientific Sessions 1992, 1993, 1995, 2001; Chair, Session V, Conference on Public Access Defibrillation 1994; Epidemiology Council speaker 2005
1980-	American College of Cardiology: Fellow, 1980; Meet the Experts Speaker, 1983, 1997; Mini-Course Leader, 1984; Bethesda Conference, 1987, 1995; Cardiovascular Norms Committee, 1987-94; Database Committee, 1989-94
1982-95	Society for Medical Decision Making: Session Co-Chairperson, 1981; Workshop Leader, 1982; Scientific Program Committee, 1990
1986-	American Society for Clinical Investigation
1987-	American Association for the Advancement of Science: Fellow (by election) 1998-
1991-	Association of American Physicians: Recorder 1993-98; Council 1998-2000; Vice President 2000-01; President 2001-02
1991-92	Federated Council for Internal Medicine
1993-95	Interurban Clinical Club
1995-	Institute of Medicine of the National Academy of Sciences
1995-2006	Association of Professors of Medicine: Board of Directors, 1998-2006; Treasurer-elect, 2004-05, President 2005-06
1996-2000	American Board of Internal Medicine: Board of Directors
2002-	American Clinical and Climatological Association

## Outside Boards:

1999-2001	Corporate Member, Blue Shield of California
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## Major Research Interests:

1. Prediction of diagnosis and outcome of common cardiac complaints and problems

2. Clinical utility and cost-effectiveness of diagnostic tests and therapeutic interventions
3. Development and application of multivariate analytic techniques

**Principal Clinical and Hospital Service Responsibilities:**

1978-95	Attending Physician, Medical Service, Brigham and Women's Hospital
1979-88	Director, General Medicine Consult Service, Brigham and Women's Hospital
1987-90	Attending Physician, Medical Service, Beth Israel Hospital
1995-2006	Attending Physician, Medical Service, Moffitt/Long Hospital

**Selected Visiting Professorships or Lectures (since 1989):**

1989	American Heart Association Guest Lecturer, University of Alabama Visiting Professor, University of North Carolina 41st Tyndale Professor, University of Utah Mack Lipkin Visiting Professor, Cornell Medical Center
1990	John H. Gibbon, Jr., Lecturer, AOA Medical Honor Society, Thomas Jefferson University Janssen Lecturer, 12th Annual Meeting of the Society of Cardiovascular Anesthesiologists, Orlando, Florida Visiting Professor, Mt. Sinai Hospital Medical Center, New York
1991	Visiting Professor, University of Colorado Health Sciences Center, Denver Visiting Professor, University of Pennsylvania Plenary Speaker, Netherlands Association of Internal Medicine Visiting Professor, University of Cincinnati Featured Speaker, Cardiac Society of Australia and New Zealand, Perth, Australia Visiting Professor, Dartmouth Medical School
1992	Visiting Professor, Baylor College of Medicine Visiting Professor, National Congress of Internal Medicine, Caracas, Venezuela Graugnard Lecturer, Tulane University School of Medicine Visiting Professor, University of Geneva, Switzerland Visiting Professor, Case Western Reserve University/MetroHealth, Cleveland, Ohio
1993	Seventh Annual Charles C. Smith, Jr. Lectureship, Louisville, Kentucky Lecturer Joint Anesthesiology-Cardiology Symposium, Eilat, Israel Visiting Professor, University of Oklahoma, Tulsa Medical Grand Rounds, Memorial Sloan-Kettering Cancer Center Visiting Professor, McMaster University Medical Center, Hamilton, Ontario Visiting Professor, National Institute of Cardiology, Mexico City, Mexico
1994	Speaker, XVI Scientific Reunion, Central America Chapter, American College of Physicians, Panama City, Panama Bernard and Helen Perlman Lecturer of the New York Cardiological Society

