

CURRICULUM VITAE

Eric Howard Gluck, M.D.

- OFFICE ADDRESS:** Director of Critical Care Services
Swedish Covenant Hospital
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- OFFICE PHONE:** 773.293.3200 egluck@aol.com
- MARITAL STATUS:** Married, September 6, 1978 (Margaret Ostram)
Children: Heidi Nan, August 1, 1981
Paul Matthew, December 13, 1983
Molly Bea, September 20, 1989
- EDUCATION:** City College of New York, B.S., 1972
New York Medical College, M.D., 1975
British American University, J. D., 2005
- INTERNSHIP:** Beth Israel Medical Center, New York, 1975-1976
- RESIDENCY:** Beth Israel Medical Center, New York, 1976-1978
- FELLOWSHIP:** Pulmonary Fellowship, University of Utah
College of Medicine, 1978-1980
- ACADEMIC:** February 2015
Senior Lecturer
St George's University of London
Medical School
London, UK
- July 2009 to Present
Chief Academic Officer
Swedish Covenant Hospital
- July 1998 to Present
Professor of Medicine
Finch University of Health Sciences/The Chicago Medical School
3333 Green Bay Road
North Chicago, IL 60064
- January 1994 to July 1998
Associate Professor of Medicine
Finch University of Health Sciences/The Chicago Medical School
3333 Green Bay Road
North Chicago, Illinois 60064

March 1991 to December 1993
Associate Professor of Medicine
Section of Pulmonary and Critical Care Medicine
Rush-Presbyterian St. Luke's Medical Center
1725 West Harrison Street, Suite 306
Chicago, Illinois 60612

Assistant Professor of Medicine
University of Connecticut Medical School
Farmington, Connecticut
1980 - 1991

PROFESSIONAL:

January 2000 to present
Director of Critical Care Services
Swedish Covenant Hospital
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Chief, Medical Service 1997-1999
North Chicago VA Medical Center
3001 Green Bay Road
North Chicago, IL 60064

January 1994 to 1999
Section Chief Pulmonary and Critical Care Medicine
North Chicago VA Medical Center
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North Chicago, Illinois 60064

Division Chief Critical Care Medicine-1993- present
The Chicago Medical School
North Chicago, Illinois

Division Chief Pulmonary Medicine 1994-Dec 1999
The Chicago Medical School
North Chicago Illinois

Section of Pulmonary & Critical Care Medicine 1991-1993
Rush-Presbyterian St. Luke's Medical Center
Chicago, Illinois
1991 - 1993 Sept 1996 to Jan 2000

March 1991 - December 1993
Associate Director of Respiratory Therapy

Rush-Presbyterian St. Luke's Medical Center
1725 West Harrison Street, Suite 306
Chicago, Illinois 60612

Private Practice 1980-1991
Hartford Lung Physicians
Hartford Connecticut

BOARD CERTIFICATION: National Board of Medical Examiners 1976
American Board of Internal Medicine 1978
Subspecialty, Pulmonary Medicine 1980
Subspecialty, Critical Care Medicine 1991/2001/2011

LICENSURES: New York 1976 - 1980
Utah 1979 - 1980
Connecticut 1980 - 1991
Illinois 1991 - Present

SPECIAL COURSES: Laser Workshop, The Institute for Applied
Laser Surgery, Inc., 1984

PROFESSIONAL SOCIETIES: Society of Critical Care Medicine (Fellow)
American College of Chest Physicians (Fellow)
The Chicago Institute of Medicine [Fellow]
American Thoracic Society
Society of Sigma XI
Alpha Omega Alpha
American Society of Law, Medicine and Ethics

AWARDS: Chemistry Honors Society 1972
Analytical Chemistry Award 1972
Merck Award for Excellence in Medicine 1975
Resident of the Year 1977
John C. Leonard Teaching 1982
Award of Excellence in Teaching 1982
Who's Who of Rising Americans 1990
Governors Community Service Award-ACCP 2000
Teacher of the Year 2001
Preceptor of the Quarter 2009,
Educator of the Year 2010, 2011,
2012, 2014,
2015, 2019

LECTURES: Critical Care Nursing Course
University of Utah College of Nursing,
"Anatomy and Physiology of the Respiratory System",

and "Analysis of Blood Gases", September, 1978 and February, 1979.

