

## **SUMMARIZED BIOGRAPHY**

### **ELIEZER NUSSBAUM, M.D., FAAP, FCCP, FCCM**

Dr. Eliezer Nussbaum has been actively involved with the health care industry for more than 30 years. Currently a Professor of Clinical Pediatrics Step VII at the University of California, Irvine (UCI), and Chief of Pediatric Pulmonary Medicine and Medical Director of Pediatric Pulmonary and Cystic Fibrosis Center at Memorial Miller Children's Hospital of Long Beach. He holds a certificate from the University of Southern California (USC) School of Business Administration in Management Development Program, and is active in the rapidly growing field of managed care. He has authored three books and over 150 scientific publications and has been selected a member of several prestigious national societies such as, the Society for Pediatric Research, American College of Physician Executives, American College of Chest Physicians, American Thoracic Society, among others. He was listed and included in *Best Doctors in America* 2009-2010, 2007-2008 and 2003-2004. Dr. Nussbaum played an integral role in developing one of the 1<sup>st</sup> Pediatric Intensive Care Units (PICU) in the state of California and served as the 1<sup>st</sup> Medical Director of the PICU at Miller Children's Hospital (MCH) of Long Beach between 1979 and 1994. Dr. Nussbaum also developed the Pediatric Pulmonary and Cystic Fibrosis Centers and its teaching programs at MCH and UCI and remains its Medical Director since 1979. He participates in international, national, state and university activities, serves as a reviewer, and has editorial board responsibilities for scientific publications in major journals and national societies. The academic, clinical, and research experience he has attained are constantly integrated into his current activities in managed care. His experience as a teacher and his participation as a visiting professor nationally and internationally helped create his intricate web of contacts at all levels of primary and specialized care. He is board certified in General Pediatrics and also in Pediatric Pulmonology. Dr. Nussbaum is a Fellow of the American Academy of Pediatrics, a Fellow of the American College of Chest Physicians, and a Fellow of the American College of Critical Care Medicine for many years.

CURRICULUM VITAE  
**ELIEZER NUSSBAUM, MD, FCCM, FCCP, FAAP**  
Professor of Clinical Pediatrics, Step VII  
University of California Irvine  
Chief, Pediatric Pulmonary Medicine  
Medical Director, Pediatric Pulmonary Division  
and Cystic Fibrosis Center

**Business Address:** Miller Children's Hospital Medical Center  
Pediatric Pulmonary Division  
2801 Atlantic Avenue, P. O. Box 1428  
Long Beach, California 90801-1428

(562) 933-8749  
(562) 933-8744 FAX

Office email: [enussbaum@memorialcare.org](mailto:enussbaum@memorialcare.org)  
UCI email: [e.nussbaum@uci.edu](mailto:e.nussbaum@uci.edu)  
Home email: [elinussbaum@yahoo.com](mailto:elinussbaum@yahoo.com)

**Married:** Sara, 5 children

**Citizenship:** United States and Israel

**EDUCATION:**

**1972:** MD, Sackler Medical School, Tel Aviv  
University, Tel Aviv, Israel  
  
Research Thesis: Petit mal in children.  
Sackler Medical School, Tel Aviv, Israel. (1972)

**HONORS AND AWARDS:**

**2009-2010** Listed in *Best Doctors in America*

**2007-2008** Listed in *Best Doctors in America*

**2003-2004** Listed in *Best Doctors in America*

**November 2, 2000** Münzer Family Award  
For Excellence in Teaching, Research and Literary Accomplishments  
Long Beach Memorial Medical Center  
Long Beach, California

**June 21, 1977** Special Merit Award  
Best Chief Resident Teacher Award  
Maimonides Medical Center,  
Department of Pediatrics  
Brooklyn, New York

**POST DOCTORAL TRAINING:**

- 1995:** Management Development Program  
University of Southern California (USC)
- 1977 - 1979:** Pulmonary Fellow, Rainbow Babies and  
Children's Hospital and Case Western Reserve  
University, Cleveland, Ohio
- 1976 - 1977:** Chief Resident in Pediatrics, Maimonides  
Medical Center Brooklyn, New York
- 1975 - 1976:** Senior Pediatric Resident, Maimonides  
Medical Center, Brooklyn, New York
- 1974 - 1975:** Pediatric Resident, The Mount Sinai Hospital  
Services, City Hospital Center at Elmhurst, New York
- 1972 - 1974:** Rotating Internship and Medical Residency  
Beilinson Medical Center and Tel Aviv  
University Medical School, Tel Aviv, Israel

**PROFESSIONAL EXPERIENCE, CAREER, AND ACADEMIC APPOINTMENTS:**

- 2010 - Present:** Professor of Clinical Pediatrics Step VII  
University of California, Irvine, College of Medicine (UCI)
- 2006 - 2010:** Professor of Clinical Pediatrics Step VI  
University of California, Irvine, College of Medicine (UCI)
- 1988 - 2006:** Adjunct Professor of Pediatrics  
University of California, Irvine, College of Medicine (UCI)
- 1983 - 1988:** Associate Adjunct Professor of Pediatrics  
University of California, Irvine, College of Medicine (UCI)
- 1979 - 1983:** Assistant Adjunct Professor of Pediatrics  
University of California, Irvine, College of Medicine (UCI)
- 1987 - 1992:** Director, Conjoint Pediatric Pulmonary and Critical Care Programs of  
Miller Children's Hospital Medical Center and University of California, Irvine (UCI)
- 1979 - 1994:** Director, Children's Lung Institute and Intensive Care Units  
Miller Children's Hospital Medical Center, Long Beach, California  
and the Department of Pediatrics, University of California, Irvine (UCI)
- 1979 - present:** Director, Cystic Fibrosis Center, Miller Children's Hospital of Long Beach,  
and University of California, Irvine (UCI)
- 1979 - present:** Director, Pediatric Pulmonary Division, Children's Lung Center and Pediatric  
Pulmonary Fellowship Programs at Miller Children's Hospital of Long Beach,  
California and University of California, Irvine (UCI)
- 1979 - present:** Consultant in Pediatric Pulmonary, Miller Children's Hospital at Long Beach and  
University of California, Irvine (UCI)

**PROFESSIONAL EXPERIENCE, CAREER AND ACADEMIC APPOINTMENTS (continued):**

**1979 - present:** Attending Physician, Miller Children's Hospital, Long Beach, California, and University of California, Irvine (UCI)

**1979 - 1994:** Medical Director and Attending Physician, Miller Children's Hospital, Pediatric Intensive Care, Long Beach, California

**December 2001:** Attending Physician, Miller Children's Hospital, Pediatric Intensive Care, Long Beach, California

**SPECIALTY AND SUBSPECIALTY BOARD CERTIFICATIONS:**

General Pediatrics: January 28, 1979

Pediatric Pulmonology: 1986; Re-certified: July 9, 1995; Re-certified again June 14, 2001

Pediatric Critical Care Medicine: May 12, 1992: Re-certified May 26, 1998

(PALS) Pediatric Advanced Life Support (Instructor): June, 1998 (re-certified) April 30, 2001 (re-certified) April, 2002 - April, 2004 (re-certified) March 21, 2006 (re-certified), April 16, 2008 - April 20, 2010 (re-certified). May 2010 - May 2012 (re-certified).

Management Development Program (USC): May 6, 1995

**PROFESSIONAL LICENSURE:**

1979: California

**SPECIAL EXPERTISE:**

Managed Care

Pediatric Pulmonary Diseases

Flexible Fiberoptic Bronchoscopy and Laryngoscopy in Infants and Children

Pulmonary Function Testing

**SOCIETY MEMBERSHIPS:**

Society for Pediatric Research (SPR)

Western Society for Pediatric Research (WSPR)

New York Academy of Sciences

Fellow, American Academy of Pediatrics

American Thoracic Society

American Thoracic Society - Respiratory Structure and Function Assembly

Fellow, American College of Critical Care Medicine

American College of Physician Executives

**SOCIETY MEMBERSHIPS (continued):**

Pediatric Pulmonary Training Directors Association (PEPTDA)

American Lung Association of California (ALAC)  
Research Training Fellowship Review Committee

American Academy of Pediatrics- Section on Pediatric Pulmonology

American Academy of Pediatrics (AAP) - Pediatric Pulmonology Executive Committee -  
Nominations Committee Chairperson

California Thoracic Society

Society of Critical Care Medicine

Section on Pediatric Critical Care of the American Academy of Pediatrics

American College of Chest Physicians

Fellow, American College of Chest Physicians

Western Consortium of Cystic Fibrosis

American Israeli Medical Society Board Member

Cystic Fibrosis Foundation, Executive Board, Western Region

**FELLOWSHIPS:**

Fellow, American Academy of Pediatrics

Fellow, American College of Chest Physicians

Fellow, American College of Critical Care Medicine

**NATIONAL, STATE, UNIVERSITY AND CHILDREN'S MEDICAL CENTER ACTIVITIES:**

1. Society for Pediatric Research (SPR)
2. American College of Chest Physicians
3. Western Society for Pediatric Research (WSPR)
4. Western Consortium of Cystic Fibrosis

**NATIONAL, STATE, UNIVERSITY AND CHILDREN'S MEDICAL CENTER ACTIVITIES (continued):**

5. Pediatric Pulmonary Training Directors Association (PEPTDA)
6. Society of Critical Care Medicine
7. Section on Diseases of the Chest of the American Academy of Pediatrics
8. New York Academy of Sciences
9. Fellow, American College of Critical Care Medicine
10. Fellow, American College of Chest Physicians
11. Fellow, American Academy of Pediatrics
12. American Academy of Pediatrics- Section on Critical Care
13. American Academy of Pediatrics- Section on Pediatric Pulmonology
14. American Academy of Pediatrics (AAP) - Pediatric Pulmonology Executive Committee-  
Nominations Committee Chairperson
15. Cystic Fibrosis Foundation, Executive Board, Western Region
16. California Thoracic Society
17. American Thoracic Society
18. American Medical Association
19. American Lung Association, Los Angeles County
20. American Lung Association of California (ALAC) - Research Training Fellowship  
Review Committee
21. American Israeli Medical Society Board Member
22. Pediatric Research Committee
23. Pediatric Fellowship Committee
24. Children's Hospital Medical Executive Committee (until 1994)
25. The American College of Physician Executives
26. Pediatric ICU Patient Care Committee
27. Children's Medical Education Committee
28. American Academy of Pediatrics Committee on Hospital Care

**NATIONAL, STATE, UNIVERSITY AND CHILDREN'S MEDICAL CENTER ACTIVITIES (continued):**

29. Steering Committee for the Section on Pediatric Cardiopulmonary Disease of the American College of Chest Physicians
30. Abstract Review Committee for the 56th Annual Scientific Assembly
31. Residency Coordinating Committee
32. Children's Pharmacy and Therapy Committee
33. Bio-Ethics Review Committee
34. Trauma Committee
35. Pediatric Surgery Committee
36. CPR Committee
37. Children's Epidemiology Committee
38. Pediatric Outreach Advisory Committee
39. Miller Children's Hospital Strategic Planning Task Force
40. Miller Children's Hospital Facility Planning Task Force
41. Miller Children's Hospital Curriculum Review Group
42. Oversight Steering Committee (re: UCI relations), Miller Children's Hospital Medical Staff
43. Miller Children's Staff Ad Hoc Committee
44. Research Review Ad Hoc Committee (Chairman)
45. Advocacy Group for Ventilator Dependent People
46. Section on Critical Care of the American Academy of Pediatrics
47. Pediatric Section Steering Committee, American College of Chest Physicians
48. Section on Diseases of the Chest of the American Academy of Pediatrics
49. Pediatric Cardiology Oversight Steering Committee
50. Trauma Ad Hoc Committee
51. Medical Records Committee
52. Miller Children's Hospital Steering Group
53. Long Beach Miller Children's/Long Beach Memorial Quality Assurance Committee

**NATIONAL, STATE, UNIVERSITY AND CHILDREN'S MEDICAL CENTER ACTIVITIES (continued):**

54. Memorial Miller Children's Hospital Operations Advisory Committee
55. Patient Care Committee - Acting Chairman
56. Pediatric University Affiliation Ad Hoc Task Force
57. Memorial Heart Institute Project Application Committee
58. Memorial Cancer Institute Project Application Committee
59. Cystic Fibrosis Foundation, Executive Board, Western Region
60. Board of Trustees (Trustee Board Member) - Miller Children's Hospital/Long Beach Memorial Medical Center
61. Fellowship Program Task Force
62. Risk Management Committee
63. Pediatric Asthma Allergy & Immunology, Editorial Board
64. Outpatient Leadership Steering Committee
65. Pediatric Surgery Advisory Panel
66. Board of Directors - Miller Children's Subspecialty Group
67. Chairman, Risk Management, Miller Children's Hospital
68. Integrated Quality Review Committee at Miller Children's Hospital
69. Miller Children's Hospital Leadership Committee
70. Cystic Fibrosis Newborn Screening State Committee
71. Physician-Hospital Collaboration Steering Committee
72. Outpatient Leadership Steering Committee
73. Miller Children's Hospital Medical Executive Committee (2008 - to present)
74. Steering Committee - Miller Children's Hospital (2008 - to present)
75. Bylaws Committee - Miller Children's Hospital/Long Beach Memorial Medical Center
76. MCH Expansion Steering Committee



## **EDITORIAL BOARD**

Pediatric Allergy, Immunology, and Pulmonology (*Formerly Pediatric Asthma, Allergy and Immunology*)

## **JOURNALS REVIEWER, SCIENTIFIC REVIEWS ETC.:**

I am a **reviewer** for the following **Journals**:

American Journal of Respiratory and Critical Care Medicine  
Journal of Cellular Physiology  
Pediatric Pulmonology  
The Journal of Pediatrics  
European Respiratory Journal  
CHEST  
Pediatric Asthma Allergy and Immunology  
Pediatrics  
The American Journal of the Medical Sciences  
Clinical Pediatrics  
Archives of Pediatrics and Adolescent Medicine  
Journal of Clinical Anesthesia (JCA)

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1990

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1991 and 1992

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Critical Care  
Medicine Certifying Examination Question Writer 1993 and 1994

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1993 and 1994

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1995

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1997

### **Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1998

**JOURNALS REVIEWER, SCIENTIFIC REVIEWS ETC.(continued):**

**Board Examination:**

American Board of Pediatrics,  
Subspecialty of Pediatric Pulmonology  
Examination Question Writer 1999

**Board Examination:**

American Board of Pediatrics,  
Pediatric Critical Care Medicine  
Examination Question Writer 2000

**Abstracts Reviewer for:**

The American College of Chest Physicians for its 56th Annual Scientific Assembly in Toronto, Canada, October 22-26, 1990

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 20th Annual Educational and Scientific Symposium (Pediatrics) May 22-26 1991

**Abstracts Reviewer for:**

The American College of Chest Physicians for its 57th Annual Scientific Assembly in San Francisco, California, November 4-8, 1991

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 21st Annual Educational and Scientific Symposium in San Antonio, Texas, May 25-29, 1992

**Abstracts Reviewer for:**

The American College of Chest Physicians for its 58th Annual Scientific Assembly in Chicago, Illinois, October 25-29, 1992

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 22nd Educational and Scientific Symposium in New York, New York, June 9-13, 1993

