

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Jeffrey A. Gornbein, Dr. PH.		POSITION TITLE Statistician	
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of California, Los Angeles	B.A.	1978	Mathematics
University of California, Los Angeles	M.S.	1983	Biostatistics
University of California, Los Angeles	Dr.PH.	1987	Public Health-Statistics

A. Positions and Honors:

- 1982-1983 Special project: Assisted graduate students in UCLA Neuropsychiatric Institute in applying statistical techniques for a child abuse study.
- 1986-1987 Statistical Intern Procter & Gamble Co. Cincinnati, OH
- 1987-1988 Statistician BMDP Statistical Software Inc. Los Angeles, CA
- 1988-pres Senior statistician, Statistical/Biomathematical Consulting Clinic UCLA School of Medicine
- 1989-pres Lecturer in Biomathematics, Department of Biomathematics, UCLA School of Medicine
- 2002-pres Lecturer in Biostatistics, UCLA School of Public Health
- 1993-pres Deputy Director, Statistical/Biomathematical Consulting Clinic, UCLA School of Medicine.
- 2008-pres Lecturer in Biostatistics – Cedars-Sinai Graduate Program

B. Selected Publications:

- Kimme-Smith C, Bassett L, Gold R, Zheutlin J, Gornbein J. New mammography screen-file combinations - imaging characteristics and doses. *Am Roentgen Ray Soc* 1990;154:713-719.
- Fiala M, Cone L Christopher R, Kermani V, Gornbein J. Human immunodeficiency virus type I antigenemia is enhanced in patients with disseminated cytomegalovirus infection and deficient T lymphocytes. *Res in Imm (Institut Pasteur)* 1991;142:815-9.
- McDiarmid SJ, Gornbein JA, Fortunat M, et al. Serum Lipid Abnormalities in Pediatric Liver Transplant Patients. *Transplantation.* 1992;53: 109-15.
- Fiala M, Kermani V, Gornbein J. Role of CD8+ in late opportunistic infections of patients with AIDS Research. *Immunology* 1992;143:903-7.
- Buckman A, Dubin M, Jenden D, Moukarzel A, Roch M, Rice K, Gornbein J, Ament M. Lecithin Increases Plasma Free Choline and Decreases Hepatic Steatosis in Long term TPN Patients. *Gastroenterology* 1992;102:1363-70.
- Pullinger AG, Seligman DA, Gornbein J. A multiple logistic regression analysis of the risk and relative odds of temporomandibular disorders as a function of common occlusal features. *J of Dental Research* 1993;72:968-789.
- Martin FC, Anton P, Gornbein J, Shanahan F, Merrill J. Production of IL1 by microglia in response to substance P: role for a nonclassical NK-1 receptor. *J Neuroimmunology.* 1993;42:56-60.
- Ramirez JA, Goodman WG, Gornbein J, Menezes C, Moulton OL, Segre G, Salusky I. Directo in Vivo Comparison of Calcium-regulated Parathyroid Hormone Secretion in Normal Volunteers and Patients with Secondary Hyperparathyroidism. *J Clinical Endocrinology and Metabolism* 1993;76:1489-1494.
- Buyalos R, Geffner M, Watanabe R, Bergman R, Gornbein J, Judd H. The Influence of LH and Insulin on Sex Steroids and Sex Hormone-Binding Globulin in Polycystic Ovarian Syndrome. *Fertility and Sterility* 1993;60:626-33.
- Buchman AL, Moukarzel A, Ament ME, Gornbein J, Goodson B, Carlson C, Hawkins RA. Serious Renal Impairment is Associated with Long-Term Parenteral Nutrition. *J of Parenteral and Enteral Nutrition* 1993;17:438-44.

11. Gratt B, Sickles E, Ross J, Wexler C, Gornbein J. Thermographic Assessment of Craniomandibular Disorders: Diagnostic Interpretation vs. Temperature Measurement Analysis. *J Orofacial Pain* 1994;8:278-288.