LDS Hospital Critical Care Nursing Course,
"Acid Base Metabolism and: Analysis of
Blood Gases", September, 1978.

Connecticut Society for Respiratory Therapy,
"High Frequency Ventilation, When, Why?",
January, 1984.

Emergency Nurses Association, North Central
Connecticut Chapter
"The Physiologic Effects of Asthma and Emergency
Care", November 4, 1987.

Connecticut Society for Respiratory Therapy,
"Jet Ventilation", November 4, 1987.

Symposium - "Use of Inhaled Corticosteroids",
American College of Allergy & Immunology,
March 16, 1988, Anaheim, California.

Connecticut Society of Respiratory Therapy -
"Auto-PEEP and its Clinical Implications".

Niel Institute of Medicine-Lille, France,
"Effect of Ultra High Frequency
Jet Ventilation on Patients with ARDS",
April, 1990.

Resuscitation of Patients with Respiratory Failure,
N.E. Symposium of Emergency Medicine.

New York State Society of Respiratory Care,
Annual Symposium - Alternate Modes of Ventilation
November, 1991.

Pulmonary Grand Rounds/Bay State Medical Center
Ultra High Frequency Jet Ventilation,
November, 1991.

Cook County Medical Society - Review course
in Critical Care Medicine
Emergency Treatment of Asthma
November, 1991.

Mechanical Ventilation - Update ACCP Post Graduate
Course, December 13, 1991.

Pulmonary Grand Rounds - Chicago
Osteopathic Hospital Asthma Update, March, 1992.

Connecticut Society Respiratory Care
Ultra High Frequency Jet Ventilation Update,
April, 1992

Pulmonary Intensive Care Update - National Finish
Meeting.
Tempire, Finland May, 1992.

Fourth Pulmonary Fellows symposium,
Occupation Lung Disease - Ft. Lauderdale, Florida
May, 1992.

Kansas City Society of Respiratory Care
Weaning from Mechanical Ventilation
May, 1993.

Iowa Society Respiratory Care
Ultra High Frequency Ventilation, June, 1993.

Connecticut Society of Respiratory Care,
Helium Therapy, April 1993.

Third International Symposium on High Frequency
Ventilation - Can protocols be written for
ventilator control of gas exchange during HFV?
Dusseldorf, Germany, April, 1993.

Challenges in Critical Care; Respiratory Care
Department of Dartmouth-Hitchcock Medical Center:
Weaning from mechanical ventilation; April, 1994.

Illinois Society of Respiratory Care: Reducing costs
of ventilating patients; High Frequency Ventilation;
June, 1994.

California Society of Respiratory Care: Reducing
costs of ventilating patients; High Frequency Ventilation;
June, 1994.

National Meeting on Monitoring in the ICU, Sapporo,
Japan; Reducing duration of mechanical ventilation;
June, 1994.

Special Symposium on ICU Medicine, Beijing, China;
Reducing stays on mechanical ventilation;
June, 1994.

Respiratory Society Meeting; Taipei, Taiwan;
Optimizing the care of ventilator patients; June,
1994.

Huff and Puff Society of San Francisco: Weaning from
Mechanical Ventilation; May, 1994.

Special Symposium; LSU University Medical Center,
New Orleans; Weaning from Mechanical Ventilation;
May, 1994.

Minnesota Society Respiratory Care - Treatment of
ARDS in 1990's, September, 1994

Course Director- Chicago Critical Care Symposium
July 1995

International Congress of Internal Medicine-Manila Phillipines; COPD
- current concepts in management and Iatrogenic respiratory failure; Feb
1996.