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 23rd Educational and Scientific Symposium in Orlando, Florida, January 30 - February 3, 1994

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 25th Educational and Scientific Symposium "The Power of Partnerships" in New Orleans, LA, February 5-9, 1996

**JOURNALS REVIEWER, SCIENTIFIC REVIEWS ETC. (continued):**

**Abstracts Reviewer for:**

The Society of Critical Care Medicine for its 26th Educational and Scientific Symposium "Beacon of Excellence" in San Diego, California, February 6-10, 1997

**Abstracts Reviewer for:**

Theme abstract reviewer for Pediatric Academic Societies 1997 APS/SPR/APA Pediatric Academic Societies Annual Meeting in Washington, D.C., May 2-6, 1997

**Abstracts Reviewer for:**

Society of Critical Care Medicine 27<sup>th</sup> Education and Scientific Symposium, February 4-8, 1998, San Antonio, Texas

**Abstracts Reviewer for:**

Society of Critical Care Medicine Symposium, February, 1999

**Abstracts Reviewer for:**

Society of Critical Care Medicine Symposium, February, 2000

**Abstracts Reviewer for:**

Society of Critical Care Medicine International Educational and Scientific Symposium, San Francisco, California, February 10-14, 2001

**Abstracts Reviewer for:**

31<sup>st</sup> Critical Care Congress

Society of Critical Care Medicine International Educational and Scientific Symposium, San Diego, California, January 26-30, 2002

**Abstracts Reviewer for:**

32<sup>nd</sup> Critical Care Congress 2003

Society of Critical Care Medicine

**Reviewer for:**

American Lung Association of Calif. Research Training Fellowship Review Committee, 1999

**Reviewer for:**

American Lung Association of Calif. Research Training Fellowship Review Committee, 2000

**VOLUNTEER WORK**

Speaker in High School: Science, History

Cystic Fibrosis Executive Board, Western Region

American Lung Association - ALAC-RP Research Training Fellowship Review Committee

Board Examination Writer for Sub-boards in Pulmonology and Critical Care

Society of Critical Care Medicine

Reviewer for American Thoracic Society

Reviewer for Medical Journals

Member of Multiple Community Committees

### GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR)

1. **Nussbaum E**: Objective assessment of metaproterenol sulfate (Specific - Beta -2) in Preschool asthmatic children. Boehringer Ingelheim, July 1981 \$35,000.00
2. **Nussbaum E**: Double-Blind dose-response study of metaproterenol inhalant solution in young pediatric outpatients with reversible obstructive airway disease. Boehringer Ingelheim, July 1984 \$29,952.00
3. Carrazco JF, Folli H, **Nussbaum E**, Maggi JC, VanDerStuyf LJ: Comparative clinical evaluation and serum Theophylline levels in children after a single dose of Uniphyl vs Theo-Dur BID. Memorial Foundation. \$5,494.00
4. Stutman HR, **Nussbaum E**, Marks MI: A Double-blind, placebo-controlled comparison of extended FortazR (Ceftazidime) therapy to oral cefuroxime axetil in pseudomonas aeruginosa pulmonary infection among patients with Cystic Fibrosis. July 1986 \$20,290.00
5. Marks MI, Stutman HR, **Nussbaum E**: Antibiotic prophylaxis in infants with Cystic Fibrosis. Memorial Foundation, July 1986 \$45,075.40
6. National Inst. of Allergy and Infectious Disease Memorial Foundation, 1986-1995 \$3,700,000.00
7. Maggi JC, **Nussbaum E**: Study of lung cell population in children by bronchoalveolar lavage. Memorial Foundation, 1986 \$8,063.00
8. **Nussbaum E**, Stutman HR, Janai H, Eyzaguirre M: Ribavirin treatment for bronchiolitis in infants. Memorial Foundation, 1987 \$50,297.00
9. Stutman HR, **Nussbaum E**, Hoshiko MH, Zaleska M: National surveillance of Cepacia colonization or infection of patients with Cystic Fibrosis. Centers for Disease Control, 1987 \$2,000.00
10. Stutman HR, Marks MI, **Nussbaum E**: Immunity to staph. aureus in Cystic Fibrosis patients. National Cystic Fibrosis Foundation, 1988 \$1,500.00
11. Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital. National Cystic Fibrosis Foundation, 1988 \$8,013.00
12. Stutman H, Marks MI, **Nussbaum E**: Prolonged Ciprofloxacin therapy in chronic pulmonary infection. National Cystic Fibrosis Foundation \$217,995.00
13. Chin TW, **Nussbaum E**, Eyzaguirre M: Use of aerosolized furosemide in hyperactive airway disease. Memorial Foundation, September 1989 \$5,400.00
14. Fisher DG, Davis AL, **Nussbaum E**: Analysis of concordance of capillary blood gas values and arterial blood gas values. Memorial Foundation, September 1989 \$6,096.00

**GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR continued):**

15. Fisher DG, Davis AL, **Nussbaum E**: Analysis of steady state pharmacokinetics of epinephrine infusion in critically ill children. Memorial Foundation, September 1989 \$8,950.00
16. Rub R, Eyzaguirre M, Chin TW, **Nussbaum E**: Comparison of inhaled Albuterol with and without atropine in bronchopulmonary dysplasia. Memorial Foundation, January 1990 \$5,559.45
17. Rub B, Davis AL, **Nussbaum E**: Sedation of pediatric patients requiring assisted mechanical ventilation. Memorial Foundation, November 1989 \$10,891.00
18. Stutman H, Janai H, **Nussbaum E**, Marks M: A study of A new respiratory syncytial virus (RSV) vaccine: safety and efficacy. Memorial Foundation, October 1989 \$56,075.00
19. Chin TW, **Nussbaum E**, Eyzaguirre M: Use of aerosolized cromolyn sodium in pediatric hyperactive airway disease. Memorial Foundation, September 1989 \$4,368.00
20. Arguedas A, **Nussbaum E**: A non-comparative study of the safety, efficacy and pharmacokinetics of cefepime in pediatric patients with serious bacterial infections. Cystic Fibrosis Foundation, July 1990 - March 1992 \$11,502.00
21. Chin TW, **Nussbaum E**, Janai H: Role of tumor necrosis factor in cystic fibrosis and asthma. Memorial Foundation, November 1990-1995 \$11,160.00
22. Jalili M, **Nussbaum E**: Cerebral blood flow changes using Doppler ultrasound in anoxic, ischemic encephalopathy. Memorial Foundation, October 1990
23. Fisher D, **Nussbaum E**: Retrospective analysis of the indications of mechanical ventilation and prognostic factors related to acute respiratory failure. Memorial Foundation, October 1990
24. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California. National Cystic Fibrosis Foundation, 1991 \$14,727.00
25. Franchi L, Chin TW, **Nussbaum E**: Effect of inhaled furosemide on bronchiolitis. Memorial Foundation, 1991-1995 \$5,750.00
26. Franchi LM, Maggi JC, **Nussbaum E**: Correlation of oxygen saturation and end-tidal CO<sub>2</sub> during bronchoscopy in children. Memorial Foundation, December 1991 \$279.00
27. Roberto L, Chin T, **Nussbaum E**: The Tilade clinical experience study: An evaluation of Tilade in symptomatic patients with mild to moderate asthma. Fisons Corporation. \$1,000.00
28. Stutman HR, **Nussbaum E**, Zaleska M, LaVia WV, Towne P: Prospective, randomized, third-party blind study to compare the safety and efficacy of Ciprofloxacin (IV/PO) with IV ceftazidime/tobramycin in the treatment of pediatric CF patients with acute pulmonary exacerbation. Memorial Foundation, April 20, 1992 \$30,000.00
29. Roberto, L, Chin T, **Nussbaum E**: Use of Theophylline in hospitalized pediatric patients with asthma. Memorial Foundation \$300.00
30. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California. National Cystic Fibrosis Foundation July 1, 1992 to June 30, 1993 \$15,943.00

**GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR continued):**

31. Reda Z, Roberto L, **Nussbaum E**: High dose continuous Albuterol nebulization in the treatment of pediatric patients with status asthmatics. Memorial Foundation, 1992-1995 \$3,380.00
32. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California. National Cystic Fibrosis Foundation July 1, 1993 to June 30, 1994 \$15,830.00
33. Stutman HR, Roberto L, Chin TW, **Nussbaum E**: An evaluation of pentoxifylline (Trental) on sputum neutrophil elastase and pulmonary function in patients with Cystic Fibrosis. Memorial Foundation, 1993-1995 \$29,500.00
34. Stutman HR, **Nussbaum E**: A Multicenter, epidemiologic protocol to evaluate pulmonary function and the rate of respiratory tract infections in patients with Cystic Fibrosis. Memorial Foundation, September 1993 to September 1994 \$32,000.00
35. Stutman HR, **Nussbaum E**: A Multicenter, double blind, placebo controlled study to evaluate the safety and efficacy of aerosolized rhDNase therapy in patients with Cystic Fibrosis who have advanced lung disease. Genentech, Inc. \$15,000.00
36. Stutman HR, **Nussbaum E**: A multi-center comparative study of cefepime versus ceftriaxone in the treatment of meningitis in pediatric patients. Bristol-Myers Squibb, February 1, 1994 to August 1, 1995 \$25,000.00
37. Houry S, **Chin TW**, **Nussbaum E**: Role of cytokines in bronchiolitis. Memorial Foundation, January 1992-1995 \$5,400.00
38. Stutman HR, Chin TW, **Nussbaum E**, Newton T: Airway clearance techniques: A comparison of positive expiratory pressure (PEP) and postural drainage, percussion & vibration (PDPV) on lung function and clearance of pulmonary secretions in patients with cystic fibrosis. Memorial Foundation, January 1995 \$20,096.00
39. Stutman HR, **Nussbaum E**, Narasimhan N, Sy L: A double blind, randomized, placebo controlled study to assess the safety and efficacy of single IV doses of SB209763 in infants and young children hospitalized with RSV infection. Smith Kline Beecham Pharmaceuticals, January 1, 1995 to December 31, 1996 \$26,592.00
40. Stutman HR, Riker J, Huthsteiner G, **Nussbaum E**: A multinational, multi-center, double-blind, placebo-controlled, phase III study to evaluate the efficacy and safety of aerosolized recombinant human DNase in hospitalized patients with chronic obstructive pulmonary disease experiencing a pulmonary exacerbation. Genentech, Inc., October 1, 1994 to September 30, 1995 \$50,000.00
41. Stutman HR, **Nussbaum E**, Cunningham MD, Jacinto J: A double blind, randomized, placebo controlled study to assess the safety and efficacy of multiple IM doses of SB209763 in infants and young children with underlying disease as prophylaxis against the development of serious RSV infection. SmithKline Beecham Pharmaceuticals, October 1, 1995 to September 30, 1996 \$84,336.00
42. Stutman, HR, **Nussbaum E**, Lieberman, J: A phase III placebo controlled clinical trial (PC-TNDS-002) to study the safety and efficacy of Tobramycin for inhalation in patients with cystic fibrosis. PathoGenesis Corporation, October 1, 1995 to September 31, 1996 \$59, 520.00

**GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR continued):**

43. Stutman HR, **Nussbaum E**, Narasimhan N, Sy L: A double blind, randomized, placebo controlled study to assess the safety and efficacy of single IV doses of SB209763 in infants and young children hospitalized with RSV infection.  
Smith Kline Beecham Pharmaceuticals, January 1, 1995 to December 31, 1996 \$26,592.00
44. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation  
July 1, 1995 to June 30, 1996 \$19,487.00
45. Chin TW, Yuengsrigul A, **Nussbaum E**. Sleep related disorder in sickle cell patients and effect of adenotonsillectomy. Memorial Foundation 1994-1995 \$4,466.00
46. **Nussbaum E**, Chin TW, Yuengsrigul A. Effect of furosemide on cytokine production from peripheral blood mononuclear cells. Memorial Foundation 1995-1996 \$14,982.00
47. **Nussbaum, E**, Yuengsrigul A, Chin TW. Effectiveness of Aerosolized Furosemide and Mechanisms of Action in Pediatric Asthma. Memorial Foundation 1996 \$24,864.00
48. **Nussbaum, E**, Samransamruajkit R, Chin TW. Effect of the Flutter VPR1 as an Adjunctive Therapy for Hospitalized Asthmatic Children. Memorial Foundation 1996 \$10,560.00
49. Samransamruajkit R, Gupta S, Gollapudi S, **Nussbaum, E**. Cytokines release from a human pulmonary epithelial cell line (A 549) exposed to RSV which mediated IgE production and the modulation of endothelin-1 expression. Memorial Foundation 1996 \$17,960.00
50. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation July 1, 1996 - June 30, 1997 \$24,517.00
51. **Nussbaum E**, Cooper D, Moser C. Growth, Growth Factors, and Physical fitness in Cystic Fibrosis.  
Memorial Foundation 1997 \$18,355.00
52. **Nussbaum E**, Samransamruajkit R, Chin T. The Modulation of Potent Inflammatory Cytokines, Interleukin-8, Interleukin-6 by Glucocorticoids and Ribavirin in Bronchial Epithelial Cells After Exposure to RSV.  
Memorial Foundation 1998 \$10,800.00
53. Lieberman J, **Nussbaum E**. Evaluation of the Efficacy, Safety, Tolerance and Pharmacokinetics of Meropenem for the treatment of Acute Pulmonary Exacerbations in Patients with Cystic Fibrosis.  
Rainbow Babies and Children's Hospital 1998 \$3,750.00
54. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation. July 1, 1997 - June 30, 1998 \$27,059.00
55. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation. July 1, 1998 - June 30, 1999 \$29,850.00
56. Cooper D, **Nussbaum E**: Exercise, Cytokines, and Growth Factors in CF,  
Cystic Fibrosis Foundation. July 1, 1999 \$86,400.00

**GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR continued):**

57. Lieberman J, **Nussbaum E**: A Phase IV Study of the Safety of Synagis (Palivizumab) for Prophylaxis of Respiratory Syncytial Virus in Children with Cystic Fibrosis.  
MedImmune, Inc. Gaithersburg, MD 20878 \$24,900.00
58. **Nussbaum E**, O'Donnell N: Validation of a Disease-Specific Quality of Life Questionnaire for Cystic Fibrosis. Cystic Fibrosis Foundation Educational Grant  
University of Florida, Gainesville, Florida \$2,084.00
59. Clinical Grant for Adult Cystic Fibrosis Program, Memorial Miller Children's Hospital, Long Beach California.  
National Cystic Fibrosis Foundation. July 1, 2000 - June 30, 2001 \$6,000.00
60. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation, July 1, 1999 to June 30, 2000 \$31,751.00
61. Clinical Grant for Cystic Fibrosis Center, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation July 1, 2000 to June 30, 2001 \$42,639.00
62. Clinical Grant for Adult Cystic Fibrosis Program, Memorial Miller Children's Hospital, Long Beach, California.  
National Cystic Fibrosis Foundation. July 1, 2001- June 30, 2002 \$6,000.00
63. **Nussbaum E**, O'Donnell N, Kharrazi M: Development of Cystic Fibrosis Newborn Screening Strategies for Multiethnic Populations. Health Resources and Services Agency-funded National Newborn Screening and Genetics Resource Center, 2000
64. **Nussbaum E**: Cystic Fibrosis Foundation Grant, July 1, 2001 to June 30, 2002 \$40,496.00
65. **Nussbaum E**: National Cystic Fibrosis Foundation Grant, July 1, 1989 - June 30, 2001 \$14,213.00
66. **Nussbaum E**: CFF Care Center Grant for July 1, 2001 - June 30, 2002 \$13,498.67
67. Lieberman, **Nussbaum E**, JM, Marks M: A Phase 1 Single-dose, Dose-escalation Trial Comparing Safety, Pharmacokinetics, and Delivery Time of Tobramycin Powder for Inhalation (TPI) Administered by the Nectar T-326 Dry Powder Inhaler Device (T-326 Inhaler) to Tobramycin Solution for Inhalation (TOBI® at 300 mg/5mL) Administered by a PARI LC PLUS™ Jet Nebulizer/DeVilbiss PulmoAide™ Compressor in Cystic Fibrosis (CF) Patients (TP1001). February 11, 2004 \$26,000.00
68. **Nussbaum E.**: Cystic Fibrosis Foundation Grant, July 1, 2002 to June 30, 2003 \$39,671.30
69. **Nussbaum E.**: Cystic Fibrosis Foundation Grant, July 1, 2002 to June 30, 2004 \$39,671.30
70. Cooper DM, Blake DR, **Nussbaum E**, Lieberman, J, Kamboures M, Rose-Grotton, C: A New Non-Invasive Approach to Lung Pathogens. June 28, 2004. UCI/MHS - Applying \$257,127.00
71. **Nussbaum E.**: Cystic Fibrosis Foundation Grant, July 1, 2004 to June 30, 2005 \$39,671.30



**GRANTS AND CONTRACTS: (AS PRINCIPAL OR CO-INVESTIGATOR continued):**

72. Lieberman, J., **Nussbaum, E.** et. Al.: Effectiveness and Safety of Intermittent Antimicrobial Therapy for the Treatment of New Onset Pseudomonas Aeruginosa Airway Infection in Young Patients with Cystic Fibrosis (Protocol #EPIC-001). February 2005.  
Sponsored by Chiron, Cystic Fibrosis Foundation, NIH. \$28,276.00
73. Lieberman, J., **Nussbaum, E.** et. Al.: The EPIC Observational Study: Longitudinal Assessment of Risk Factors For and Impact of Pseudomonas aeruginosa Acquisition and Early Anti-Pseudomonas Treatment in Children with CF (Protocol # EPIC-002). February 2005. Sponsored by Chiron, Cystic Fibrosis Foundation, NIH. \$4,481.00
74. **Nussbaum E.** Cystic Fibrosis Foundation Grant, July 1, 2005 to June 30, 2006 \$39,671.30
75. Lieberman, J., **Nussbaum, E.**: A Randomized, Open-label, Multicenter Phase 3 Trial to Assess the Safety of Tobramycin Inhalation Powder (TIP) Compared to TOBI in Cystic Fibrosis (CF) Subjects \$69,780.00
76. Schwindt, C., **Nussbaum, E.**, Chin, T., Graf, S.: What Really Causes Exercise-Induced Asthma in Children? \$54,000.00
77. Chin, T., **Nussbaum, E.**: Efficacy of short course aztreonam inhaled therapy (Phase 3 Trial; CP-AI-007) \$31,934.00
78. **Nussbaum E.**: Cystic Fibrosis Foundation Grant, July 1, 2006 to June 30, 2007 \$39,671.30
79. **Nussbaum E.**: Relationship of Early Childhood Asthma and Atopy to Traffic-related Air Pollution. \$669,904.00
80. Delfino, R., **Nussbaum, E.**: Nickolas, E. Cooper, D.: Relationship of Early Childhood Asthma and Atopy to Traffic-related Air Pollution. \$669,904.00
81. **Nussbaum E.**: CF Foundation Grant, July 1, 2007 to June 30, 2008 \$63,680.00
82. **Nussbaum E.**: CF Foundation Grant, July 1, 2008 to June 30, 2009 \$67,220.00
83. **Nussbaum E.**: A Phase 3 Efficacy and Safety Study of PTC124 as Oral Treatment for Nonsense-Mutation-Mediated Cystic Fibrosis Protocol # PTC 124-GD-009-CF July 2009 Pending

### **PUBLICATIONS - PEER REVIEWED:**

1. Lerman P, **Nussbaum E**: Treatment of Haloperidol in "maladie des tic" in children. Harefuah 1974; 86:241-242.
2. Lerman P, **Nussbaum E**: The use of sulthiame in myoclonic epilepsy of childhood and adolescence. Acta Neurol Scand 1975;(suppl) 60:7-12
3. Tepperberg J, **Nussbaum E**, Feldman F: Cortical blindness following meningitis due to Hemophilus influenza type B. J Pediatr 1977; 91:434-36.
4. **Nussbaum E**, Jeyaranjan TR, Feldman F: Primary meningococcal conjunctivitis followed by meningitis. J Pediatr 1978; 92:784-5.
5. **Nussbaum E**, Hirschfeld SS, Wood RE, Boat TF, Doershuk CF: Echocardiographic changes in children with pulmonary hypertension secondary to upper airway obstruction. J Pediatr 1978; 93:931-936.
6. **Nussbaum E**: Cystic fibrosis: Manual of diagnosis and management (Review). Respir Care 1978; 23:627.
7. **Nussbaum E**, Boat TF, Wood RE, Doershuck CF: Cystic fibrosis with acute hyoelectrolytemia and metabolic alkalosis in infancy. Am J Dis Child 1979; 133:965-966.
8. **Nussbaum E**, Hirschfeld SS, Wood RE, et al: Hemodynamics of upper airway obstruction. J Pediatr 1979; 94:1016-17. (editorial correspondence)
9. **Nussbaum E**, Abramowsky C: A case of mycobacterium-avium infection. Early detection of auramine-o fluorescent technique. Clin Pediatr 1980; 19(2):131-3.
10. **Nussbaum E**, Flexible fiberoptic bronchoscopy and laryngoscopy in children under 2 years of age - Diagnostic and therapeutic applications of a new pediatric flexible fiberoptic bronchoscope. Critical Care Med 1982; 10:770-772.
11. Hirschfeld SS, Rudner C, Nash CL, **Nussbaum E**, Brower EM: Incidence of mitral valve prolapse in adolescent scoliosis and thoracic hypokyphosis. Pediatrics 1982; 70:451-454.
12. **Nussbaum E**: Upper airway obstruction in an infant due to radiolucent cleft palate obturator. Clin Pediatr 1982; 21:153.
13. **Nussbaum E**, Hanson GR, Galant SP: Nontuberculous mycobacterial infection in an infant with mediastinal mass. Clin Pediatr 1982; 21(4):246-247.
14. **Nussbaum E**, Galant SP: Intracranial pressure monitoring as a guide to prognosis in the nearly drowned, severely comatose child. J Pediatr 1983; 102:215-218.
15. **Nussbaum E**: Flexible fiberoptic bronchoscopy and laryngoscopy in infants and children. Laryngoscope 1983; 93:1073-1075.
16. **Nussbaum E**: Fiberoptic laryngoscopy as a guide to tracheal extubation in acute epiglottitis in children. J Pediatr 1983; 102:269.
17. **Nussbaum E**: Adult-type respiratory distress syndrome in children. Experience in seven cases. Clin Pediatr 1983;22:401-406

**PUBLICATIONS - PEER REVIEWED (continued):**

18. Primiano FP, **Nussbaum E**, Hirschfeld SS, et al: Early echocardiographic and pulmonary function findings in idiopathic scoliosis. *J Pediatr Ortho* 1983; 3(4):475-481.
19. Galant SP, **Nussbaum E**, Wittner R, DeWeck AL, Heiner DC: Increased IgD milk antibody responses in a patient with Down's Syndrome, pulmonary hemosiderosis and cor pulmonale. *Annals of Allergy* 1983; 51(4):446-9.
20. **Nussbaum E**: Flexible fiberoptic laryngoscopy and bronchoscopy in infants and children. *Laryngoscope* 1983; 93(11) (Part 1):1489. (editorial correspondence)
21. **Nussbaum E**, Galant SP: Measurement of total respiratory resistance in children by a modified forced oscillation method. *Pediatr Research* 1984; 18:139-145.
22. **Nussbaum E**, Fleming DG, Wood RE, Boat TF, Doershuk CF, Young LW: Stridor due to radiopaque foreign body. *Am J Dis Child* 1984; 138:1081-1083.
23. Anderson CE, Finklestein JZ, **Nussbaum E**, Larson EJ, Halpern R, Uitto J, Tanaka KR: Association of hemolytic anemia and early-onset pulmonary emphysema in three siblings. *J Pediatr* 1984; 105:247-251.
24. **Nussbaum E**: "Adult respiratory distress syndrome in children" *Emergency Medicine* 1984; 16(9):135.
25. Itano M, **Nussbaum E**, Symons JL: Coulometric titration of sweat collected with the webster collection system. *Respir* 1985; 47:220-224.
26. **Nussbaum E**: Pediatric flexible bronchoscopy and its application in infantile atelectasis. *Clin Pediatr* 1985; 24:379-382.
27. **Nussbaum E**, Maggi JC: Intracranial pressure monitoring by the subarachnoid bolt in comatose children. *Clin Pediatr* 1985; 24:329-330.
28. Gyepes M, **Nussbaum E**: Radiographic-Endoscopic correlations in the examination of airway disease in children. *Pediatr Radiology* 1985; 15:291-296.
29. **Nussbaum E**: Prognostic variables in nearly drowned, comatose children. *AJDC* 1985; 139:1058-1059.
30. Maggi JC, **Nussbaum E**: Severe Clonidine overdose in children requiring critical care. *Clin Pediatr* 1986; 25:453-455.
31. **Nussbaum E**: Intact survival rates in nearly-drowned comatose children. *AJDC* 1986; 140:504-505. (editorial correspondence)
32. **Nussbaum E**, Vidyasagar D, Sarnaik AP: Neonatal and Pediatric Intensive Care. *PSG Publishing Co. Crit Care Med* 1986; 14:313 (Review).
33. Kildo CW, Harralson AF, Folli HL, Kelly PC, **Nussbaum E**: Direct determination of Tobramycin clearance in patients with mild-to-moderate cystic fibrosis. *Drug Intelligence and Clin Pharm* 1987; 21:639-642.
34. **Nussbaum E**, Galant SP: Bronchodilator effects of oral metaproterenol sulfate in preschool children with asthma. *J Pediatr* 1987; 110:148-151.

**PUBLICATIONS - PEER REVIEWED (continued):**

35. **Nussbaum E**, Maggi JC, Mathis RK, Galant SP: Association of lipid-laden alveolar macrophages and gastroesophageal reflux in children. *J Pediatr* 1987;110:190-194
36. Maggi JC, **Nussbaum E**: Massive pulmonary infarction in sickle cell disease. *Pediatr Emergency Care* 1987; 3:30-32.
37. **Nussbaum E**, Maggi JC: Pentobarbital therapy does not improve neurologic outcome in nearly-drowned flaccid comatose children. *Pediatrics* 1988; 81:630-634.
38. **Nussbaum E**, Groncy P, Finklestein J, Dickman P, Harrell J: Early onset of childhood pulmonary lymphangiomatosis. *Clinical Pediatrics* 1988; 27:279-285.
39. Dickman PS, **Nussbaum E**, Finklestein JZ: Arteriotracheal fistula in patients treated for lymphoma. *Pediatric Pathology* 1989; 9:329-336.
40. **Nussbaum E**, Eyzaguirre M, Galant SP: Dose-Response relationship of inhaled metaproterenol sulfate in preschool children with mild asthma. *Pediatrics* 1990; 85:1072-1075.
41. **Nussbaum E**, Maggi JC: Laryngomalacia in children. *Chest* 1990; 98:942-944.
42. Graves P, Davis A, Maggi JC, **Nussbaum E**: Femoral artery cannulation for monitoring in critically ill children: Prospective study. *Crit Care Med* 1990; 18:1363-1366.
43. Chin TW, **Nussbaum E**: Detrimental effect of hypotonic cromolyn sodium. *J Pediatr* 1992; 120:641-643.
44. Franchi LM, Chin TW, **Nussbaum E**, Riker J, Robert M, Talbert WM: Familial pulmonary nodular lymphoid hyperplasia. *J Pediatr* 1992; 121:89-92.
45. Arguedas AG, Stutman HR, Zaleska M, Knupp CA, Marks MI, **Nussbaum E**: Cefepime: Pharmacokinetics and clinical response in patients with cystic fibrosis. *AJDC* 1992; 146:797-802.
46. Chin T, **Nussbaum E**. Detrimental effects of hypotonic cromolyn sodium. *Pediatr.* 1992; 121:992-993. (editorial correspondence)
47. Janai HK, Stutman HR, Zaleska M, Rub B, Eyzaguirre M, Marks M, **Nussbaum E**. Ribavirin effect on pulmonary function in young infants with respiratory syncytial virus bronchiolitis. *Pediatr Infect Dis J*, 1993; 12:214-218.
48. Franchi LM, Maggi JC, **Nussbaum E**: Continuous End-Tidal CO<sub>2</sub> in pediatric bronchoscopy. *Pediatr Pulmonol* 1993; 16:153-157.
49. Chin TW, Franchi L, **Nussbaum E**: Reversal of bronchial obstruction in children with mild stable asthma by aerosolized furosemide. *Pediatr Pulmonol* 1994; 18:93-8.
50. **Nussbaum E**: Usefulness of miniature flexible fiberoptic bronchoscopy in Children. *Chest* 1994; 106:1438-42.