- Visiting Professor, Erasmus University Medical School, Rotterdam, The Netherlands  
 Panelist, The Hastings Center 25th Anniversary Celebration, Cambridge, MA
- 1995 Edward Henderson State-of-the-Art Lecturer, American Geriatrics Society, Washington, D.C.  
 Speaker, Symposium to Honor Dr. Suzanne Oparil, University of Alabama, Birmingham
- 1996 Howard P. Lewis Lecturer, Oregon Health Sciences University, Portland  
 AOA Visiting Professor, University of Pittsburgh  
 Visiting Professor, University of California, San Diego  
 Chief Resident's Visiting Professor, Baylor College of Medicine, Houston, TX  
 Visiting Professor, University of Michigan
- 1997 Visiting Professor, Mt. Sinai Hospital Medical Center, New York  
 AOA Visiting Professor, Duke University, Durham  
 14th Annual Marjorie & Jaye Grollman Visiting Lectureship in Cardiology, University of Virginia, Charlottesville  
 Inglefinger Visiting Professor, Boston University
- 1998 Visiting Professor, University of Colorado School of Medicine  
 Visiting Professor, Cornell-New York Hospital  
 Arthur Gordon Visiting Professor, University of California, Los Angeles  
 Visiting Professor, University of Texas, Galveston
- 1999 Hugo Roessler Memorial Lecturer, Temple University, Philadelphia  
 Philip K. Bondy Visiting Professor, Yale University, New Haven  
 Gennaro Tisi Memorial Lecturer, University of California, San Diego  
 Flinn Visiting Professor, University of Arizona  
 Donald K. Buffmire Lecturer, ACP/ASIM, Phoenix, Arizona
- 2000 Visiting Professor, Harbor UCLA Medical Center, Los Angeles  
 Bulfinch Visiting Professor, Massachusetts General Hospital, Boston  
 Sam Grant Visiting Professor, Washington University School of Medicine, St. Louis  
 Grollman Visiting Professor, University of Texas Southwestern Medical School, Dallas
- 2001 Visiting Professor, University of Pennsylvania  
 External Reviewer, School of Medicine, Kyoto University  
 Invited Speaker, Swiss Society of Internal Medicine  
 Visiting Professor, University of California, Davis  
 State-of-the-Art Lecturer, Canadian Cardiovascular Congress  
 Visiting Professor, Southern Illinois University  
 External Reviewer, Department of Medicine, University of Minnesota  
 External Reviewer, Department of Medicine, University of Pittsburgh
- 2002 Solomon Papper Visiting Professor, University of Oklahoma  
 Visiting Professor, Louisiana State University  
 President's Invited Speaker, Society of Gynecologic Oncology  
 Keynote Speaker, National Association of Inpatient Physicians  
 Visiting Professor, Cleveland Clinic  
 External Reviewer, Department of Medicine, University of Medicine and Dentistry of New Jersey
- 2003 Gertler Visiting Professor, McGill University School of Medicine

Visiting Professor, Mayo School of Medicine  
Visiting Professor, Johns Hopkins School of Medicine  
External Reviewer, Department of Medicine, University of Toronto  
Tinsley Harrison Visiting Professor, Vanderbilt University  
Featured Speaker, Taiwan Society of Internal Medicine  
2004 Fifth Annual Jack H. Berman, MD Lecturer, Case Western Reserve  
University School of Medicine  
Visiting Professor, University of Mississippi  
Max Trubek Lecturer, New York University School of Medicine  
Invited Speaker, American Academy of Dermatology  
2005 Ross Kyger Visiting Professor, University of Pennsylvania  
Visiting Professor, Northwestern University School of Medicine  
Visiting Professor, Cleveland Clinic

## Active Awards:

1. N01 HC35130 08/01/02-07/31/05  
University of Texas, Houston \$148,975 Annual Direct Costs  
ALLHAT Subcontract (PI: Lee Goldman, MD) 10% effort  
No cost extension

### Cost Effectiveness of Treating Hypertension

The investigators will use actual data from the ALLHAT trial, supplemented by the best possible estimates of long-term outcomes after the conclusion of the study, to perform a state-of-the-art cost-effectiveness analysis of the ALLHAT interventions.