12. Buchman A, Moukarzel M, Goodson B, Herzog F, Pollack P, Reyen L, Alvarez M, Ament A, Gornbein J. Catheter-related infections associated with home parenteral nutrition and predictive factors for the need for catheter removal in their treatment. *J of Parenteral and Enteral Nutrition* 1994;18:297-302.
13. Cummings JL, Mega M, Gray K, Rosenberg-Thompson S, Carusi DA, Gornbein J. The Neuropsychiatric Inventory: Comprehensive Assessment of Psychopathology in Dementia. *Neurology* 1994;44:2308-14.
14. Castro L, Hobel C, Gornbein J. Plasma Levels of Atrial Natriuretic Peptide in Normal and Hypertensive Pregnancies: A Meta-Analysis. *Am J of Obstetrics and Gynecology* 1994;171:1642-51.
15. Kossovsky N, Gornbein J, Zeidler M, Stassi J, Chun G, Papasian N, Nguyen A, Ly K, Rajguru S. Self-Reported Signs and Symptoms in Breast Implant Patients with Novel Antibodies to Silicone Surface Associated Antigens. *J Applied Biomaterials* 1994;6:153-160.
16. Middlekauff HR, Stevenson WG, Gornbein J. Antiarrhythmic Prophylaxis vs. Warfarin Anticoagulation to Prevent Thromboembolic Events Among Patients with Atrial Fibrillation: A Decision Analysis. *Archives of Int Med* 1995;155:913-920.
17. Cummings JL, Ross W, Absher J, Gornbein J, Hadjiaghai L. Depressive symptoms in Alzheimer disease: assessment and determinants. *Alzheimer Disease and Associated Disorders* 1995;9:87-93.
18. Swisher S, Holmes E, Hung K, Gornbein J, Zinner M, McFadden D. Perioperative Blood Transfusions and Decreased Long-term Survival in Esophageal Cancer. *J Thoracic and Cardiovasc Surgery* 1996;112:341-348.
19. Gralnek I, Jensen DM, Kovacs TOG, Jutabha R, Jensen ME, Cheng S, Gornbein J, and the CURE Hemostasis Research Group. An economic analysis of patients with active peptic ulcer hemorrhage treated with endoscopic heater probe, injection sclerosis or surgery in a prospective randomized trial. *Gastrointestinal Endoscopy* 1997;46:105-112.
20. Jensen DM, Machicado GA, Jutabha R, Ohning G, Jensen ME, Cheng S, Gornbein J, Hirabayashi K, Randall G. Prospective randomized comparative study of bipolar electrocoagulation versus heater probe for treatment of chronically bleeding internal hemorrhoids. *Gastrointestinal Endoscopy* 1997;46:435-43.
21. Gralnek I, Jensen DM, Gornbein J, Kovacs TOG, Jutabha R, Freeman ML, King J, Jensen ME, Cheng S, Machicado GA, Smith J, Sue M, Randall G. Clinical and economic outcomes of individuals with severe peptic ulcer hemorrhage and a non-bleeding visible vessel: An analysis of two prospective clinical trials. *Am J Gastro* 1998;93:2047-2056.
22. Cherry JD, Gornbein JA, Heining U. A search for serologic correlates of immunity to *Bordetella pertussis* cough illnesses. *Vaccine* 1998 Vol 16 No 20 1901-1906
23. Gralnek IM, Jensen DM, Kovacs TOG, Jutabha R, Machicado GA, Gornbein J, King J, Cheng S, Jensen ME. The economic impact of variceal hemorrhage. Cost-effectiveness implications of endoscopic therapy. *Hepatology* 1999;29:44-50.
24. Markmann JF, Gornbein J, Markowitz JS, Levy MF, Klintmalm GB, Yersiz H, Morrissey M, Drazan K, Farmer DG, Ghobrial RM, Goss J, Seu P, Martin P, Goldstein LI, Busutil RW. A simple model to estimate survival after retransplantation of the liver. *Transplantation* 1999;3:422-430.