**PUBLICATIONS - PEER REVIEWED (continued):**

51. **Nussbaum E**: Pediatric fiberoptic bronchoscopy. Clin Pediatr 1995; 34:430-435.
52. Sy MLT, Chin TW, **Nussbaum E**: Pneumocystis Carinii pneumonia associated with inhaled corticosteroids in an immunocompetent child with asthma. J Pediatr 1995; 127:1000-2
53. **Nussbaum E**, Katz E: Parental pressures on health care providers. Intensive Care World 1996; 13:109-11.
54. Chin T, **Nussbaum E**. Risk/benefit ratio of inhaled steroids. J. Pediatr. 1996; 129(6): 942-943. (editorial correspondence)
55. Church DA, et al, and Cystic Fibrosis Study Group, et al: Sequential Ciprofloxacin therapy in pediatric cystic fibrosis: comparative study vs. ceftazidime/tobramycin in the treatment of acute pulmonary exacerbations. Pediatr Infect Dis J, 1997; 16:97-105
56. Yuengsrigul A, Chin TW, Nehlsen-Cannarell S, **Nussbaum E**: Immunosuppressive and cytotoxic effects of furosemide on human peripheral blood mononuclear cells. Ann Allergy Asthma Immunol, 1999; 83:559-566
57. Samransamruajkit R, Gollapudi S, Kim CH, Gupta S, **Nussbaum E**: The modulation of endothelin-1 expression in pulmonary endothelial cell line (A549) after exposure to RSV. Intl J Mol Med; 2000; 6(1):101-5
58. Moser C, Tirakitsoontorn P, **Nussbaum E**, Newcomb R, Cooper D. Muscle Size and Cardiorespiratory Response to Exercise in Cystic Fibrosis. Am J Respir Crit Care Med. 2000; 162:1823-1827.
59. Moser C, **Nussbaum E**, Cooper D. Plastic Bronchitis and Role of Bronchoscopy in the Acute Chest Syndrome of Sickle Cell Disease. CHEST; 2001;120(2):608-613
60. **Nussbaum E**, Zagnoev M. Pediatric Fiberoptic Bronchoscopy with Laryngeal Mask Airway. CHEST; 2001; 120(2): 614-616
61. Tirakitsoontorn P, **Nussbaum E**, Moser C, Hill M, Cooper D: Fitness, Acute Exercise, and Anabolic and Catabolic Mediators in Cystic Fibrosis. Am J Respir Crit Care Med. 2001; 164:1432-7
62. Stutman H, Lieberman J, **Nussbaum E**, Marks MI, et al: Antibiotic Prophylaxis in infants and young children with cystic fibrosis: A randomized controlled trial. J Pediatr 2002; 140:299-305
63. **Nussbaum E**. Pediatric Fiberoptic Bronchoscopy: Clinical Experience with 2,836 Bronchoscopies. Pediatr Crit Care Med 2002; 3:171-176
64. Liangthanasarn P, Nemet D, Sufi R, **Nussbaum E**: Therapy for pulmonary aspiration of a polyethylene glycol solution. J Pediatr Gastroenterol Nutr. 2003; 37(2): 192-194
65. Samransamruajkit, Chin TW, Yuengsrigul A; Newton T, **Nussbaum E**: Possible Beneficial effect of Chest Physical Therapy in Hospitalized Asthmatic Children. Pediatric Asthma, Allergy and Immunology (PAAI) 2003; 16(4): 295-303
66. Gelb AF, Taylor CF, **Nussbaum E**, Gutierrez C, Schein A, Shinar CM, Schein MJ, Epstein JD, Zamel N: Alveolar and Airway Sites of Nitric Oxide Inflammation in treated Asthma. Am J Respir Crit Care Med 2004; 170:737-741

**PUBLICATIONS - PEER REVIEWED (continued):**

67. Gelb AF, Schein A, Nussbaum E, Shinar CM, Aelony Y, Aharonian H, Zamel N: Risk Factors for Near-Fatal Asthma. CHEST, 2004; 126:1138-1146
68. Alper OM, Wong LJ, Young S, Pearl M, Graham S, Sherwin J, Nussbaum E, Nielson D, Platzker A, Davies Z, Lieberthal A, Chin T, Shay G, Hardy K, Kharrazi M: Identification of novel and rare mutations in California Hispanic and African American cystic fibrosis patients. Human Mutation 2005; 25(2): 223
69. Moser C, Maggi C, Bethencourt D, Romansky S, Nussbaum E: Not All That Wheezes is Asthma - A Case Report of an Endobronchial Tumor in a Child. Ped Asthma, Allergy & Immunology (PAAI) 2004, 17:204-207
70. Moser C, Nussbaum E, Thompson R.: Misdiagnosing Cystic Fibrosis in the Era of Gene Analysis: Case Reports. Pediatric Pulmonology. 2005, 39(4): 379-381
71. Kamboures M.A., Blake D.R., Cooper D.M., Newcomb R.L., Barker, M., Larson J.K., Meinardi S., Nussbaum E., Rowland F.S.: Breath Sulfides and Pulmonary Function in Cystic Fibrosis. Proc Natl Acad Sci (PNAS) 2005; 102(#44): 15762-15767
72. Thompson, R., Delfino, R., Tjoa, T., Nussbaum, E., Cooper, D.: Evaluation of Daily Home Spirometry for School children with Asthma: New Insights. Pediatric Pulmonology 2006; 41(9): 819-828.
73. Ischander, M., Zaldivar, F., Eliakim, A., Nussbaum, E., Dunton, G., Leu, S. Cooper, D., Schneider, M.: Physical activity, Growth, Inflammatory Mediators In BMI-Matched Female Adolescents. Med Sci Sports Exerc. 2007; 39(7): 1131-1138
74. Randhawa I., Chin TW, Nussbaum, E. Resolution of Corticosteroid-Induced Diabetes in Allergic Bronchopulmonary Aspergillosis with Omalizumab Therapy: A Novel Approach. Journal of Asthma. 2009; 46: 445-447.
75. Randhawa, I., Nussbaum, E. Not all that Wheezes is Bronchial Ashtma: N Engl j Med 2010; 363 (1):e1.
76. Keiles, S., Koepke, R., Parad, R., et al: Impact of IVS8-(TG)m (T)n haplotype on immunoreactive trypsinogen and sweat chloride levels in a cohort hypertrypsinogenemic newborns with genotype ΔF508/5T identified by California cystic fibrosis newborn screening: (in preparation).
77. Koepke, R., Keiles, S., et al.: Novel CFTR variants identified during the first two years of cystic fibrosis newborn screening in California. (in preparation)
78. Abosaida, A., Radom-Aizik, S., Leu, S.Y., Nussbaum, E., Cooper, D., Schwindt, C.: Vigorous Exercise Can Cause Abnormal Pulmonary Function in Healthy Children: (in preparation).
79. Moua, J., Becker, A., Nussbaum, E., Randhawa, I. The Persistent Embolized Pulmonary Thrombus: Literature review and Diagnostic and Novel Treatment Interventions: (submitted to pediatrics).
80. Moua, J., Randhawa, I., Cooper, D., Nussbaum, E.: Exercise Tolerance Test Parameters in Cystic Fibrosis: (in preparation).
81. Do, P., Randhawa, I., Nussbaum, E.: Airborne Pollution in Pediatric Cystic Fibrosis: The Role of Carbon Macrophages: (in preparation).

### ABSTRACTS - PEER REVIEWED:

1. \* **Nussbaum E**: Cerebral perfusion pressure predicts survival in the near-drowned, severely comatose child. WSPR Clin Res February 1983; 31(1):130A. (abs.)
2. \* **Nussbaum E**: The importance of intracranial pressure monitoring in the near-drowning child. Clin Res 1982;30:136A. (abs.)
3. Matthews LW, Rodman H, **Nussbaum E**: The hyperglycemia of cystic fibrosis. Pediatr Research 1978; 12(4):510. (abs.)
4. **Nussbaum E**, Primiano FP, Horowitz JG, Lough M: Characterization of restrictive and obstructive diseases using relations among static pulmonary function parameters. Pediatr Research 1978; 12(4):566. (abs.)
5. \* **Nussbaum E**, Rodman HM, Matthews LW, et al: Insulin requiring hypoglycemia in cystic fibrosis. CF Club abstracts. Page 20, Atlanta, Georgia, May 1, 1979; 20:20. (abs.)
6. \* Rodman HM, Matthews LW, **Nussbaum E**, et al: Chronic complications of diabetes in cystic fibrosis patients. Perspectives in cystic fibrosis. Proceedings of the Eight International Congress on Cystic Fibrosis. Page 31a. Presented in the International Congress, May 1980. Toronto, Canada. (abs.)
7. **Nussbaum E**, Galant SP: Intracranial pressure as guide to therapy and prognosis in the near-drowned child. Pediatr Research 1982; 16(4):338A. (abs.)
8. **Nussbaum E**, Galant SP: The importance of intracranial pressure monitoring in the near-drowned child. Pediatr Research 1981; 15(4):555. (abs.)
9. **Nussbaum E**, Jeanotte B, Galant SP: Measurement of total respiratory resistance in children by a modified forced oscillation (F.O.) method. Pediatr Research 1982; 16(4):358A. (abs.)
10. \* Kildo CW, Harralson AF, Folli HL, Kelly PC, **Nussbaum E**: Direct determination of tobramycin (T) clearance in cystic fibrosis patients. The Cystic Fibrosis Club, May 7, 1983, Radisson Muehlebach Hotel, Kansas City, MO. Cystic Fibrosis Club Abstracts 24th Annual Mtg., 1983; 24:55. (abs.)
11. \* Maggi JC, Allman F, **Nussbaum E**: Early use of hypothermia and pentobarbital coma in pediatric near-drowning. Presented SCCM Society Annual Meeting. San Francisco, May 31, 1984. In Critical Care Medicine 1984; 12:281. (abs.)
12. \* Gyepes MT, **Nussbaum E**: Radiographic-endoscopic correlations in the examination of airway disease in children. Presented 27th Annual Meeting of the Society of Pediatric Radiology in Las Vegas. Page 24, April 6, 1984. (abs.)
13. Davis B, Delano M, Dooley R, Harwood I, Kurland G, Lewiston N, Lipow H, Marino J, Murphy S, **Nussbaum E**, Olmstead N, Osher A, Rucker R, Taussig L, Wall M, et al: Height and weight of cystic fibrosis patients in western U.S. Clinics. Cystic Fibrosis Club Abstracts 1984; 25:67. (abs.)

**ABSTRACTS - PEER REVIEWED (Continued):**

14. Maggi JC, **Nussbaum E**: Cerebral perfusion pressure as a guide to prognosis in the near-drowned, severely comatose child. Society Crit Care Med, May 1984. (abs.)
15. **Nussbaum E**, Maggi JC: Pediatric flexible bronchoscopy in infantile atelectasis. Am Rev Res Dis 1984; 129(4):A225. (abs.)
16. **Nussbaum E**, Maggi JC: Intensive care pediatric flexible bronchoscopy. Society Crit Care Med, May 1984. (abs.)
17. **Nussbaum E**: Association between gastroesophageal reflux laryngomalacia and hyperreactive airways. Clin Research 1985; 33(1):148A. (abs.)
18. \* **Nussbaum E**, Dorchester W: Pentobarbital therapy does not improve neurological outcome in nearly drowned, flaccid comatose children. Pediatr Research 1985; 19:(#4 Part II) 144A. Poster presentation. SPR. Washington Sheraton Hotel, Washington, DC. May 6, 1985. (abs.)
19. **Nussbaum E**, Galant SP: Objective assessment oral metaproterenol sulfate syrup in young asthmatics. Pediatr Research 1985; 19:408A. (abs.)
20. \* Rucker R, Harwood I, Nickerson B, **Nussbaum E**, Davis B, Delano M, Kurland G, Wang CI, Dooley R, Lewiston J, Lewiston N, and Other Members of the Western Consortium of Cystic Fibrosis Physicians, Palo Alto and San Diego, California. Cystic Fibrosis Club Abstracts 26th Annual Meeting, Anaheim, California. Pulmonary Function of Adolescents and Adults with Cystic Fibrosis. 1985; 26:157. (abs.)
21. \* **Nussbaum E**, Maggi JC, VanDerStuyf LJ: Pentobarbital Therapy (P) does not improve neurological outcome in near-drowned, flaccid children (C). American Academy of Pediatrics. Poster presentation San Antonio, Texas. October 21, 1985. (abs.)
22. \* Gyepes MT, **Nussbaum E**: Radiographic - Endoscopic correlations in the examination of airway disease in children. AJR 1984; 143:696. (abs.)
23. **Nussbaum E**, Maggi JC, Galant SP: Association of lipid-laden alveolar macrophages and gastroesophageal reflux in children. Am Rev Res Dis 1986; 133(4):A366. (abs.)
24. \* SP Galant, **Nussbaum E**: Objective assessment of oral metaproterenol sulfate in preschool asthmatic children. J Allergy and Clin Immunology 1986; 77(1) (Part 2):185. (abs.)
25. \* Maggi JC, Davidson M, **Nussbaum E**: Comparison of sustained release Theophylline preparations in pediatric asthma. J Allergy and Clin Immunology 1986;77(1) (Part 2):186. (abs.)
26. \* Maggi JC, **Nussbaum E**: Pentobarbital therapy does not improve neurological outcome in nearly-drowned, flaccid-comatose children. Presented at the Society of Critical Care Medicine Annual Symposium, 5/27/87, Anaheim, California. Crit Care Med 1987; 15(4):418. (abs.)

\* Presented in National/International Meeting



**ABSTRACTS - PEER REVIEWED (Continued):**

27. \* Maggi JC, Nussbaum E: Comparison between invasive and noninvasive cardiac output determination in critically ill children. Presented at the Society of Critical Care Medicine, Annual Symposium, 5/27/87, Anaheim, California. Crit Care Med 1987; 15(4):358. (abs.)
28. \* Maggi JC, Nussbaum E: Effect of pentobarbital therapy in outcome of nearly-drowned, flaccid-comatose children. Poster Presentation at the Annual Meeting of the APS/SPR, 4/30/87, Anaheim, California. Pediatr Research 1987; 21(4) Part 2:203A. (abs.)
29. Nussbaum E, Maggi JC, Mathis R, Galant SP: Association of gastroesophageal reflux and lipid-laden alveolar macrophages in children with chronic respiratory disorders. Pediatric Digest 1987; 6:4-5. (abs.)
30. Kildoo CW, Harrison AF, Folli HL, Kelly PC, Nussbaum E: Direct determination of tobramycin clearance in patients with mild-to-moderate cystic fibrosis. Drug Intelligence & Clinical Phmcy 1987; 6(3):9. (abs.)
31. \* Maggi JC, Nussbaum E, Izkra C, Carrazco JF: Conversion of intravenous Theophylline to once/day Uniphyl in children with asthma. Presented at American College of Chest Physicians 53rd Annual Scientific Assembly, October 27 1987, Atlanta, Georgia. Chest August 1987; 92(2):75S. (abs.)
32. Kildoo CW, Harrison AF, Folli HL, Kelly PC, Nussbaum E: Direct determination of tobramycin clearance in patients with mild-to-moderate cystic fibrosis. Published in The Solution (Newsletter). (abs.)
33. Nussbaum E, Galant SP: Bronchodilator effects of oral metaproterenol sulfate in preschool children with asthma. The J Allergy and Clin Immun 1987; 74(1):3-4. (abs.)
34. \* Galant SP, Maggi JC, Nussbaum E: Bronchodilator effects of inhaled metaproterenol sulfate solution (MSS) in preschool asthmatic children. Presented in annual meeting of the American Academy of Allergy and Immunology, March 15, 1988. J All Clin Imm 1988; 81:277, (#437). (abs.)
35. \* Jalili M, Davis A, Nussbaum E: Hypokalemia associated hyperglycemia in trauma patients. Presented at National Conference on Pediatric Trauma, September 21-23, 1989, Ann Arbor, Michigan. Progress in Pediatric Trauma 1989; 3rd Ed: 252-253. (abs.)
36. \* Graves P, Davis A, Nussbaum E: Femoral arterial cannulation in critically ill children. Pediatric Critical Care Colloquium. Santa Monica, October 26, 1989. (abs.)
37. Fisher DG, Davis AL, Maggi JC, Nussbaum E: Correlation of capillary blood gases (CGB) and arterial blood gases (AGB) in critically ill children. Society for Pediatric Research 1990; 27:#4 Part 2-30A. (abs.)