2. FAMRI Award (PI: Neal Benowitz, MD) 07/01/02-6/30/06  
Flight Attendant Medical Research Institute \$1,439,320 Annual Direct Cost  
UCSF Environmental Tobacco Smoke Center of Excellence 15% effort  
Health Policy Project (PI: Lee Goldman until 6/30/06;  
Now Kirsten Bibbins Domingo)  
Scientific research will focus on four areas: pulmonary disease, cardiovascular disease, exposure assessment, and policy to study health effects of environmental tobacco smoke.

## Bibliography:

### *Original Reports:*

1. Goldman L, Ebbert A, Jr. The fate of medical student liberalism: A prediction. J Med Educ 1973;48:1095-1103.
2. Goldman L, Cannon J, Davey LM. Private physicians' attitudes toward changing their practices. Conn Med 1974;38:177-180.
3. Goldman L. Doctors' attitudes toward national health insurance. Med Care 1974;12:413-423.
4. Goldman L. Factors related to physicians' medical and political attitudes: A documentation of intraprofessional variations. J Health Soc Behav 1974;15:177-187.
5. Goldman L, Caldera DL, Nussbaum SR, Southwick FS, Krogstad D, Murray B, Burke DS, O'Malley TA, Goroll AH, Caplan CH, Nolan J, Carabello B, Slater EE. Multifactorial index of cardiac risk in non-cardiac surgical procedures. N Engl J Med 1977;297:845-850.
6. Goldman L. Supraventricular tachyarrhythmias in hospitalized adults after surgery: Clinical correlates in patients over 40 years of age after major non-cardiac surgery. Chest 1978;73:450-454.
7. Goldman L, Caldera DL, Southwick FS, Nussbaum SR, Murray B, O'Malley TA, Goroll AH, Caplan CH, Nolan J, Burke DS, Krogstad D, Carabello B, Slater EE. Cardiac risk factors and complications in non-cardiac surgery. Medicine (Baltimore) 1978;47:357-370.
8. Goldman L, Feinstein AR. Anticoagulants and myocardial infarction: The problems of pooling, drowning, and floating. Ann Intern Med 1979;90:92-94.

9. Alexander JA, Dainiak N, Berger HJ, Goldman L, Johnstone D, Reduto L, Duffy T, chwartz P, Gottschalk A, Zaret BL. Serial assessment of doxorubicin cardiotoxicity with quantitative radionuclide angiocardiology. *N Engl J Med.* 1979;300:278-283.
10. Goldman L, Caldera DL. Risks of general anesthesia and elective surgery in the hypertensive patient. *Anesthesiology* 1979;50:285-292.
11. Wackers FJ Th, Berger HJ, Johnstone DE, Goldman L, Reduto LA, Langou RA, Gottschalk A, Zaret BL. Multiple gated cardiac blood pool imaging for left ventricular ejection fraction: Validation of the technique and assessment of variability. *Am J Cardiol* 1979;43:1159-1166.
12. Goldman L, Batsford WP. Risk-benefit stratification as a guide to lidocaine prophylaxis of primary ventricular fibrillation in acute myocardial infarction. *Yale J Biol Med* 1979;52:455-466.
13. Goldman L, Loscalzo A. Fate of cardiology research originally published in abstract form. *N Engl J Med* 1980;303:255-259.
14. Freidin RB, Goldman L, Cecil RR. Patient-physician concordance in problem identification in the primary care setting. *Ann Intern Med.* 1980;93:490-493.
15. Goldman L, Feinstein AR, Batsford WP, Cohen LS, Gottschalk A, Zaret BL. Ordering patterns and clinical impact of cardiovascular nuclear medicine procedures. *Circulation* 1980;62:680-687.
16. Goldman L. Non-cardiac surgery in patients on propranolol. *Arch Intern Med* 1981;141:193-196.
17. Woo B, Jen P, Rosenthal PE, Bunn HF, Goldman L. Anemic inpatients: Correlates of house officer performance. *Arch Intern Med* 1981;141:1199-1202.
18. Goldman L, Waternaux C, Garfield F, Cohn PF, Strong R, Barry WH, Cook EF, Rosati R, Sherman H. Impact of a cardiology data bank on physicians' prognostic estimates. *Arch Intern Med* 1981;141:1631-634.
19. Goldman L, Hashimoto B, Cook EF, Loscalzo A. Comparative reproducibility and validity of systems for the assessment of cardiovascular functional class. The advantage of a new Specific Activity Scale. *Circulation* 1981;64:1227-1234.
20. Goldman L, Loscalzo A. Publication rates of research originally presented in abstract form in three subspecialties of internal medicine. *Clin Res* 1982;30:13-17.
21. Goldman L, Freidin RB, Cook EF, Eigner J, Grich P. A multivariate approach to the prediction of appointment keeping in a primary care center. *Arch Intern Med* 1982;142:563-567.