25. Lee DA, Gornbein J, Abrams C. The effectiveness and safety of brimonidine as mono-, combination, or replacement therapy for patients with primary open-angle glaucoma or ocular hypertension: a post hoc analysis of an open-label community trial. *Glaucoma Trial Study Group. J Ocul Pharmacol Ther* 2000;1:3-18.
26. Vincent JM, Cherry JD, Nauschuetz WF, Lipton A, Ono CM, Costello CN, Sakaguchi LK, Hsue G, Jackson LA, Tachdjian R, Cotter PA, Gornbein JA. Prolonged afebrile nonproductive cough illnesses in American soldiers in Korea: a serological search for causation. *Clin Infect Dis* 2000;3:534-539.
27. Weng EY, Juillard GJ, Parker RG, Chang HR, Gornbein JA. Outcomes and factors impacting local recurrence of ductal carcinoma in situ. *Cancer* 2000;7:1643-1649.
28. Hadley J, Young DA, Eversole LR, Gornbein JA. A laser-powered hydrokinetic system for caries removal and cavity preparation. *J Am Dent Assoc* 2000;6:777-785.
29. Hodder SL, Cherry JD, Mortimer Jr EA, Ford AB, Gornbein J, Papp K. Antibody responses to *Bordetella pertussis* antigens and clinical correlations in elderly community residents. *Clin Infect Dis* 2000;1:7-14.
30. Quiros-Tejeira RE, Ament ME, Heyman MB, Martin MG, Rosenthal P, Gornbein JA, McDiarmid SV, Vargas JH. Does liver transplantation affect growth pattern in Alagille syndrome? *Liver Transpl* 2000;5:582-587.

31. Petz LD, Garratty G, Calhoun L, Clark BD, Terasaki PI, Gresens C, Gornbein JA, Landaw EM, Smith R, Cecka JM. Selecting donors of platelets for refractory patients on the basis of HLA antibody specificity. *Transfusion* 2000;12:1446-56.
32. Huang MH, Harrison GG, Mohamed MM, Gornbein JA, Henning SM, Go VL, Greendale GA. Assessing the accuracy of a food frequency questionnaire for estimating usual intake of phytoestrogens. *Nutr Cancer* 2000;37:145-54.
33. Xie D, Miller CW, O'Kelly J, Nakachi K, Sakashita A, Said JW, Gornbein J, Koeffler HP. Breast cancer. Cyr61 is overexpressed, estrogen-inducible, and associated with more advanced disease. *J Biol Chem* 2001;17:14187-14194.
34. Lee DA, Gornbein JA. Effectiveness and safety of brimonidine as adjunctive therapy for patients with elevated intraocular pressure in a large, open-label community trial. *J Glaucoma* 2001;3:220-226.
35. Saigal CS, Gornbein J, Nease R, Litwin MS. Predictors of utilities for health states in early stage prostate cancer. *J Urol* 2001;3:942-946.
36. Ghobrial RM, Steadman R, Gornbein J, Lassman C, Holt CD, Chen P, Farmer DG, Yersiz H, Danino N, Collisson E, Baquarizo A, Han SS, Saab S, Goldstein LI, Donovan JA, Esrason K, Busuttil RW. A 10-year experience of liver transplantation for hepatitis C: analysis of factors determining outcome in over 500 patients. *Ann Surg* 2001;3:384-393.
37. Markmann JF, Markmann JW, Markmann DA, Bacquerizo A, Singer J, Holt CD, Gornbein J, Yersiz H, Morrissey M, Lerner SM, McDiarmid SV, Busuttil RW. Preoperative factors associated with outcome
38. Farmer DG, Yersiz H, Ghobrial RM, McDiarmid SV, Gornbein J, Le H, Schlifke A, Amersi F, Maxfield A, Amos N, Restrepo GC, Chen P, Dawson S 3rd, Busuttil RW. Early graft function after pediatric liver transplantation: comparison between in situ split liver grafts and living-related liver grafts. *Transplantation* 2001;11:1795-1802.
39. Dulai GS, Guha S, Kahn KL, Gornbein J, Weinstein WM. Preoperative prevalence of Barrett's esophagus in esophageal adenocarcinoma: a systematic review. *Gastroenterology* 2002;1:26-33.