**ABSTRACTS - PEER REVIEWED (Continued):**

38. \* Janai H, Marks M, Eyzaguirre M, Rub B, Zaleska M, Nussbaum E, Stutman H: Placebo controlled evaluation of ribavirin effect on airway resistance in infants with RSV-induced lower respiratory tract infection. Presented 9th International Symposium on Future Trends in Chemotherapy. Geneva, March 1990. Abstract #151, Page 61. 1990. (abs.)
39. \* Eyzaguirre M, Rub B, Janai H, Zaleska M, Stutman H, Marks M, Nussbaum E: Ribavirin treatment for bronchiolitis in infants. Presented Aspen Conference on the Newborn XXIV. Aspen, Colorado, March 1990. (abs.)
40. \* Rub B, Eyzaguirre M, Janai H, Zaleska M, Stutman H, Marks M, Nussbaum E: Paradoxical increase in specific pulmonary resistance in infants with respiratory syncytial virus (RSV) bronchiolitis treated with Albuterol. Chest 1990; 98:46(Supplement). (abs.)
41. \* Chin T and Nussbaum E: Effect of aerosolized hypotonic and isotonic sodium cromolyn in pediatric asthma. Chest 1990(Supplement); 98:84. (abs.)
42. \* Chin TW, Chavarria C, Nussbaum E: Use of aerosolized furosemide in pediatric asthma. Chest 1990(Supplement); 98:46. (abs.)
43. \* Eyzaguirre M, Rub B, Janai H, Zaleska M, Stutman H, Marks M, Nussbaum E: Ribavirin treatment for bronchiolitis in infants: a six month follows up with pulmonary functions. Chest 1990(Supplement); 98:46. (abs.)
44. \* Fisher DG, Davis AL, Maggi JC, Nussbaum E: Correlation of capillary blood gases (CBG) and arterial blood gases (ABG) in critically ill children. Chest 1990(Supplement); 98:80. (abs.)
45. Fisher D, Davis A, Maggi JC, Nussbaum E: Reliability of capillary blood gas (CBG) analysis in critically ill children: correlation with arterial blood gas (ABG). Critical Care Medicine. Submitted. (abs.)
46. \* Chin T, Nussbaum E: Use of nebulized Flunisolide in pediatric asthma. Am Rev Res Dis 1991; 143(#4, Part 2):A624. (abs.)
47. \* Chin T, Nussbaum E: Beneficial effect of aerosolized furosemide in pediatric asthma. Am Rev Resp Dis 1991; 143(#4, Part 2):A624. (abs.)
48. \* Chin T, Nussbaum E: Detrimental effect of aerosolized hypotonic sodium cromolyn in pediatric asthma. Am Rev Res Dis 1991; 143(#4, Part 2):A20. (abs.)
49. Viswanathan B, Chin TW, Nussbaum E: Effect of aminophylline on tumor necrosis factor production by peripheral blood monocytes. Pediatr Res 1991; 29(#4, Part 2):165A. (abs.)

**ABSTRACTS - PEER REVIEWED (Continued):**

50. \* Chin TW, Nussbaum E: Aerosolized furosemide improves pulmonary functions in certain pediatric patients with asthma. *Pediatr Res* 1991; 29(#4, Part 2):368A. (abs.)
51. \* Chin TW, Franchi L, Rub B, Eyzaguirre M, Nussbaum E: Addition of atropine to inhaled Albuterol in bronchopulmonary dysplasia. *Chest* 1991; 100(#2):175. (abs.)
52. \* Viswanathan B, Chin T, Nussbaum E: Effect of aminophylline on tumor necrosis factor (TNF) production. *Chest* 1991; 100(#2):145. (abs.)
53. \* Arguedas A, Stutman H, Knupp C, Zaleska M, Marks M, Nussbaum E: Cefepime (C) in cystic fibrosis (CF) pharmacokinetics (PK) and therapeutic response. *Pediatric Pulmonology* 1991;(Supplement 6):278. (abs.)
54. \* Arguedas A, Stutman H, Knupp C, Zaleska M, Marks M, Nussbaum E: Cefepime (C) in cystic fibrosis (CF) pharmacokinetics (PK) and therapeutic response. *American Society for Microbiology*. (abs.)
55. \* Franchi LM, Chin TW, Nussbaum E: Comparison of aerosolized Albuterol and Albuterol with furosemide in pediatric asthma. *Western Society for Pediatric Research. Clinical Research* 1992; 40(#1):110A. (abs.)
56. \* Roberto L, Chin TW, Nussbaum E: Use of IV aminophylline (Am) in hospitalized pediatric asthmatics prolongs hospital stay. 58th Annual International Scientific Assembly of the American College of Chest Physicians, Chicago, Illinois, October 28, 1992. *Chest* 1992 Supplement; 102(#2):92S. (abs.)
57. \* Franchi LM, Chin TW, Nussbaum E: Bronchodilator effect of aerosolized Albuterol and Albuterol with furosemide in pediatric asthma. 58th Annual International Scientific Assembly of the American College of Chest Physicians, Chicago, Illinois, October 28, 1992. *Chest* 1992 Supplement; 102(#2):91S. (abs.)
58. \* Franchi LM, Maggi JC, Nussbaum E: End-Tidal CO<sub>2</sub> in pediatric bronchoscopy. 7th World Congress for Bronchology and Bronchoesophagology, Mayo Medical Center, Rochester, Minnesota, September 28 - October 2, 1992. 7th World Congress for Bronchology and Bronchoesophagology Program 1992:136 (abs.)
59. \* Roberto L, Chin T, Nussbaum E: Cromolyn sodium decreased tumor necrosis factor (TNF) production *in vitro*. 1993 ALA/ATS International Conference Supplement; San Francisco, California, May 16-19, 1993. (abs.) *Am. Rev. Res. Dis* 1993;147:(#4):A64
60. \* Roberto L, Chin TW, Nussbaum E. Factors which prolong hospitalization in pediatric asthma. *Amer Rev Respir Dis* 1993;147:A (abs)

**ABSTRACTS - PEER REVIEWED (Continued):**

61. \* Chin T, Roberto L, Nussbaum E. Differences in hospitalization of minority children with asthma. Presented at the American College of Allergy, San Francisco, November 5-9, 1994. *Annals of Allergy*, January 1995:74
62. Roberto LY, Chin TW, DeSwarte J, Groncy PK, Nussbaum E: Early detection of central nervous involvement by abnormal pneumograms in sickle cell patients. *Pediatr Res* 1994; 35 :(#4 Part II):397A. (abs)
63. \* Maggi JC, Nussbaum E, Davis AL: Early CPR as predictor of outcome in pediatric near drowning. *Crit Care Med* 1994; 22(#1):A150. Presented at the Society of Critical Care 23rd Educational and Scientific Symposium, Orlando, Florida. January 31 - February 3, 1994. (abs)
64. \* Dutt A, Chin T, Randolph L, Nussbaum E, Maggi JC: Atypical Cystic Fibrosis in a Patient with compound heterozygosity with intermediate sweat chloride levels, pancreatic sufficiency and severe pulmonary disease. *Pediatr Pulm Supplement #10* 1994. Presented at the Physicians' Networking Grand Rounds, Eight North American Cystic Fibrosis Conference, Orlando, Florida, October 20, 1994.
65. Reda Z, Roberto L, Davis AL, Newton T, Maggi JC, Nussbaum E: High dose continuous nebulized Albuterol (CNA) in the treatment of pediatric asthmatic children. *Pediatr Res* 1994; 35(#4 Part II): 57A. (abs)
66. \* Yuengsrigul A, Chin T, Nussbaum E, DeSwarte J, Groncy P, Yoshpe N: Persistent sleep related respiratory disorder after adenotonsillectomy in sickle cell patients. *Am J Res Crit Care Med* 1995;151(#4):A153 (abs)
67. \* Yuengsrigul A, Chin T, Nussbaum E: Furosemide modulates cytokine production from human peripheral blood mononuclear cells. *Chest* 1995;108(3):97S (abs)
68. \* Yuengsrigul A, Chin T, Nussbaum E: Effect of Furosemide on interleukin 6 (IL-6) production from human peripheral blood mononuclear cells (PBM). *American J. Resp and Critical Care Med* 1996; 153:(#4, Part 2) A345. (abs)
69. \* Chin, T, Yuengsrigul A, Nussbaum E: Pseudomonas aeruginosa (PSA) antigen PA-1 stimulation of cytokine production in peripheral blood mononuclear cells is decreased in cystic fibrosis (CF). *American J. Resp and Critical Care Med* 1996; 153:(#4, Part 2). A777 (abs)
70. \* Groncy PK, TL Softley TL, Nussbaum E, Douglas WR, Mosley P: Evaluation of Sleep related respiratory disorder in children with sickle cell disease. *National Sickle Cell Disease Program*. March 6-9, 1996, Page 120 (abs)
71. Yuengsrigul A, Chin TW, Nussbaum E: Decreased cytokine production from human peripheral blood mononuclear cells by furosemide. *Pediatric Research* 1996;39:(#4, Part 2) 15A (abs)

**ABSTRACTS - PEER REVIEWED (Continued):**

72. Chin TW, Yuengsrigul A, **Nussbaum E**: Effect of anti-asthmatic medications on interleukin 6 (IL-6) production from stimulated human peripheral blood mononuclear cells. *Pediatric Research* 1996;39:(#4, Part 2) 10A (abs)
73. \* Yuengsrigul A, Chin TW, **Nussbaum E**: Inhibition of cytokine production from peripheral blood mononuclear cells (PBMC) with furosemide (FUR) is greater than nedocromil (NS) or cromolyn sodium and equivalent to hydrocortisone (HC). *Chest* 1996; 110(#4):157S (abs)
74. \* Yuengsrigul A, Chin TW, **Nussbaum E**: *Pseudomonas aeruginosa* (PSA) antigen PA-1 stimulation of cytokine production in peripheral blood mononuclear cells is decreased in cystic fibrosis (CF). *Chest* 1996; 110(#4):65S (abs)
75. \* Yuengsrigul A, Chin TW, **Nussbaum E**: Stimulation of Interleukin 8 Production from Human Airway Epithelial Cells by *Pseudomonas Aeruginosa* Antigen PA-I. *Chest* 1996; 110(#4):16S (abs)
76. \* Yuengsrigul A, Chin TW, **Nussbaum E**: Furosemide Modulates Cytokine Production from Human Airway Epithelial Cells. (abs) Presented at American College of Allergy, Asthma and Immunology Annual Meeting, Nov 11, 1996, Boston, Mass.
77. \* Yuengsrigul A, Chin TW, **Nussbaum E**: Different responses by human airway epithelial cell lines to PA-I in interleukin 8 production and cytotoxicity. *Am. J. Respir and Crit Care Med* 1997; 155(#4): A357 (abs)
78. \* Samransamruajkit R, Yuengsrigul A, Newton T, Chin TW, **Nussbaum E**: The effect of flutter VRP 1 as an adjunctive therapy for hospitalized asthmatic children. *Am. J. Respir and Crit Care Med* 1997; 155(#4): A671 (abs)
79. \* Samransamruajkit R, Gollapudi S, Kim CH, Gupta S, **Nussbaum E**: The modulation of endothelin-1 expression in pulmonary endothelial cell line (A549) after exposure to RSV. *Chest*, 1997, 112(#3):32S (abs)
80. \* Samransamruajkit R, Chin, T, **Nussbaum E**: The modulation of interleukin-6 (IL-6), interleukin-8 (IL-8) by glucocorticoids and ribavirin in bronchial epithelial cells after exposure to RSV. *Am J Resp Crit Care Med* 1998; 157(#3):A287 (abs)
81. \* Moser C; **Nussbaum E**; Bradley W; Cooper D: Peak Oxygen uptake and muscle mass estimated by magnetic resonance imaging in children with Cystic Fibrosis. *American J Res and Crit Care Med* 1999; 159 (#3):A683
82. \* Moser C; **Nussbaum E**; Cooper D: Circulating Il-1 $\beta$  IGF-I, and Fitness in Cystic Fibrosis. *Pediatric Research*, 1999; 45(#4):353A

\* Presented in National/International Meeting

**ABSTRACTS - PEER REVIEWED (Continued):**

83. \* Tirakitsoontorn P; Moser C; **Nussbaum E**; Collins V; Cooper D: Effect of Brief Exercise on Circulating Interleukin-6 in Cystic Fibrosis. *Pediatric Research* 2000; 47(4):483A
84. \* Tirakitsoontorn P; Moser C; **Nussbaum E**; Collins V; Cooper D: Effect of Brief Exercise on Circulating Cytokines and Insulin-Like Growth Factor-I (IGF-I) in Cystic Fibrosis. 2000 North American CF Conference; Baltimore, MD, November 9-12, 2000. *Peds Pulmonol* November 2000; Supplement 20:267
85. \* Moser C; Newton T; **Nussbaum E**: Evaluation of Airway Pressure by Manometry in Tracheostomized Children Using Passy Muir Valve. AARC (American Association for Respiratory Care) Symposia, October 7, *Respiratory Care* 2000; 45(8):992.
86. \* Tirakitsoontorn P; Moser C; **Nussbaum E**; Cooper D: \_Circulating Interleukin-6 (IL-6), tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ) insulin-like growth factor-I (IGF-I), IGF binding protein-3 (IGFBP-3) and fitness in cystic fibrosis (CF). (Abs) American Thoracic Society 2001, San Francisco, May 18-23, 2001. *Am J Respir Crit Care Med* 2001;163(#5,Part 2): A84
87. \* Tirakitsoontorn P, Nemet D, Moser C, **Nussbaum E**, Cooper D: Effect of Brief Exercise on Growth Hormone Secretion in Patients with Cystic Fibrosis. Federation of American Societies of Experimental Biology, Orlando, Florida, Spring, 2001. *FASEB J* 2001;15:A416
88. \* Tirakitsoontorn P, Nemet D, Moser C, **Nussbaum E**, Cooper DM: Effect of brief exercise on growth hormone secretion in patients with cystic fibrosis. SPR/APS Meeting *Pediatr Res* 2001;49:461A
89. Gelb AF, Schein A, Aharonian H, Zamel N, Newsom R, **Nussbaum E**: Unsuspected Loss of Lung Elastic Recoil in Asthma. *Am Thorac Society*, 2002.
90. \* Gelb AF, Schein A, Aharonian H, Newsom R, Shinar CM, **Nussbaum E**, Zamel N: Serial Lung Elastic Recoil in Chronic Asthmatics Age 16-42 yr. *Am J Res Crit Care Med* 2003;167:A144 (ATS 2003-Seattle)
91. \* Gelb AF, Schein A, Shinar, Aharonia H, **Nussbaum E**, Epstein JD, Newsom R, Aelony Y, Taylor CF, Zamel N: Risk Factors for Near-Fatal Asthma. *Am Thorac Society*, 2004. *Am J Respir Crit Care Med* 2004;169(7):A297
92. \* Gelb AF, Flynn-Taylor C, **Nussbaum E**, Schein A, Epstein JD, Shinar C, Gutierrez C, Zamel N. Airway and Alveolar Nitric Oxide in Asthma. *Am Thorac Society*, 2004. *Am J Respir Crit Care Med* 2004;169(7):A305
93. \* Chin, TW, Said, Y., **Nussbaum, E**: The Perplexity of Diagnosing CF: Two CFTR mutations do not constitute the diagnosis of Cystic Fibrosis. 21<sup>st</sup> Annual North American Cystic Fibrosis Conference, Anaheim, California, October 4, 2007.