University of Southern California- Barlow Respiratory Hospital
Symposium on Mechanical Ventilation; The Use of Protocols in Weaning
from Mechanical Ventilation. April 1996

University of Miami- 1st Annual Doug Onorato Memorial Lecture; The
use of inhaled heliox in the management of acute airway obstruction.
June 1996

Course Director-Chicago Critical Care Symposium Aug 1996

Course Director-Chicago Critical Care Symposium July 1997

Computerization of Weaning Protocols-plenary session, American
College of Chest Physicians Nov 1999

American Academy of Physician Assistants-Annual Meeting; Chicago Ill,
June 2000- Diagnosis and treatment of Pulmonary Embolism

American Academy of Physician Assistants-Annual Meeting; Chicago Ill,
June 2000- Treatment of Congestive Heart Failure

Illinois Masonic Hospital- Medical Grand Rounds- Chicago Ill 2000- Use
of Non invasive positive pressure ventilation

St Francis Hospital- Medical Grand Rounds- Evanston, Ill 2000- Use of
Non-Invasive Positive Pressure Mechanical Ventilation

Our Lady of the Resurrection Medical Center- Chicago Ill 2001- Update
on the Pathophysiology of Sepsis.

Norwegian Medical Center- Chicago Ill 2001- Update on the Pathophysiology of Sepsis.

APEC- Downers Grove Ill 2001 Update on the Pathophysiology of Sepsis.

American College of Chest Physicians – National Meeting, Philadelphia, PA- 2001- Rules and Regulations in the ICU.

New York State Society of Respiratory Therapy- 25 Years of Weaning from Mechanical Ventilation – Oct 2001
Chairperson and Speaker, ALA Healthy Lung Expo, Chicago Illinois 2010

COMMITTEE

APPOINTMENTS:

Ethics Committee – Chair 2001- present
Critical Care Committee- Chair- 2001- present
Investigational Review Board – CMS- 1995-present
Infection Control Committee
Graduate Medical Education Committee (Swedish Covenant Hospital)
Chairman VISN 12 Taskforce - Innovations in delivery of health care
Deans Committee - CMS January 1997
Finance Committee - American College of Chest Physicians-1996
Research Committee - Chicago Medical School-'95

ABSTRACTS

Eric Howard Gluck, M.D.

1. Brown CC, Gluck EH, Ostram M, "Respiratory support of oleic acid induced adult respiratory distress syndrome with ultra high frequency jet ventilation". Clinical Research, 34:3A, 1986.
2. Gluck EH, Frey TM, 'Measurement of airway pressures in pigs during ultra high frequency jet ventilation". Clinical Research, 34:4A, 1986.
3. Gluck EH, Ostram M, Weinberg B, Use of ultra frequency jet ventilation in patients with ARDS'. Chest, 92:2:67SA.
4. Gluck EH, Mesologites D, Orlando R, "Ultra high frequency jet ventilation in the physiological assessment of pigs with bronchopleural fistula". Chest, 92:2:107SA, August, 1987.
5. Gluck EH, Brown CC, Ostram M, "Ultra high frequency jet ventilation compared to conventional ventilation in the treatment of oleic acid induced ARDS in pigs". Chest, 92:2:67SA, August, 1987.