40. Anselmo DM, Ghobrial RM, Jung LC, Weaver M, Cao C, Saab S, Kunder G, Chen PW, Farmer DG, Yersiz H, Baquerizo A, Geevarghese S, Han SH, Goldstein L, Holt CD, Gornbein JA, Busuttil RW. New era of liver transplantation for hepatitis B: a 17-year single-center experience. *Ann Surg* 2002;5:611-619.
41. Saigal CS, Gornbein J, Reid K, Litwin MS. Stability of time trade-off utilities for health states associated with the treatment of prostate cancer. *Qual Life Res* 2002;5:405-414.
42. Jensen DM, Kovacs TO, Jutabha R, Machicado GA, Gralnek IM, Savides TJ, Smith J, Jensen ME, Alofaituli G, Gornbein J. Randomized trial of medical or endoscopic therapy to prevent recurrent ulcer hemorrhage in patients with adherent clots. *Gastroenterology* 2002;2:407-413.
43. Namazie A, Alavi S, Olopade OI, Pauletti G, Aghamohammadi N, Aghamohammadi M, Gornbein JA, Calcaterra TC, Slamon DJ, Wang MB, Srivatsan ES. Cyclin D1 amplification and p16(MTS1/CDK4I) deletion correlate with poor prognosis in head and neck tumors. *Laryngoscope* 2002;3:472-481.
44. Ghobrial RM, Gornbein J, Steadman R, Danino N, Markmann JF, Holt C, Anselmo D, Amersi F, Chen P, Farmer DG, Han S, Derazo F, Saab S, Goldstein LI, McDiarmid SV, Busuttil RW. Pretransplant model to predict posttransplant survival in liver transplant patients. *Ann Surg* 2002;3:315-322.
45. Gregory KD, Korst LM, Gornbein JA, Platt LD. Using administrative data to identify indications for elective primary cesarean delivery. *Health Serv Res* 2002;5:1387-1401.
46. Dulai GS, Gralnek IM, Oei TT, Chang D, Alofaituli G, Gornbein J, Kahn K. Utilization of health care resources for low-risk patients with acute, nonvariceal upper GI hemorrhage: an historical cohort study. *Gastrointest Endosc* 2002;3:321-7.
47. Dulai G, Guha S, Kahn K, Gornbein J, Weinstein WM. Preoperative prevalence of Barrett's esophagus in esophageal adenocarcinoma: a systematic review. *Gastroenterology* 2002;122:26-33.
48. Laine E, Steadman R, Calhoun L, Blackall D, Levin P, Braunfeld M, Nourmand H, Neelakanta G, Ting L, Gornbein J, Busuttil R, Petz L. Comparison of RBCs and FFP with whole blood during liver transplant surgery. *Transfusion* 2003;3:322-327.
49. Shau H, Chandler GS, Whitelegge JP, Gornbein JA, Faull KF, Chang HR. Proteomic profiling of cancer biomarkers. *Brief Funct Genomic Proteomic*. 2003 Jul;2(2): 147-58 (review article)
50. Kanwal F, Chen D, Ting L, Gornbein J, Saab S, Durazo F, Yersiz H, Farmer D, Ghobrial RM, Busuttil RW, Han Sh, A model to predict the development of mental status changes of unclear cause after liver transplantation. *Liver Transpl*, 2003, Dec;9(12)1312-9

51. Baquerizo A, Anselmo D, Shackleton C, Chen TW, Cao C, Weaver M, Gornbein J, Geevarghese S, Nissen N, Farmer D, Demetriou A, Busuttil RW. Phosphorus as an early predictive factor in patients with acute liver failure. *Transplantation* 2003;12:2007-2014.
52. Korst LM, Gregory KD, Gornbein JA. Elective primary caesarean delivery: accuracy of administrative data. *Paediatr Perinat Epidemiol.* 2004 Mar; 18(2):112-9.