**ABSTRACTS - PEER REVIEWED (continued):**

94. \* Yu, A, Chin, T, **Nussbaum, E**: Level of Cytokine Production is Associated with the Clinical Course of Cystic Fibrosis (CF) Patients. Presented at the Annual Meeting of the WSPR (Western Society for Pediatric Research) in Carmel, California, February 2, 2008. *Journal of Investigative Medicine* 56(1):241, 2008.
95. \* **Nussbaum, E**, Chin, T.W.: To Treat ABPA with Systemic Corticosteroids and Risk CF-related Diabetes Mellitus: A Dilemma with a Novel Solution. Presented at the 22<sup>nd</sup> Annual North American Cystic Fibrosis Conference, Orlando, FL, October 23, 2008.
96. \* Chin, TW, **Nussbaum, E**: In vitro Production of Interleukin-8 (IL-8) Correlates with Fall in Lung Function in Cystic Fibrosis (CF). *Am. J. Respir. Crit. Care Med.*, 2009;179: A1197. Presented Sunday, May 17, 2009 at the American Thoracic Society International Conference, San Diego, California.
97. \* Harrison, A.N., Castro, G., Dashesky, L., **Nussbaum E**: Use of Continuous Propofol Infusion as Sedation for Infant Pulmonary Function Testing. *Pediatric Pulmonology Supplement* 32:352 (abstract #401), 2009.
98. \* Keiles, S., Koepke, R., Parad, R., Kharrazi, M., California CF Newborn Screening Consortium: Impact of IVS8-(TG)M (T)N Haplotype on Immunoreactive trypsinogen (IRT) and Sweat Chloride (SC) Levels in a Cohort of Hypertrypsinogenemic (HT) Newborns with Genotype  $\Delta$ F508/5T Identified by the California (CA) (Cystic Fibrosis (CF) Newborn Screen (NBS). 23<sup>rd</sup> North American Cystic Fibrosis Conference, Minneapolis, Minnesota, October 14, 2009 - October 17, 2009. *Pediatric Pulmonology* 2009 (Supplement 32): 276.
99. Koepke, R., Kharrazi, M., Lessing, S., Bishop, T., Helmer, G., Kopita, K., Bhandal, A., Lorey, F.: California CF Newborn Screening Consortium: California Cystic Fibrosis Newborn Screening: Review of the First 2 Years. 23<sup>rd</sup> North American Cystic Fibrosis Conference, Minneapolis, Minnesota, October 14, 2009 - October 17, 2009. *Pediatric Pulmonology* 2009 (Supplement 32): 379.
100. Zirbes, J., Koepke, R., Kharrazi, M., Milla, C.: California CF Newborn Screening Consortium. Sweat Chloride (SC) Testing Performance and Concentration by Mutation Class Among Infants Identified by Cystic Fibrosis (CF) Newborn Screening (NBS) In California (CA). 23<sup>rd</sup> North American Cystic Fibrosis Conference, Minneapolis, Minnesota, October 14, 2009 - October 17, 2009. *Pediatric Pulmonology* 2009 (Supplement 32): 381.
101. Kharrazi, M., Koepke, R., Lessing, S., Bishop, T. Helmer, G., Bhandal, A., Lorey, F.: California CF Newborn Screening Consortium. Benefits of Using an Open-Ended Mutation Testing Platform During Cystic Fibrosis (CF) Newborn Screening (NBS): The California (CA) Experience. 23<sup>rd</sup> North American Cystic Fibrosis Conference, Minneapolis, Minnesota, October 14, 2009 - October 17, 2009. *Pediatric Pulmonology* 2009 (Supplement 32): 373.
102. \* Abosaida, A., Radom-Aizik, S., Leu, S.Y., **Nussbaum, E**, Cooper, D., Schwindt, C.: Vigorous Exercise - Can Cause Abnormal Pulmonary Function in Healthy Children. 2010 ATS International Conference in New Orleans, Louisiana. May 18, 2010. *Am J Respir Crit Care Med* 181; 2010:A5320.

\* Presented in National/International Meeting

**EDITOR OF THE FOLLOWING PEER REVIEWED BOOKS:**

1. Pediatric Respiratory Disorders - Clinical Approaches, **Nussbaum E**, Editor-in-Chief; Galant SP, Associate Editor. Grune and Stratton, Academic Press Inc., San Diego, California. November 1983.
2. Pediatric Intensive Care, **Nussbaum E**, Editor-in-Chief, Futura Publishing Company, Inc., New York, January 1984
3. Pediatric Intensive Care (2nd Edition), **Nussbaum E**, Editor-in-Chief. Futura Publishing Company, Inc., New York, 1989.

**EDITOR OF THE FOLLOWING PEER REVIEWED BOOK CHAPTERS:**

1. **Nussbaum E**: "Respiratory failure in children" in Nussbaum and Galant's Pediatric Respiratory Disorders. Pages 173-185, Grune and Stratton, Academic Press, San Diego, California. 1983.
2. **Nussbaum E**: "Drowning and near-drowning in children with main emphasis on cerebral-cardiopulmonary resuscitation" in Nussbaum's Pediatric Intensive Care. Pages 25-34, Futura Publishing Company, Inc., New York, 1984.
3. **Nussbaum E**: "Reye's syndrome" in Nussbaum's Pediatric Intensive Care. Pages A. 1-A.6, Futura Publishing Company, Inc., New York, 1984.
4. **Nussbaum E**: Changing trends in cerebral and cardio-pulmonary resuscitation in nearly-drowned children. Nussbaum's Pediatric Intensive Care. 2nd Ed. Pages 15 - 23. Futura Publishing Company, Inc., New York, 1989.
5. **Nussbaum E**: Respiratory failure. In Nussbaum's Pediatric Intensive Care. 2nd Ed. Pages 339 - 343. Futura Publishing Company, Inc., New York, 1989.
6. **Nussbaum E**: Flexible fiberoptic laryngoscopy and bronchoscopy in infants and children. In Nussbaum's Pediatric Intensive Care. 2nd Ed. Pages 525-535. Futura Publishing Company, Inc., New York, 1989.
7. Chin TW, **Nussbaum E**, Marks MI: Bacterial pneumonia. Pediatric respiratory disease: diagnosis & treatment. Bettina Hilman (Ed). WB Saunders Publishing Company, Philadelphia, PA, 1993; Chapter 32:271-281.

**ARTICLES IN NON-PEER-REVIEWED JOURNALS, MOVIES, TAPED PRESENTATIONS:**

1. **Nussbaum E**: Childhood asthma. Audio-Digest. Pediatrics. Volume 26, Number 13, July 15, 1980.
2. **Nussbaum E**: "Cerebral resuscitation in near drowning" Pediatric pulmonary and intensive care symposium, April 9, 1981. Miller Children's Hospital, Long Beach, California.
3. **Nussbaum E**: "When to extubate in epiglottitis" Emergency Medicine, Page 80. September 15, 1983.
4. **Nussbaum E**: Flexible fiberoptic bronchoscopy and laryngoscopy. Editions Hippocrates Paris 1983; 93:8.
5. **Nussbaum E**: Audiovisual (movie) Flexible fiberoptic laryngoscopy and bronchoscopy in infants and children. 1985.



**ARTICLES IN NON-PEER-REVIEWED JOURNALS, MOVIES, TAPED PRESENTATIONS (continued):**

6. **Nussbaum E**: Tape. Director of the 1981 Pediatric Pulmonary Symposium, Speaking on "Functional cardiopulmonary abnormalities of childhood and adolescent scoliosis" and "Near-drowning in children", Miller Children's Hospital, Medical Center of Long Beach, and the Department of Pediatrics, University of California at Irvine. April 9, 1981.
7. **Nussbaum E**: Tape. Acute lung injury in pediatric critical care. InfoMedix. February 14, 1986.
8. **Nussbaum E**: Tape. Asthma therapy - American Academy of Allergy and Immunology 69B-263-86.
9. **Nussbaum E**: Tape. Cerebral resuscitation. M204-1A, InfoMedix. 1982.
10. **Nussbaum E**: Tape. Near drowning. Ampex/T60/189, University of California, Irvine, June 17, 1987.
11. **Nussbaum E**: Tape. Respiratory emergencies, Part I and II. Ampex/T120/189, University of California, Irvine, June 2, 1987.
12. Fisher DG, **Nussbaum E**: Critical Care Self-Assessment Program X. Pediatric Exam. 1989

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS:**

1. Insulin Requiring Hyperglycemia in Cystic Fibrosis. CF Club Abstracts, Atlanta, Georgia, May 1, 1979. (SPR).
2. Cerebral Perfusion Pressure Predicts Survival in the Near-drowned, Severely Comatose Child. Western Society for Pediatric Research, Village Theater, Carmel, California, February 9, 1983, 2nd Plenary Session.
3. The Importance of Intracranial Pressure Monitoring in the Near-drowning Child. Presented at the Western Society for Pediatric Research, February 18, 1982 in Carmel, California at the Annual Meeting of the Western Society for Pediatric Research.
4. Chronic Complications of Diabetes in Cystic Fibrosis Patients. Perspectives in Cystic Fibrosis proceedings of the Eighth International Congress on Cystic Fibrosis. Page 31a. Presented in the International Congress, Toronto, Canada, May, 1980.
5. Director of the 1980 Pediatric Pulmonary Symposium, Speaking on "Functional Cardiopulmonary Abnormalities of Childhood and Adolescent Scoliosis" and "Near-drowning in Children." Miller Children's Hospital Medical Center of Long Beach and the Department of Pediatrics University of California at Irvine 5-7, 1980.
6. Director of the 1981 Pediatric Pulmonary and Intensive Care Symposium, speaking on "Cerebral Resuscitation in Near-drowning." April 9, 1981, Miller Children's Hospital Medical Center of Long Beach and the University of California at Irvine.
7. Pentobarbital Therapy Does Not Improve Neurological Outcome in Nearly-drowned, Flaccid Children. Poster presentation. The Society for Pediatric Research. Washington, DC. May 6, 1985 Poster Session I. Exhibit Hall B Washington Sheraton Hotel.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

8. Acute Lung Injury in Pediatric Critical Care. Pediatric Intensive Care Symposium. February 14, 1986, Sheraton Newport, California.
9. Asthma, Status Asthmaticus and Respiratory Failure - Modern Concepts. Presented to the Chaim Sheba Medical Center and the Tel Aviv University School of Medicine, Israel. September 23, 1980. (visiting professor)
10. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Beilinson Medical Center and Tel Aviv University Medical School, Israel, August 28, 1983. (visiting professor)
11. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Beilinson Medical Center and Tel Aviv University Medical School, Israel, August 28, 1983. (visiting professor)
12. Advanced Cerebral Resuscitation. Beilinson Medical Center and Tel Aviv University Medical School, Israel, August 31, 1983. (visiting professor)
13. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Shiba Medical Center, Tel Aviv University Medical School, Israel, September 1, 1983. (visiting professor)
14. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Shiba Medical Center, Tel Aviv University Medical School, Israel, September 1, 1983. (visiting professor)
15. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Hadassah University, Mount Scopus, Jerusalem, Israel, September 5, 1983. (visiting professor)
16. Advanced Cerebral Resuscitation. Hadassah University, Mount Scopus, Jerusalem, Israel, September 5, 1983. (visiting professor)
17. Cystic Fibrosis and Pregnancy. Beilinson Medical Center. Sackler Medical School, Tel Aviv University. Israel, October 16, 1988. (visiting professor)
18. Mechanisms in Cystic Fibrosis. Beilinson Medical Center, Sackler Medical School, Tel Aviv University, Israel, October 16, 1988. (visiting professor)
19. Therapy in Cystic Fibrosis. Beilinson Medical Center, Sackler School of Medicine, Tel Aviv University, Israel, October 16, 1988. (visiting professor)
20. New Concepts in Bronchial Asthma. Beilinson Medical Center, Sackler School of Medicine, Tel Aviv University. Israel, October 19, 1988. (visiting professor)
21. Therapeutic Approaches to Bronchial Asthma. Beilinson Medical Center, Sackler School of Medicine, Tel Aviv University, Israel, October 19, 1988. (visiting professor)
22. Acute Lung Injury in Children. Pediatric Intensive Care Congress. Porto Alegre, Brazil. July 6, 1989.
23. Status Asthmaticus and Respiratory Failure. Pediatric Intensive Care Congress. Porto Alegre, Brazil. July 7, 1989.
24. New Concepts in Cerebral Resuscitation. Pediatric Intensive Care Congress. Porto Alegre, Brazil. July 7, 1989.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

25. Flexible Fiberoptic Bronchoscopy in Infants and Children. Pediatric Intensive Care Congress. Porto Alegre, Brazil. July 7, 1989.
26. Pentobarbital Therapy Does Not Improve Neurological Outcome in Nearly-drowned, Flaccid-comatose Children. Presented at the Society of Critical Care Medicine Annual Symposium, 5/27/87, Anaheim, California. Crit Care Med 15(4):418, 1987.
27. Placebo Controlled Evaluation of Ribavirin Effect on Airway Resistance in Infants with RSV-Induced Lower Respiratory Tract Infection. Presented 9th International Symposium on Future Trends in Chemotherapy. Geneva, March 1990. (by fellow)
28. Ribavirin Treatment for Bronchiolitis in Infants a Six Month Follow Up with Pulmonary Functions. Presented at the 56th Annual Scientific Assembly of the American College of Chest Physicians, October 25, 1990, Toronto, Canada.
29. Paradoxical Increase in Specific Pulmonary Resistance in Infants with Respiratory Syncytial Virus. Presented at the 56th Annual Scientific Assembly of the American College of Chest Physicians, October 25, 1990, Toronto, Canada.
30. Use of Aerosolized Furosemide in Pediatric Asthma. Presented at the 56th Annual Scientific Assembly of the American College of Chest Physicians, October 25, 1990, Toronto, Canada.
31. Correlation of Capillary Blood Gases (CBG) and Arterial Blood Gases (ABG) in Critically Ill Children. Presented at the 56th Annual Scientific Assembly of the American College of Chest Physicians, October 23, 1990, Toronto, Canada.
32. Effect of Aerosolized Hypotonic and Isotonic Sodium Cromolyn in Pediatric Asthma. Presented at the 56th Annual Scientific Assembly of the American College of Chest Physicians, October 23, 1990, Toronto, Canada.
33. Aerosolized Furosemide Improves Pulmonary Functions in Certain Pediatric Patients with Asthma. Presented at The 1991 APS-SPR Conference. New Orleans, LA. May 2, 1991.
34. Detrimental Effect of Aerosolized Hypotonic Sodium Cromolyn in Pediatric Asthma. Presented at the ATS International Conference. Anaheim, California. May 12, 1991.
35. Beneficial Effect of Aerosolized Furosemide in Pediatric Asthma. Presented at The ATS International Conference. Anaheim, California. May 15, 1991.
36. Use of Nebulized Flunisolide in Pediatric Asthma. Presented at the ATS International Conference. Anaheim, California. May 12, 1991.
37. Cefepime in Cystic Fibrosis: Pharmacokinetics and Therapeutic Response. Presented at the 17th International Congress of Chemotherapy. Berlin, Germany. June 23-28, 1991. (by fellow)
38. Acute Lung Injury. Presented at the 57th Annual Scientific Assembly of the American College of Chest Physicians in San Francisco, California. November 7, 1991.
39. Paradoxical Increase in Specific Pulmonary Resistance in Infants with Respiratory Syncytial Virus (RSV) Bronchiolitis Treated with Albuterol. Presented at the Aspen Conference on the Newborn XXIV. Aspen, Colorado. March 1990. (by fellow)