22. Goldman L, Cook EF, Hashimoto B, Stone P, Muller J, Loscalzo A. Evidence that hospital care for acute myocardial infarction has not contributed to the decline in coronary mortality between 1973-74 and 1978-79. *Circulation* 1982;65:936-942.
23. Day SC, Cook EF, Funkenstein H, Goldman L. Evaluation and outcome of emergency room patients with transient loss of consciousness. *Am J Med* 1982;73:15-23.
24. Goldman L, Weinberg M, Weisberg M, Olshen R, Cook EF, Sargent RK, Lamas GA, Dennis C, Wilson C, Deckelbaum L, Fineberg H, Stiratelli R. A computer-derived protocol to aid in the diagnosis of emergency room patients with acute chest pain. *N Engl J Med* 1982;307:588-596.
25. Goldman L, Cook EF, Mitchell N, Flatley M, Sherman H, Rosati R, Harrell F, Lee K, Cohn PF. Incremental value of the exercise test for diagnosing the presence or absence of coronary artery disease. *Circulation* 1982;66:945-953.
26. Goldman L, Cook EF, Mitchell N, Flatley M, Sherman H, Cohn PF. Pitfalls in the serial assessment of cardiac functional status. *J Chronic Dis* 1982;35:763-771.
27. Lee T, Pappius E, Goldman L. The impact of inter-physician communication on the effectiveness of medical consultations. *Am J Med* 1983;74:106-112.
28. Goldman L, Cook EF, Mudge GH. The changing natural history of symptomatic coronary artery disease: Basis versus bias. *Am J Cardiol* 1983;51:449-454.
29. Goldman L, Sayson R, Robbins S, Cohn LH, Bettman M, Weisberg M. The value of the autopsy in three medical eras. *N Engl J Med* 1983;308:1000-1005.
30. Jen P, Woo B, Rosenthal PE, Bunn HF, Loscalzo A, Goldman L. The value of the peripheral blood smear in anemic inpatients: The laboratory's reading versus a physician's reading. *Arch Intern Med* 1983;143:1120-1125.
31. Goldman L, Cohn PF, Mudge GH, Hashimoto B, Sherman H, Wynne J, Flatley M. Clinical utility and management impact of M-mode echocardiograms. *Am J Med* 1983;75:49-56.
32. Bigby J, Giblin J, Pappius EM, Goldman L. Appointment reminders to reduce no-show rates: A stratified analysis of their cost-effectiveness from the standpoint of the medical care facility. *JAMA* 1983;250:1742-1745.
33. Goldman L, Lee T, Rudd P. Ten commandments for effective consultations. *Arch Intern Med* 1983;143:1753-1755.
34. Fineberg H, Scadden D, Goldman L. Care of patients with a low probability of acute myocardial infarction: Cost-effectiveness of alternatives to coronary care unit admission. *N Engl J Med* 1984;310:1301-1307.
35. Li TCM, Sherman H, Cook EF, Mudge GH Jr, Mitchell N, Flatley M, Rosati R, Goldman L. The selective impact of a cardiology data bank on physicians' therapeutic recommendations. *Med Decis Making* 1984;4:165-176.