6. Gluck EH, Frey TM, "Airway pressure measurement in the living pig undergoing ultra high frequency jet ventilation using retrograde catheter technique". *Chest*, 92:2:109SA, August, 1987.
7. Gluck EH, Renouf R, Shiue ST, Gluck M, 'Effect of ultra high frequency jet ventilation on gas exchange in experimentally induced emphysema. *Amer. Rev. Resp. Dis.*, 137:471A, April, 1988.
8. Shiue ST, Thrall RS, Gluck EH, 'Analysis of bronchoalveolar lavage fluid from rats treated with ultra high frequency jet ventilation'. *Amer. Rev. Resp. Dis.*, 137:374A, April, 1988.
9. Gluck EH, Heard S, Fahey P, "Ultra High Frequency Jet Ventilation in ARDS-Multicenter Results". *Chest*, 96:2:174SA August, 1989.
10. Winston C, Gluck EH, "Augmented absorption of pneumothoraces using helium-oxygen mixtures. *Radiological Society of North America*, 1991
11. Keating, Markewitz, Onorato, Gluck EH, "Effect of ventilatory mode on hemodynamics in a porcine trauma model". *CCM*, Vol. 19, April, 1991.
12. Pettel C, Mohr J, Mathews J, Piraus A, Gluck EH, "Use of UHFJV in management of ARDS; *Anesthesiology* 73(3):A256, 1990.
13. Lamothe PH, Ujehelyi MR, Gluck EH, "Hemodynamic actions of histamine antagonists during endotoxin induced sepsis; *Journal of Clin. Pharm*, 32(s):745, August 1992.
14. Gluck EH, Balk R, Casey L, Heydorn P, Nawas Y, Silver M, Bone R, "Esophageal pressure measurements allow more aggressive weaning from chronic mechanical ventilator support. *ARRD*, 47(4):4:873, April, 1993.
15. Gluck EH, Balk R, Casey L, Nawas Y, Silver M, Bone R, "Predicting weanability in chronically ventilated patients", *Chest*, 48(5):A673, May 1994
16. Gluck EH, Lopez P, Tamul P; The effect of trigger location on the delay between inspiratory effort and gas delivery to the patient. *Chest* 1995;108;S142
17. Gluck EH, Tamul P; Blasius gas equation can predict the effective endotracheal tube diameter; *Chest* 1995;108;S142
19. Akbarullah S, Gluck EH; The role of price and study quality on the purchase of medical equipment; *Chest* 1995;108;S186
20. Gluck EH, Keating K, Kaufman L, Heard S, Conrad S; Multicenter evaluation of the effectiveness of esophageal balloon manometry during weaning. *J of Crit Care Med*; 24(1);104A
21. Bader IH, Gluck EH, Rosman J; Comparison of effects of beta 2 agonists nebulizer with oxygen and heliox. *Chest* 1996; 110; S33

20. Gluck EH, Maldonado, F, Sorresso, D, Gazmuri R. ; Improved care delivery utilizing an intensivist hospitalist system in a Veterans Affairs Hospital. *Critical Care Med*;1999; Vol 27, No1: A155.
21. Istanbouly S, Gluck EH; Inner City Asthma Triggers are the same as Suburban Triggers. In press. To be presented at the ATS meeting 2003.
22. Bass A, Gluck EH; The validity of the mead equation for predicting optimal respiratory rate in the setting of mechanical ventilation. *Chest* 2004; 126; 4 S902
23. GluckE and Maki D; Procalcitonin can decrease antibiotic doses under new CMS guidelines. *CCM* 2016; 44; 12s 1481

PUBLICATIONS:

Eric Howard Gluck, M.D.

1. Gelb A, Gluck EH, Solon A, and Garcia I, "Granulomatous vasculitis of the upper gastrointestinal tract: A case report". *Mt. Sinai Journal of Medicine*, 45:2, March-April, 1978.
2. Armstrong JD, Gluck EH and Hughes JMB, "Measurement of lung water with helium dilution". *Thorax*, 1983.
3. Littenberg B, and Gluck EH, "Controlled trial of methylprednisolone in the emergency treatment of acute asthma". *New England Journal of Medicine*, 314:3, January 16, 1986, pp. 150-152.
4. Nino A, Berman M, Gluck EH, Conway M, Fisher J, Dougherty J, and Rossi M, "Drug-induced left ventricular failure in patients with pulmonary disease". *Chest*, 94:4, October, 1987.
5. Orlando R, Gluck EH, and Cohen M, "Ultra high frequency and Broncho-Pleural Fistula". *Arch. Surgery*, vol. 1123, pp. 591, May, 1988.
6. Gluck EH. "Diagnosis of asthma", *J of Resp. Dis.* 9:S19 - S23, 1988.
7. Schiue ST and Gluck EH, "Use of helium-oxygen mixtures in the support of patients with status asthmaticus and respiratory acidosis". *Journal of Asthma*, 26(3) pp. 177-180, 1989.
8. Gluck EH, Onorato D, Castriotta R, "On the use of helium oxygen mixtures in intubated patients with status asthmaticus and respiratory acidosis". *Chest*, 98 pp. 693-698, 1990.
9. Gluck EH, "Use of helium in patients with bronchospasm; clinical advances in the treatment of asthma". 2 (3) pp. 6-9. 1991.
10. Veenstra R, Gluck EH. "A clinical librarian program in the Intensive Care Unit". *CCM* 20(7); 1038-1042, 1992.
11. Bone R, Eubanks D, Gluck EH. "Beyond the basics: Operating the new generation of ventilators". *J Crit. Illness* 7(5); pp.- 770-788, 1992.