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

40. Ribavirin Treatment for Bronchiolitis in Infants. Presented at the Aspen Conference on the Newborn XXIV. Aspen, Colorado. March 1990. (by fellow)
41. Addition of Atropine to Inhaled Albuterol in Bronchopulmonary Dysplasia. Presented at the 57th Annual Scientific Assembly of the American College of Chest Physicians. San Francisco, California. November 6, 1991. (by fellow)
42. Effect of Aminophylline on Tumor Necrosis Factor (TNF) Production. Presented at the 57th Annual Scientific Assembly of the American College of Chest Physicians. San Francisco, California. November 6, 1991.
43. Use of IV aminophylline (Am) in hospitalized pediatric asthmatics prolongs hospital stay. 58th Annual Scientific Assembly of the American College of Chest Physicians. Chicago, Illinois. October 28, 1992. (by fellow)
44. Bronchodilator effect of aerosolized Albuterol and Albuterol with furosemide in pediatric asthma. 58th Annual Scientific Assembly of the American College of Chest Physicians. Chicago, Illinois. October 28, 1992. (by fellow)
45. End-Tidal CO<sub>2</sub> in pediatric bronchoscopy. 7th World Congress for Bronchology and Bronchoesophagology. Rochester, Minnesota. September 28 - October 2, 1992. (by fellow)
46. Inflammatory therapy of bronchial asthma. Children's Hospital, Columbus, Ohio. September 18, 1992. (visiting professor)
47. Atypical Cystic Fibrosis in a Patient with compound heterozygosity with intermediate sweat chloride levels, pancreatic sufficiency and severe pulmonary disease. Presented at the Physicians' Networking Grand Rounds, Eight North American Cystic Fibrosis Conference, Orlando, Florida, October 20, 1994.
48. Sleep related respiratory disorder after adenotonsillectomy in sickle cell patients. American Thoracic Society. Presented May 21, 1995. 1995 American Thoracic Society International Conference, Seattle, Washington. Am J Res Crit Care Med 1995;151(#4):A153
49. Furosemide Modulates Cytokine production from human peripheral blood mononuclear cells. Slide presentation 61st Annual International Scientific Assembly of the American College of Chest Physicians. October 30, 1995
50. Stimulation of Interleukin Production from Human Airway Epithelial Cells by Pseudomonas Aeruginosa Antigen PA-I - Presented at 62nd Annual International Scientific Assembly of the American College of Chest Physicians in San Francisco, California. October 28, 1996 (by fellow)
51. Inhibition of Cytokine Production from Peripheral Blood Mononuclear Cells (PBMC) with Furosemide (FUR) is greater than Nedocromil (NS) or Cromolyn sodium (CS) and equivalent to Hydrocortisone (HC) - Presented at the XVIII World Congress on Diseases of the Chest, the 62nd Annual International Scientific Assembly of the American College of Chest Physicians in San Francisco, October 29, 1996 (by fellow)
52. Pseudomonas aeruginosa (PSA) antigen PA-1 stimulation of cytokine production in peripheral blood mononuclear cells is decreased in cystic fibrosis (CF). Presented October 30, 1996 62nd Annual International Scientific Assembly of the American College of Chest Physicians, San Francisco, California. (by fellow)

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

53. Furosemide Modulates Cytokine Production from Human Airway Epithelial Cells. (abs) Accepted for presentation at American College of Allergy, Asthma and Immunology Annual Meeting, Nov 11, 1996, Boston, Mass. (by fellow)
54. The Cardiopulmonary Abnormalities in Childhood and Adolescent Scoliosis. Rainbow Babies and Children's Hospital Case Western Reserve University, Cleveland, Ohio, May 11, 1979.
55. Insulin Requiring Hyperglycemia in Cystic Fibrosis. Rainbow Babies and Children's Science Day at Case Western Reserve University, June 8, 1979.
56. Bronchial Asthma, Status Asthmaticus and Respiratory Failure -- Modern Concepts with Approach to Diagnosis and Treatment. Kaiser Permanente Hospital, Los Angeles, California, October 24, 1979. (visiting professor)
57. A series of pediatric pulmonary grand rounds involving different topics (cystic fibrosis, near-drowning and drowning in children, increased intracranial pressure in children, etc.) Presented as part of the teaching program at Miller Children's Hospital Medical Center of Long Beach and the University of California at Irvine.
58. Complications of Bronchial Asthma -- Modern Concepts. May 4, 1980, State University of New York, Maimonides Medical Center, New York, New York. (visiting professor)
59. Co-Director "Asthma Update" symposium at Miller Children's Hospital Medical Center of Long Beach and the University of California, Irvine, April 1-3, 1982.
60. Intracranial Pressure Monitoring. Presented at Miller Children's Hospital Medical Center, Long Beach and the University of California, Irvine, August 6, 1979.
61. Upper Airway Obstruction. Presented at Millers Children's Hospital Medical Center, Long Beach and the University of California, Irvine, September 7, 1979.
62. Cystic Fibrosis. Presented at Miller Children's Hospital Medical Center, Long Beach and the University of California, Irvine, September 7, 1979.
63. Bronchial Asthma in Children. Presented at the Family Practice Grand Rounds at Miller Children's Hospital Medical Center, Long Beach, California, October 15, 1979.
64. New Concepts in Cystic Fibrosis. Presented to the Long Beach, California Chapter of the Cystic Fibrosis Foundation, March 27, 1980, at the Holiday Inn.
65. Cor Pulmonale in Children. Presented at Grand Rounds at Miller Children's Hospital Medical Center and the University of California Irvine, April 25, 1980.
66. Drowning. Presented at the Huntington Intercommunity Hospital, Huntington Beach, California, July 17, 1980.
67. Modern Concepts of Bronchial Asthma. Presented at Memorial Hospital Medical Center, Long Beach, California, January 28, 1981.
68. Drowning. Presented at Whittier Hospital, Whittier, California, November 5, 1980.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

69. Thinking on Cystic Fibrosis. Presented at the Annual Meeting of the Long Beach Chapter of the Cystic Fibrosis Foundation, February 19, 1981.
70. The Approach to the Child with Persistent Cough and Recurrent Pulmonary Infiltrates. Presented to the Hillsborough County Pediatric Society, Tampa, Florida. October 1, 1981. (visiting professor)
71. Cor Pulmonale in Children. Presented at the University of South Florida. October 2, 1981. (visiting professor)
72. Near-Drowning in Children. Presented at St. Joseph Hospital, Tampa, Florida, October 3, 1981. (visiting professor)
73. Bronchial Asthma in Children - Modern Concepts. Presented at St. Joseph Hospital, Tampa, Florida. October 3, 1981. (visiting professor)
74. Drowning and Near-Drowning in Children. Presented at Long Beach Community Hospital, Long Beach, California, November 4, 1981.
75. Persistent Cough and Recurrent Pulmonary Infiltrates in Children. Presented at Little Company of Mary Hospital, Torrance, California.
76. Therapy of Bronchial Asthma. Presented at the American Lung Association Symposium on Asthma held at Miller Children's Hospital, Long Beach, California. November 6-7, 1981.
77. The Approach to the Child with Recurrent Pulmonary Infiltrates and Persistent Cough. Presented at Grand Rounds at Miller Children's Hospital Medical Center and the University of California, Irvine, December 4, 1981.
78. The Approach to the child with Persistent Infiltrates and Recurrent Cough. Presented to Family Practice Department Grand Rounds, Miller Children's Hospital Medical Center, Long Beach, California, January 11, 1982.
79. Cerebral Resuscitation. Presented at Woodruff Gables Hospital in Long Beach, California, January 26, 1982.
80. Shock Lung in Children. Miller Children's Hospital Medical Center and the University of California, Irvine, May 11, 1982.
81. Intracranial Pressure Measurement in comatose children. Miller Children's Hospital Medical Center and the University of California, Irvine, May 28, 1982.
82. Cerebral Resuscitation. Presented at the Seventh Annual Conference Clinical Application of Hyperbaric Oxygen, Disneyland Hotel, June 9, 1982.
83. The State of the Art in Bronchial Asthma, Status Asthmaticus and Respiratory Failure. Fountain Valley Hospital, June 28, 1982. (visiting professor)
84. Cor Pulmonale in Children. Grand Rounds at Miller Children's Hospital Medical Center and the University of California, Irvine, July 2, 1982.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

85. Acute Epiglottitis and Upper Airway Obstruction in Children. Miller Children's Hospital Medical Center and the University of California, Irvine, July 13, 1982.
86. Status Asthmaticus and Respiratory Failure in Children. Miller Children's Hospital Medical Center and the University of California, Irvine, July 27, 1982.
87. Cerebral Resuscitation and Management of Upper Airway Obstruction in Children. Fountain Valley Hospital, August 25, 1982.
88. Ventilatory Support in the Pediatric Age Group, Miller Children's Hospital Medical Center and the University of California, Irvine, September 3, 1982.
89. Ventilatory Support in the Pediatric Age Group. Miller Children's Hospital Medical Center and the University of California, Irvine, September 28, 1982.
90. Advances in Bronchial Asthma -- The Pulmonologist Approach. Grand Rounds, Miller Children's Hospital Medical Center of Long Beach and the Department of Pediatrics, University of California, Irvine, November 12, 1982.
91. Cystic Fibrosis - Update. Miller Children's Hospital Medical Center of Long Beach and the Department of Pediatrics, University of California, Irvine, December 3, 1982.
92. The State of the Art in Bronchial Asthma. Torrance Memorial Hospital Medical Center, Torrance, California, March 30, 1983.
93. Adult Type Respiratory Distress Syndrome in Children. Memorial Hospital Medical Center, April 12, 1983.
94. Acute epiglottitis, Miller Children's Hospital Medical Center, Long Beach and University of California, Irvine, July 6, 1983.
95. Advances in Neuroresuscitation. Department of Pediatrics, University of California, Irvine, November 14, 1983:
96. Pediatric Flexible Bronchoscopy. Lecture to nurses, Memorial Hospital of Long Beach, November 30, 1983.
97. Apnea and Sudden Infant Death Syndrome. Grand Rounds at Miller Children's Hospital of Long Beach, December 16, 1983.
98. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates". University of California, Irvine, Grand Rounds, January 4, 1984.
99. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates". California Chapter 2. American Academy of Pediatrics, March 19, 1984.
100. The State of the Art in Bronchial Asthma. Doctors Hospital of Lakewood, California, March 19, 1984.
101. Pleural Effusion in Children. Miller Children's Hospital Medical Center, July 10, 1984.
102. Near Drowning. Torrance Memorial Hospital, July 17, 1984.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

103. Advances in Childhood Bronchial Asthma. Downey Community Hospital, August 17, 1984.
104. Advances in the Diagnosis of Obstructed Airway Disease in Children. Torrance Memorial Hospital, August 21, 1984.
105. Up-to-date Brain Resuscitation. Downey Community Hospital, September 21, 1984.
106. Apnea and Near Miss Sudden Infant Death Syndrome. Pioneer Hospital, November 28, 1984.
107. Advances in Bronchial Asthma in Children. California Chapter 2, American Academy of Pediatric and the Los Angeles Pediatric Society, January 7, 1985.
108. Apnea -- Sudden Infant Death Syndrome. Naval Hospital of Long Beach, California, January 16, 1985.
109. The Approach to Sudden Infant Death Syndrome. Emergency Department Memorial Hospital of Long Beach, California, February 5, 1985.
110. Cystic Fibrosis. Miller Children's Hospital of Long Beach, California March 12, 1985.
111. Asthma Up-to-Date. Emergency Room Physicians. Memorial Hospital Medical Center of Long Beach, California, March 13, 1985.
112. Cardiopulmonary Resuscitation. Westminster Hospital, California, March 13, 1985.
113. Apnea and SIDS. Humana, Huntington Beach, California, April 16, 1985
114. CPR. Downey Community Hospital, California, April 19, 1985.
115. Cystic Fibrosis. Miller Children's Hospital of Long Beach, California September 27, 1985.
116. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Pulmonary Grand Rounds Miller Children's Hospital Medical Center of Long Beach, California, September 4, 1985.
117. Apnea and Sudden Infant Death Syndrome. San Pedro Peninsula Hospital, California, September 12, 1985.
118. Advances in the Diagnosis and Therapy of Upper Airway Obstruction. Beverly Hospital, Montebello, California, September 10, 1985.
119. Apnea and Sudden Infant Death Syndrome. Miller Children's Hospital Medical Center, Long Beach, California, October 2, 1985.
120. Pediatric Full Arrest. Beverly Hospital, Montebello, California, October 8, 1985.
121. Initial Pediatric Trauma Management. Humana Hospital, Westminster, California, October 9, 1985.
122. Bronchial Asthma. Charter Suburban Hospital, Paramount, California, November 6, 1985.



**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

123. Cystic Fibrosis, What's New? Pulmonary Grand Rounds, Miller Children's Hospital Medical Center, December 18, 1985.
124. Pulmonary Function Testing in Children. Pioneer Hospital, Artesia, California, January 22, 1986.
125. Hemodynamic Monitoring in Pediatric (post trauma) Children. Downey Community Hospital, Downey, California, April 18, 1986.
126. Apnea and SIDS. Doctors Hospital of Lakewood, Lakewood, California, April 21, 1986.
127. Upper Airway Obstruction in Children. Memorial Medical Center of Long Beach, Nurses course, May 7, 1986.
128. Near Drowning in Children. Doctor's Hospital of Lakewood, Lakewood, California, May 19, 1986.
129. Asthma -- Increasing Mortality. Navy Hospital of Long Beach, Long Beach, California, May 21, 1986.
130. Review of Near Drowning Management, Torrance Memorial Hospital, Torrance, California, May 27, 1986.
131. Hemodynamic Monitoring. Pioneer Hospital, Artesia, California, May 28, 1986.
132. Aminophylline Therapy Guidelines for Asthma and Apnea in Children. Memorial Medical Center Pediatric Pharmacology Workshop, June 11, 1986.
133. Acid-base Balance. Torrance Memorial Hospital, Torrance, California, June 24, 1986.
134. Bronchoscopy in Children. Downey Community Hospital, Downey, California, June 20, 1986.
135. Near Drowning in Children. Pioneer Hospital, Artesia, California, June 25, 1986.
136. Near Drowning in Children -- New Approach and Changing Old Concepts. Charter Suburban Hospital, Paramount, California, July 2, 1986
137. Hemodynamic Monitoring in Children. Medical Center of La Mirada, July 3, 1986.
138. New Approaches to Near Drowning in Children. Beverly Hospital, Montebello, California, July 8, 1986.
139. Hemodynamic Monitoring in Critically Ill -- Post Traumatic Children Pioneer Hospital, Artesia, California, July 23, 1986.
140. What's New in Bronchial Asthma. Grand Rounds, Miller Children's Hospital of Long Beach, University of California, Irvine. August 22, 1986.
141. Mortality in Bronchial Asthma in Children, Norwalk Community Hospital, Norwalk, California, September 16, 1986.
142. Mortality in Childhood Asthma. Downey Community Hospital, Downey, California, September 19, 1986.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