36. Bigby J, Pappius E, Cook EF, Goldman L. Medical consequences of missed appointments. *Arch Intern Med* 1984;144:1163-1166.
37. Day SC, Cook EF, Nesson HR, Wolf MA, Goldman L. A learning curve approach to the self-assessment of internal medicine training. *J Med Educ* 1984;59:672-675.
38. Li TCM, Phillips MC, Shaw L, Cook EF, Natanson C, Goldman L. On-site physician staffing in a community hospital intensive care unit: Impact on test and procedure use and on patient outcome. *JAMA* 1984;252:2023-2027.
39. Cook EF, Goldman L. Empiric comparison of multivariate analytic techniques: Advantages and disadvantages of recursive partitioning analysis. *J Chronic Dis* 1984;37:721-731.
40. Goldman L, Cook EF. The decline in ischemic heart disease mortality rates: An analysis of the comparative effects of medical interventions and changes in lifestyle. *Ann Intern Med* 1984;101:825-836.
41. Lee TH, Friedman PL, Goldman L, Stone PH, Antman EM. Sinus arrest and hypotension with combined amiodarone-diltiazem therapy. *Am Heart J* 1985;109:163-164.
42. Lee TH, Cook EF, Weisberg M, Sargent RK, Wilson C, Goldman L. Acute chest pain in the emergency ward: Identification and evaluation of low-risk patients. *Arch Intern Med* 1985;145:65-69.
43. Shea S, Cook EF, Kannel WB, Goldman L. Treatment of hypertension and its effect on cardiovascular risk factors: Data from the Framingham Heart Study. *Circulation* 1985;71:22-30.
44. Shiang EL, Epstein A, Goldman L. Who provides gynecologic care to women who see internists. Patterns and implications in a primary care internal medicine center. *Am J Prev Med* 1985;1:15-21.
45. Hemenway D, Sherman H, Mudge GH Jr, Flatley M, Lindsey NM, Goldman L. Comparative costs versus symptomatic and employment benefits of medical versus surgical treatment of stable angina pectoris. *Med Care* 1985;23:133-141.
46. Harris T, Cook EF, Kannel W, Schatzkin A, Goldman L. Blood pressure experience and risk of cardiovascular disease in the elderly. *Hypertension* 1985;7:118-124.
47. Hoagland PM, Cook EF, Flatley M, Walker C, Goldman L. A case-control analysis of risk factors for presence of aortic stenosis in adults-age 50 years. *Am J Cardiol* 1985;55:744-747.
48. Woo B, Woo B, Cook EF, Weisberg M, Goldman L. Screening procedures in the asymptomatic adult: Comparison of physicians' recommendations, patients' desires, published guidelines, and actual practice. *JAMA* 1985;254:1480-1484.