12. Korst RJ, Orlando R, Yeston N, Molin M, DeGraff A, Gluck EH. "Validation of respiratory mechanics software in microprocessor controlled ventilators". CCM 20 (8) 1152-1156.
13. Gluck EH, Bone RC, Eubanks DH. "The technique of instituting mechanical ventilation"; 7(8):1319-1328, Journal of Crit Ill. 1992
14. Gluck EH. "Hospital emergency room treatment of acute exacerbations of asthma". Hospital Formulary (27) 1119-1130; November, 1992.
15. Gluck EH, Eubanks D, Bone RC. "Techniques for weaning a patient from mechanical ventilation". J of Crit Illness; 8(1):121-129; January, 1993.
16. Gluck EH, Heard S, Mohr J, Patel S, Calkins JM. "Ultra high frequency ventilation in the treatment of adults with severe ARDS - a preliminary report"; Chest; 103:1413; May, 1993.
17. Bone RC, McElwee NE, Eubanks DH, Gluck EH. "Analysis of indications for intensive care unit admission". Chest, 1993; 104:1806-11.
18. Bone RC, McElwee NE, Eubanks DH, Gluck EH. "Analysis of indications for early discharge from the intensive care unit". Chest 1993; 104:1812-17.
19. Franklin C, Gluck EH. "The assessment of new technology: who pays for it? Thorax; 48(7):721, July. 1993.
20. Gluck, EH, Barkoviak MJ, Balk R, Casey L, Silver M, Bone R; Medical effectiveness of esophageal balloon pressure manometry in weaning patients from mechanical ventilation: Crit Care Med; 23;504-509; March 1995
21. Gluck EH; Chaos in Research; Thorax; 49;713; July 1995
22. Gluck EH and Keogh B; Application of High Frequency Ventilation in Patients with Acute Respiratory failure. Clinical Pulmonary Medicine; 1995;2(1):58-65.
23. Gluck EH and Corgian I; Predicting eventual success or failure to wean in patients receiving long term ventilation. Chest 1996; 110(4); 1018-1024
24. Sorresso D, Wagner D, Gluck EH. Postoperative assessment and management of the pneumonectomy patient; Anesthesia Today; 1996; 7(2):14-17
25. Franklin C, Gluck EH. Pitfalls in Ventilator Management before the Patient is Weaned. Hospital Physician; June 1996. 1(1): 1-10
26. Gluck EH, Sorresso D. Critical Care of the Obsteric Patient. Hospital Physician; April 1998; 3: (1): 1-8.
27. Rodriquez, O, Gluck EH. Sandouk, A. Nosocomial infections in the intensive care unit. Hospital Physician, August 1998; 3: (3):1-12.
28. Samuel J, Gluck, EH, Upper Airway Obstruction.

Hospital Physician, September 1998: 3:(4)