53. Jutabha R, Jensen DM, Martin P, Savides T, Han S-H, Gornbein J. Randomized study comparing banding and propranolol to prevent initial variceal hemorrhage in cirrhotics with high-risk esophageal varices. *Gastroenterology* 2005;128:870-881.
54. Jensen DM, Gornbein J. Liver transplantation is (not) a time dependent prognostic predictor in cirrhotic patients with esophageal varices. *Gastroenterology* 2005;129:770.
55. Shen D, Chang HR, Chen Z, He J, Lonsberry V, Elshimali Y, Chia D, Seligson D, Goodglick L, Nelson SF, Gornbein JA. Loss of annexin A1 expression in human breast cancer detected by multiple high-throughput analyses. *Biochem Biophys Res Commun.* 2005 Jan 7;326(1):218-27.
56. Korst LM, Gornbein JA, Gregory KD. Rethinking the cesarean rate: how pregnancy complications may affect interhospital comparisons. *Med Care.* 2005 Mar;43(3):237-45.
57. White SC, Atchison KA, Gornbein JA, Nattiv A, Paganini-Hill A, Service SK, Yoon DC. Change in mandibular trabecular pattern and hip fracture rate in elderly women. *Dentomaxillofac Radiol.* 2005 May;34(3):168-74.
58. Busuttil RW, Farmer DG, Yersiz H, Hiatt JR, McDiarmid SV, Goldstein LI, Saab S, Han S, Durazo F, Weaver M, Cao C, Chen T, Lipshutz GS, Holt C, Gordon S, Gornbein J, Amersi F, Ghobrial RM. Analysis of long-term outcomes of 3200 liver transplantations over two decades: a single-center experience. *Ann Surg.* 2005 Jun;241(6):905-16; discussion 916-8.
59. Prati R, Apple SK, He J, Gornbein JA, Chang HR. Histopathologic characteristics predicting HER-2/neu amplification in breast cancer. *Breast J.* 2005 Nov-Dec;11(6):433-9.
60. Paganini-Hill A, Atchison KA, Gornbein JA, Nattiv A, Service SK, White SC. Menstrual and reproductive factors and fracture risk: the Leisure World Cohort Study. *J Womens Health (Larchmt).* 2005 Nov;14(9):808-19.
61. Liao JC, Mastali M, Gau V, Suchard MA, Moller AK, Bruckner DA, Babbitt JT, Li Y, Gornbein J, Landaw EM, McCabe ER, Churchill BM, Haake DA. Use of electrochemical DNA biosensors for rapid molecular identification of uropathogens in clinical urine specimens. *J Clin Microbiol.* 2006 Feb;44(2):561-70.
62. Cameron AM, Ghobrial RM, Yersiz H, Farmer DG, Lipshutz GS, Gordon SA, Zimmerman M, Hong J, Collins TE, Gornbein J, Amersi F, Weaver M, Cao C, Chen T, Hiatt JR, Busuttil RW. Optimal utilization of donor grafts with extended criteria: a single-center experience in over 1000 liver transplants. *Ann Surg.* 2006 Jun;243(6):748-53; discussion 753-5.
63. White SC, Atchison KA, Gornbein JA, Nattiv A, Paganini-Hill A, Service SK. Risk factors for fractures in older men and women: The Leisure World Cohort Study. *Gend Med.* 2006 Jun;3(2):110-23.
64. Figueroa PI, Ziman A, Wheeler C, Gornbein J, Monson M, Calhoun L. Nearly two decades using the check-type to prevent ABO incompatible transfusions: one institution's experience. *Am J Clin Pathol.* 2006 Sep;126(3):422-6.
65. Cameron AM, Ghobrial RM, Hiatt JR, Carmody IC, Gordon SA, Farmer DG, Yersiz H, Zimmerman MA, Durazo F, Han SH, Saab S, Gornbein J, Busuttil RW. Abstract Effect of nonviral factors on hepatitis C recurrence after liver transplantation. *Ann Surg.* 2006 Oct;244(4):563-71.