49. Wasson JH, Sox HC, Neff RK, Goldman L. Clinical prediction rules: Applications and methodologic standards. *N Engl J Med* 1985;313:793-799.
50. Eagle KA, Black HR, Yale-New Haven Hospital Medical Housestaff, Cook EF, Goldman L. Evaluation of prognostic classifications for patients with syncope. *Am J Med* 1985;79:455-460.
51. Goldman L, Shea S, Wolf M, Braunwald E. Clinical and research training in parallel: The internal medicine research residency track at the Brigham and Women's Hospital. *Clin Res* 1986;34:1-6.
52. Hemenway D, Sherman H, Mudge GH Jr, Flatley M, Lindsey NM, Goldman L. Benefits of experience: Treating coronary artery disease. *Med Care* 1986;24:125-133.
53. Hoagland PM, Cook EF, Wynne J, Goldman L. Value of non-invasive testing in adults with suspected aortic stenosis. *Am J Med* 1986;80:1041-1050.
54. Lee TH, Cook EF, Goldman L. Prospective evaluation of a clinical and exercise-test model for the prediction of left main coronary artery disease. *Med Decis Making* 1986;6:136-144.
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2. Goldman L, Braunwald E, eds. *Primary Cardiology*. W.B. Saunders, Philadelphia 1998.
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  - Chapter 2. Goldman L. Clinical decision-making.
  - Chapter 6. Goldman L. Chest pain.
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Braunwald E, Goldman L, eds. *Primary Cardiology*, 2<sup>nd</sup> Edition. W.B. Saunders, Philadelphia, 2003.

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- Chapter 2. Goldman L. Clinical decision-making.
- Chapter 6. Goldman L. Approach to the patient with chest pain.
- Chapter 14. Adler JS, Goldman L. Approach to the patient undergoing non-cardiac surgery.
- Chapter 24. Chatterjee K, Gibson CM, Goldman L. Recognition and management of patients with stable angina pectoris.

3. Goldman L, Bennett JC, eds. *Cecil Textbook of Medicine*, 21<sup>st</sup> Edition. W.B. Saunders, Philadelphia 2000.
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Goldman L, Ausiello D, eds. *Cecil Textbook of Medicine*, 22<sup>nd</sup> Edition. W.B. Saunders, Philadelphia, 2004.

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- Chapter 46. Goldman L. Approach to the patient with possible cardiovascular disease.

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6. Goldman L, Bennett JC, eds. *Cecil Textbook of Medicine for PDA*. W.B. Saunders, Philadelphia, 2004.

***Contributions in Other Media:***

**Videos:** "This Week in the New England Journal of Medicine", a weekly television show on Lifetime national cable network.

	<u>Air Date</u>
1. Tacrine to Treat Alzheimer's Disease	November 1, 1992
2. Aortic Valvuloplasty	November 8, 1992
3. International Magazine Show	November 15, 1992
4. Treatment of Acute Head Injuries	November 22, 1992
5. Fetal Transplantation for Parkinson's Disease	November 29, 1992
6. Gaucher's Disease	December 6, 1992
7. Women and AIDS	December 13, 1992
8. Lyme Disease	December 20, 1992
9. Neural Tube Defects	December 27, 1992
10. Hepatitis C	January 3, 1993
11. Aortic Dissection	January 10, 1993
12. Head and Neck Cancer	January 24, 1993
13. Pancreatitis	January 31, 1993
14. Sexual Harassment; Ulcers	February 7, 1993
15. Non-AIDS Lymphocyte Depletion Syndromes	February 14, 1993
16. Calcium and Osteoporosis	February 21, 1993
17. Tuberculosis	February 28, 1993
18. Supply of Primary Care Physicians	March 7, 1993
19. Angioplasty vs. Thrombolysis for Acute Myocardial Infarction	March 14, 1993
20. Magnetic Resonance Imaging	March 21, 1993
21. Indications for Hysterectomy	March 28, 1993
22. Treatment of Hypertension	April 4, 1993
23. Treatment of Chronic Obstructive Pulmonary Disease	April 11, 1993
24. Glaucoma	April 18, 1993
25. Abdominal Aortic Aneurysm	April 25, 1993
26. Sleep Apnea	May 2, 1993
27. Valve Replacement; Neutropenia	May 9, 1993
28. Colorectal Cancer	May 16, 1993
29. Vitamin E and Heart Disease	May 23, 1993
30. RU 486 to Induce Abortion	May 30, 1993
31. Breast Cancer	June 27, 1993
32. Treatment of Congestive Heart Failure	July 25, 1993