29. Sorresso D, Gluck EH; Hemodynamic Monitoring in the Intensive Care Unit, Hosp Phys, Jan 1999; 4:(1)
30. Sorresso D, Khayr W, Gluck EH; Antibiotic Usage in the Intensive Care Unit, Hosp Phys, April 1999: 4:(2)
31. Sarrigiannidis A, Gluck EH; Update on Mechanical Ventilation in the Intensive Care Unit, Hosp Phys, Aug 1999; 4(3)
32. Gluck EH, McLean M; Ethics in the Intensive Care Unit, Hosp Phys, Dec 1999, 4(4)
33. Snyder R, Gluck EH; Gastrointestinal Diseases in the Intensive Care Unit, Hosp Phys, Feb 2000, 5(1)
34. SnyderR, GluckEH; Bridging to Organ Transplantation: Lung, Heart and Liver, Hosp Phys, Jan 2000, 5(2)
35. Lutchman D, Gluck EH; Neurologic Emergencies in the Intensive Care Unit; Hosp Phys, March 2000; 5(3)
36. Gluck EH: Ethics in the ICU: Hosp Phys April 2000 5(4)
37. Coulson S, Gluck EH, Acute Coronary Syndrome, Hosp Phys March 2001 6(1)
38. Dugan D, Gluck EH, Informed Consent in the ICU, Hosp Phys June 2001 6(2)
39. Dugan D. and Gluck EH, Discussing Life Sustaining Treatments: An Overview and Communications Guide for Primary Care Physicians. *Comp Therapy*; Spring 2004; Vol 30 (1); 25-36
40. Patel B, Sheridan P, Detjen P, Dnnersberger D, Gluck E, Malamut K, Whyte S, Miller A, Harshaw Q; Success of a comprehensive school based asthma intervention on clinical markers and resource utilization for inner city children with asthma in Chicago: the Mobile CARE Foundation's Asthma Management Program. *J of Asthma*; 2007; 44, 2, March;113-118
41. Procalcitonin Decrease Over 72 hours in US critical care units predicts fatal outcome in sepsis patients: Philipp Schuetz^{*1}, Paula Maurer², Vikas Punjabi³, Ami Desai³, Devendra N Amin^{#2} and Eric Gluck^{#3} *Critical Care* 2013, 17:R115
- 42 Real-world use of procalcitonin and other biomarkers among sepsis hospitalizations in the United States: A retrospective, observational study; Gluck EH, Nguyen B, Yalamanchelli K et al; *Plos*; Oct 17, 2018; <https://doi.org/10.1371/journal.pone.0205924>

- 43 Procalcitonin(PCT) guided antibiotic stewardship: an international experts consensus on optimized clinical use: Philip Schuetz....Eric Howard Gluck....and Kordo Saeed. Clin Chem Lab med 2019; [https://doi.org/10,1515/cclm-2018-1181](https://doi.org/10.1515/cclm-2018-1181)
- 44 Hot topics on procalcitonin use in clinical practice, can it help antibiotic stewardship? Saeed, KGluck, E.....Philipp Schuetz. International Journal of Antimicrobial Agents; 54(2019); 686-696
- 45 Guzzi I, ...Gluck E, ...Kellum J; Clinical use of [TIMP-2]-[IGFBP7] biomarker testing to assess risk of acute kidney injury in critical care; guidance from an expert panel; Critical Care (2019)23; 225
- 46 Chien-Chang L,Gluck EH.....Schuetz P Procalcitonin (PCT) guided antibiotic stewardship in Asia-Pacific countries; adaptation based on an expert consensus meeting.Clin Chem Lab Med 2020; 1-9

Chapters and Reviews and Editorial Boards:

1. Endotracheal Intubation and Mechanical Ventilation Quick reference to Internal Medicine: Igaku Shoin, Ltd, New York: Bone R, Rosen R, Editors, 1994.
2. Trauma Management for the Internist: Quick Reference Textbook of Internal Medicine; Igaku Shoin, Ltd, New York: Bone R, Rosen R, Editors 1994
3. Mechanical Ventilation: Principles and Management of Critical Care Medicine: CV Mosby, Chicago: Parillo J, Bone R, Editors: (1995).
4. Non-traditional Mechanical Ventilation: Principles and application of respiratory care equipment: Mosby CV, Eubanks DH and Bone R, Editors, Chicago. May, 1994.
5. Year Book of Critical Care Medicine - Co- Editor 1992-1998, 2000
6. Year Book of Pulmonary Medicine - Co-Editor 1992-1995
7. Consulting Editor- Hospital Physician- Critical Care Medicine 1995-1998
8. High Frequency Ventilation - Acute Respiratory Distress in Adults; Evans T and Haslett C, Editors; Chapman and Hall Medical, London, UK. 1996
9. Series Editor- Hospital Physicians- Critical Care Medicine – Jan 1998 to present
10. Associate Editor - Audio Reviews - Chest Section. - Aug 1998 to present
11. Editor- Practical Reviews in Chest Medicine-Oakstone Medical Publishers, Birmingham Ala. Jan 2000 to present
12. Mechanical Ventilation: in Critical Care: Mosby, Gluck EH, Sarringainidis A, Dellinger P: Parillo and Dellinger editors: (2001)

13. Altered Mental Status: in Textbook of Neurointensive Care: Saunders, Philadelphia PA. Editors; Layon AJ, Gabrielli A and Friedman W.; 2004

DRUG RESEARCH

Eric Howard Gluck, M.D.