66. He J, Gornbein J, Shen D, Lu M, Rovai LE, Shau H, Katz J, Whitelegge JP, Faull KF, Chang HR. Detection of breast cancer biomarkers in nipple aspirate fluid by SELDI-TOF and their identification by combined liquid chromatography-tandem mass spectrometry. *Int J Oncol.* 2007 Jan;30(1):145-54. I
67. Cranston RD, Hart, SD, Gornbein JA, Hirschowitz SL, Cortina G, Moe AA
The prevalence, and predictive value, of abnormal anal cytology to diagnose anal dysplasia in a population of HIV-positive men who have sex with men. *International Journal of STD & AIDS*, Volume 18, February 2007, 77-80
67. Liao JC, Mastali M, Li Y, Gau V, Suchard MA, Babbitt J, Gornbein J, Landaw EM, McCabe ERB, Churchill BM, Haake DA Development of an Advanced Electrochemical DNA Biosensor for Bacterial Pathogen Detection *J Molecular Diagnostics* Volume 9, No 2, April 2007

68. Venick RS, McDiarmid SV, Farmer DG, Gornbein J, Martin MG, Vargas JH, Ament ME, Busuttil RW. Rejection and steroid dependence: unique risk factors in the development of pediatric posttransplant de novo autoimmune hepatitis. *Am J Transplant.* 2007 Apr;7(4):955-63
69. Lipshutz GS, Hiatt J, Ghobrial RM, Farmer DG, Martinez MM, Yersiz H, Gornbein J, Busuttil RW. Outcome of liver transplantation in septuagenarians: a single-center experience. *Arch Surg.* 2007 Aug;142(8):775-81; discussion 781-4.
70. Hassanein TI, Tofteng F, Brown RS Jr, McGuire B, Lynch P, Mehta R, Larsen FS, Gornbein J, Stange J, Blei AT. Randomized controlled study of extracorporeal albumin dialysis for hepatic encephalopathy in advanced cirrhosis. *Hepatology.* 2007 Dec;46(6):1853-62.
71. Ivancic V, Mastali M, Percy N, Gornbein J, Babbitt JT, Li Y, Landaw EM, Bruckner DA, Churchill BM, Haake DA. Rapid antimicrobial susceptibility determination of uropathogens in clinical urine specimens by use of ATP bioluminescence. *J Clin Microbiol.* 2008 Apr;46(4):1213-9. Epub 2008 Feb 13.
72. Yuan S, Gornbein J, Smeltzer B, Ziman AF, Lu Q, Goldfinger D. Risk factors for acute, moderate to severe donor reactions associated with multicomponent apheresis collections. *Transfusion.* 2008 Jun;48(6):1213-9. Epub 2008 Mar 13.
73. DeGiorgio CM, Miller P, Meymandi S, Gornbein JA. n-3 fatty acids (fish oil) for epilepsy, cardiac risk factors, and risk of SUDEP: clues from a pilot, double-blind, exploratory study. *Epilepsy Behav.* 2008 Nov;13(4):681-4. Epub 2008 Sep 7.
74. Tabibian JH, Gornbein J, Heidari A, Dien SL, Lau VH, Chahal P, Churchill BM, Haake DA. Uropathogens and host characteristics. *J Clin Microbiol.* 2008 Dec;46(12):3980-6. Epub 2008 Oct 8.
75. Saver JL, Gornbein J. Treatment effects for which shift or binary analyses are advantageous in acute stroke trials. *Neurology* 2009;72:1310-1315.
76. Prati R, Minami CA, Gornbein JA, Debruhl N, Chung D, Chang HR. Accuracy of clinical evaluation of locally advanced breast cancer in patients receiving neoadjuvant chemotherapy. *Cancer.* 2009 Mar 15;115(6):1194-202.
77. Saver JL, Gornbein J, Grotta J, Liebeskind D, Lutsep H, Schwamm L, Scott P, Starkman S. Number needed to treat to benefit and to harm for intravenous tissue plasminogen activator therapy in the 3- to 4.5-hour window: joint outcome table analysis of the ECASS 3 trial. *Stroke.* 2009 Jul;40(7):2433-7. Epub 2009 Jun 4.