- 1982-1983 Co-investigator, Drug Study for Schering Corp., "A Multicenter Long Term Study Comparing the Safety and Efficacy of Albuterol Nebulizer solution 2.5 mg, with Isoproterenol Nebulizer Solution 2.5 mg Delivered by a Compressed-Air Powered Nebulizer to Reverse Bronchospasm".
- 1983-1984 Co-Investigator, Drug study for Schering Corp., "A Long-Term Study Comparing the Safety and Efficacy of Albuterol Nebulizer Solution, 2.5 mg Isoetharine Nebulizer Solution, 2.5 mg delivered by a compressor powered nebulizer to reverse bronchospasm".
- 1983-1984 Co-investigator, Drug study for Perdue-Frederick Co., Multi-Investigator open-label study of Uniphyl in patients with asthma, asthmatic-bronchitis or COPD.
- 1982 Co-Investigator, Drug study for Adria corp., "Early detection of Adriamycin toxicity".
- 1984 Co-investigator, Drug study for Warner-Lambert/ Parke-Davis Pharmaceutical Research Division, "The effect of sodium meclofenamate in premenstrual asthma".
- 1985-1986 Co-Investigator, Drug study for Schering Corp., "The effect of single doses of Labetalol and Atenolol on ventilatory function in patients with bronchial asthma".
- 1985-1986 Co-Investigator, Drug study for Schering Corp., "Albuterol solution for inhalation in acute asthma".
- 1985-1987 Co-Investigator, Drug study for Boehringer-Ingelheim Ltd., "Oxitropium bromide BA 253 90 day multicenter study".
- 1985-1987 Co-Investigator, Drug study for Smith Kline and French Laboratories, "Comparative study of the safety and efficacy of monocid versus ceftriaxone for the treatment of community acquired lower respiratory tract infection in patients with chronic lung disease".
- 1986-1987 Co-Investigator, Drug study for Smith, Kline and French Laboratories, "Comparison of Tagamet and Placebo in the prophylaxis of Upper Gastrointestinal Bleeding due to Stress- Related Gastric Mucosal Damage".
- 1987-1988 Investigator, Drug study for Cutter Biological "Intravenous Gamma Globulin in the treatment of steroid dependent asthma".

- 1987-1988 Co-Investigator, Drug study for Schering Corp., “Study of the effects of adding proventil repetabs to theodur in patients with moderate to severe obstructive airway disease”.
- 1987-1988 Co-Investigator, Drug Study for Schering Corp., “Proventil solution for inhalation for home Use”.
- 1987 Co-Investigator, Drug Study for Carter-Wallace, Inc., Placebo controlled comparison of the effectiveness and safety of axelastine and controlled release theophylline in the management of theophylline dependent asthmatics”.
- 1987-1989 Co-Investigator, Drug Study for Boehringer-Ingelheim Ltd., “Twelve-week, double blind, parallel study of atrovent solution in COPD patients who are on concurrent alupent therapy”.
- 1988 Co-Investigator, Drug Study for Schering Corp., “Comparison of theodur 300 mg BID to 450 mg TID”.
- 1988-1989 Co-Investigator, Drug Study for Nix-O-Tine Pharmaceuticals, “Efficacy and safety of repository corticotropin injection (NF0001) as an aid in smoking cessation”.
- 1988 Co-Investigator, Drug Study for Pfizer Central Research, “Azithromycin in the treatment of acute lower respiratory tract infections
- 1989 Co-Investigator, Drug Study for G.D. Searle and Co., “A Multicenter comparison of the safety and efficacy of Lomefloxacin and Cefecolor in the treatment of acute exacerbation of chronic bronchitis”.
- 1989 Co-Investigator, Drug Study for Boehringer-Ingelheim Ltd., “Multiple dose comparison of the combination of Ipratropium and Albuterol with its components in a twelve-week parallel study in adults with chronic obstructive pulmonary disease (COPD)”.