143. Interpreting Pediatric Function Testing in Children. Charter Suburban Hospital, Paramount, California, October 1, 1986.
144. The Growing Child with Bronchopulmonary Dysplasia (BPD). Humana Hospital, Huntington Beach, California, October 7, 1986.
145. New Approaches to Pediatric Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Children. UCLA-Harbor, California, October 7, 1986.
146. Bronchopulmonary Dysplasia in Children. Humana Hospital, Huntington Beach, California, October 7, 1986.
147. Association of Lipid-laden Alveolar Macrophages and Gastro-esophageal Reflux in Children. Part of grand rounds at Miller Children's Hospital, directed by Dr. Melvin Marks and entitled: Clinical Research Relevant to Pediatrics. Miller Children's Hospital, Long Beach, California, November 7, 1986.
148. Advances in Pediatric Bronchoscopy. Pulmonary grand rounds. Memorial Medical Center of Long Beach, California, November 19, 1986.
149. Bronchopulmonary Dysplasia. Torrance Memorial Hospital, California, November 25, 1987.
150. Head Trauma in Children. Beverly Hospital, Montebello, California, January 13, 1987.
151. Pediatric Bronchoscopy. Beverly Hospital, Montebello, California, March 10, 1987.
152. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Humana Hospital, Westminster, California, March 11, 1987.
153. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. San Pedro Peninsula Hospital, San Pedro, California, March 12, 1987.
154. Moderator for Research Grand Rounds. Miller Children's Hospital, Long Beach, California, University of California, Irvine, March 13, 1987.
155. Flexible Fiberoptic Laryngoscopy and Bronchoscopy in Infants and Children. Los Alamitos Hospital, Los Alamitos, California, March 19, 1987.
156. The Growing Child with Bronchopulmonary Dysplasia. Pioneer Hospital, Artesia, California, March 25, 1987.
157. The Growing Child with Bronchopulmonary Dysplasia. Doctors of Lakewood Hospital, Lakewood, California, March 26, 1987.
158. Apnea and SIDS. Humana Hospital, Westminster, California, April 8, 1987.
159. Bronchopulmonary Dysplasia. Navy Hospital, Long Beach, California, April 15, 1987.
160. New Concepts of Pediatric Near Drowning. Beverly Hospital, Montebello, California, June 9, 1987.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

161. Pediatric Respiratory Emergencies. UCIMC Pediatric Intensive Care Course, University of California, Irvine, June 12, 1987.
162. New Concepts in Pediatric Near Drowning. UCIMC Pediatric Intensive Care Course, University of California, Irvine, June 17, 1987.
163. Current Therapy of Near Drowning. Pioneer Hospital, Artesia, California June 24, 1987.
164. Pediatric Near Drowning. Downey Community Hospital, Downey, California, July 17, 1987.
165. Pediatric Shock. Norwalk Community Hospital, Norwalk, California, July 21, 1987.
166. New Approach to Pediatric Near Drowning. Doctors of Lakewood Hospital, Lakewood, California, July 23, 1987.
167. State of the Art: Pediatric Flexible Fiberoptic Bronchoscopy. Grand Rounds, Miller Children's Hospital, Long Beach, California, University of California, Irvine, July 24, 1987.
168. Pediatric Full Arrest Skills Lab. Downey Community Hospital, Downey, California, September 18, 1987.
169. Pediatric CPR. Pioneer Hospital, Artesia, California, September 23, 1987.
170. Pediatric Full Arrest. Beverly Hospital, Montebello, California, October 13, 1987.
171. Acute Lung Injury in Children. Kaiser, Bellflower, California, November 2, 1987.
172. ICU Management of Asthma. University of Southern California, November 6, 1987.
173. Management of Shock States. Beverly Hospital, Montebello, California, November 10, 1987.
174. Pleural Effusions in Children. Pediatric Pulmonary Conference. Miller Children's Hospital, Long Beach, California, University of California, Irvine, November 4, 1987.
175. Stabilization and Transport of the Critically Ill Child. Fountain Valley Hospital, California, January 7, 1988.
176. Oxygen Therapy and Oxygen Toxicity in Children. Pediatric Pulmonary Conference. Miller Children's Hospital, University of California, Irvine, February 3, 1988.
177. Shock in Children. Downey Community Hospital, Downey, California, February 19, 1988.
178. Management of Shock State in Infants and Children. Doctors Hospital of Lakewood, California, March 24, 1988.
179. Review of Chest Films. Memorial Medical Center of Long Beach. April 13, 1988.
180. Near Drowning Management: Update 1988. Downey Community Hospital, Downey, California, April 4, 1988.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

181. New Advances in Childhood Asthma. Pediatric Pulmonary Grand Rounds. Memorial Miller Children's Hospital. Long Beach, California, April 6, 1988.
182. Status Asthmaticus and Respiratory Failure in Children. Noon conference for residents and students. University of California, Irvine, California, April 23, 1988.
183. Near Drowning Management: Update 1988. Pioneer Hospital. Artesia, California, April 25, 1988.
184. Ornithin Transcarbamylase Deficiency Presenting with Respiratory Alkadosis, Stridor with Respiratory Failure. Pediatric Pulmonary Monthly Conference. Miller Children's Hospital and University of California, Irvine, June 1, 1988.
185. Pulmonary Function Testing in Children. Pediatric Pulmonary seminar. Memorial Miller Children's Hospital, Long Beach, California, June 15, 1988.
186. Basics in Pediatric Bronchial Asthma. Memorial Miller Children's Hospital. Long Beach, California, July 6, 1988.
187. New Concepts in Bronchial Asthma. UCLA - Harbor. Pediatric Grand Rounds. July 7, 1988. (visiting professor)
188. New Concepts in Cystic Fibrosis (CF). Noon Pediatric Pulmonary Conference at Miller Children's Hospital - University of California, Irvine, October 3, 1988.
189. Pregnancy in the Patient with Cystic Fibrosis. In conference on "Diagnosis and Management of Respiratory Diseases in the Pregnant patient" organized by Memorial Woman's Hospital and University of California, Irvine, October 7, 1988.
190. The State of the Art in Cystic Fibrosis. UCLA - Medical Center. Grand Rounds, November 18, 1988.
191. Bronchoscopy in Infants and Children. Harbor - UCLA, December 20, 1988, (visiting professor)
192. ARDS in Infants and Children. Pulmonary Conference at Miller Children's Hospital.
193. Cystic Fibrosis 1989. Grand Rounds at Miller Children's Hospital and University of California, Irvine, April 14, 1989.
194. Near Drowning and New Trends in Brain Resuscitation. Beverly Hospital, Montebello, California, May 23, 1989.
195. Cystic Fibrosis Today. Meeting of Los Angeles-Orange County Cystic Fibrosis Foundation Chapter, June 29, 1989.
196. New Concept of Bronchial Asthma in 1989. Rancho Los Amigos Hospital, Rancho Los Amigos, California, July 27, 1989.
197. Cystic Fibrosis in 1989. Monthly Pediatric Pulmonology Conference at Miller Children's Hospital of Long Beach and University of California, Irvine, August 2, 1989.
198. The State of the Art in Bronchial Asthma. Grand Rounds at University of California, Irvine, September 6, 1989.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

199. New Concepts in Bronchial Asthma. Epithelial damage and mediators release. Harbor UCLA-Grand Rounds, September 28, 1989.
200. Bronchopulmonary Dysplasia (BPD) -Recent Advances. Pediatric Pulmonary Monthly Conference. Long Beach Miller Children's Hospital, University of California, Irvine, October 4, 1989.
201. Overview of Respiratory Disorders. Beverly Hospital, Montebello, California, October 24, 1989.
202. Asthma Update. Torrance Memorial Pulmonary Physicians. November 9, 1989.
203. Update on Cystic Fibrosis. New material since October 1989. Pediatric Pulmonary monthly conference. Long Beach Miller Children's Hospital, University of California, Irvine, December 6, 1989.
204. Overview of Respiratory Disorders. Doctor's Hospital of Lakewood, California, January 28, 1990.
205. Flexible Bronchoscopy in the Practice of Allergy. Pediatric-Adult Allergy Conference. University of California, Irvine, February 14, 1990.
206. New Horizons in Bronchial Asthma. San Diego Allergy Society. San Diego, California, February 28, 1990.
207. Priorities in Pediatric emergencies. Charter Suburban Hospital, California, May 1, 1990.
208. Evolutions in the Treatment of Airway Diseases. Long Beach Community Hospital, Long Beach, California, June 26, 1990.
209. New Horizons in Bronchial Asthma. Industry Hills, City of Industry, July 25, 1990.
210. New Concepts in Bronchial Asthma. Pediatric Grand Rounds. Memorial Miller Children's Hospital. University of California, Irvine, August 24, 1990.
211. Recent Advances in Bronchial Asthma. Good Samaritan Regional Medical Center, Phoenix, Arizona, September 7, 1990. (visiting professor)
212. New Concepts in Bronchial Asthma. Phoenix Veterans Administration Medical Center. Phoenix, Arizona, September 7, 1990. (visiting professor)
213. Cystic Fibrosis. Pediatric Grand Rounds, UCLA, October 5, 1990.
214. Overview of Pediatric Respiratory Disorders. Doctors Hospital of Lakewood, California, January 8, 1991.
215. Cystic Fibrosis 1991: New Breakthroughs. Pediatric Grand Rounds. Miller Children's Hospital, University of California, Irvine, February 1, 1991.
216. SIDS and Apnea. Navy Hospital, Long Beach, California, February 27, 1991.
217. Evolutions in Bronchial Asthma - 1991. Grand Rounds. University of Southern California, Los Angeles, California, April 9, 1991.
218. Asthma and Allergy. Los Alamitos Hospital, Los Alamitos, California, June 11, 1991.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

219. Evolutions in the Treatment of Airway Diseases. Pacifica Hospital, Sun Valley, California, September 13, 1991. (visiting professor)
220. Pediatric Asthma 1991. Pediatric Grand Rounds. Memorial Miller Children's Hospital & University of California, Irvine, September 20, 1991.
221. State of the Art -- Treatment of Bronchial Asthma. Kaiser West Los Angeles Medical Center, Los Angeles, California, October 28, 1991. (visiting professor)
222. Recent Therapeutic Advances in the Care of Pediatric Asthma 1991. Kaiser Harbor City Medical Center, Harbor City, California, November 20, 1991.
223. Pediatric Asthma. Charter Suburban Hospital, Paramount, California, December 3, 1991.
224. Bronchial Asthma - State of the Art. American Israeli Medical Society, Los Angeles, California, December 16, 1991.
225. Acute Lung Injury in Children. Pediatric Grand Rounds. Memorial Miller Children's Hospital & University of California, Irvine, California, January 24, 1992.
226. Workshop/Orientation Lecture on Pediatric Bronchoscopy. Memorial Miller Children's Hospital, Long Beach, California, July 23, 1992.
227. Inflammatory Therapy of Bronchial Asthma. Hocking County Medical Society, Columbus, Ohio, September 17, 1992.
228. Inflammatory Mechanisms in Pediatric Asthma and Therapeutic Choices. Columbus Children's Hospital, Ohio, September 18, 1992. (visiting professor)
229. Inhaled Corticosteroids in Bronchial Asthma in Children. San Diego Medical Center, Kaiser Foundation Hospital, November 17, 1993. (visiting professor)
230. Grand Rounds. Clinical Pathological Conference. Memorial Miller Children's Hospital, University of California, Irvine. September 23, 1994.
231. Future of Managed Care. Presented to the American Israeli Medical Society, Los Angeles, California. November 2, 1994.
232. Reactive Airway Disease. Pediatric Research Conference. Presented at the University of Texas M.D. Anderson Cancer Center, Houston, Texas. November 14, 1994 (visiting professor).
233. Update on Cystic Fibrosis. Cystic Fibrosis Foundation annual dinner, Anaheim, California. February 26, 1995.
234. Grand Rounds. Asthma for the Pediatrician. Miller Memorial Children's Hospital, Long Beach, California. University of California, Irvine. August 25, 1995.
235. Grand Rounds. Asthma. Miller Memorial Children's Hospital, Long Beach, California. University of California, Irvine. June 7, 1996.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

236. Pediatric Asthma. Pacifica Hospital of the Valley. October 11, 1996. (Visiting Professor)
237. Grand Rounds. Cystic Fibrosis - State of the Art. Miller Memorial Children's Hospital, Long Beach, California. University of California, Irvine. October 18, 1996.
238. Grand Rounds. The Child With Chronic Cough and Pulmonary Infiltrates. Miller Memorial Children's Hospital. University of California, Irvine. February 7, 1997.
239. Cystic Fibrosis Foundation, Western Region meeting. What's New in CF. 1997 CF Volunteer Recognition Banquet. February 23, 1997.
240. The Approach to the Child with Chronic Cough and Pulmonary Infiltrates. Pediatric Grand Rounds. Loma Linda University. May 9, 1997.
241. Cystic Fibrosis in Children. Orange Coast Memorial Hospital (through UCI Speakers Bureau) September 18, 1997 (Visiting Professor)
242. Reactive airways. Los Angeles Metropolitan Medical Center (through UCI Speakers Bureau) September 25, 1997 (Visiting Professor)
243. Progress in Cystic Fibrosis. University of California Irvine (UCI-MC) November 12, 1997 (Visiting Professor)
244. Update on Cystic Fibrosis. Family Education Day. Memorial Miller Children's Hospital. November 15, 1997
245. Apnea and SIDS. Presbyterian Intercommunity Hospital (through UCI Speakers Bureau) November 21, 1997 (Visiting Professor)
246. Progress in Cystic Fibrosis. Grand Rounds. Memorial Miller Children's Hospital. University of California, Irvine. December 5, 1997
247. Progress in Cystic Fibrosis, Cystic Fibrosis in our community. King-Drew Medical Center. Grand Rounds. January 20, 1998 (Visiting Professor)
248. Management of Chronic Asthma in the Pediatric Patient. Corona Regional Medical Center, Corona, California. (through UCI Speakers Bureau) February 25, 1998 (Visiting Professor)
249. Controversies in Pneumonia and Empyema. Grand Rounds. Miller Memorial Children's Hospital, University of California, Irvine. April 3, 1998
250. Upper Respiratory Infections in Pediatric Patients. Downey Community Hospital. April 3, 1998 (Visiting Professor) (Through UCI Speaker's Bureau)
251. Apnea. Lecture to Family Practice Department Long Beach Memorial Medical Center. May 11, 1998
252. Approach to the Diagnosis and Management of Persistent Cough. Grand Rounds. US Family Care, Rialto, California. July 2, 1998 (Visiting Professor) (Through UCI Speaker's Bureau)
253. New Approaches to Asthma. Grand Rounds. Miller Children's at Long Beach Memorial Medical Center, University of California, Irvine, California (UCI). July 17, 1998

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

254. Shock and Respiratory Failure. Pediatric Advanced Life Support (PALS) Program. Miller Children's at Long Beach Memorial Medical Center. November 13, 1998
255. Advances in Bronchial Asthma in Children. Presbyterian Intercommunity Hospital, Whittier, California. Grand Rounds (Visiting Professor). February 8, 1999 (Through UCI Speaker's Bureau).
256. Children with Chronic Cough and Pulmonary Infiltrates. Grand Rounds. Miller Children's at Long Beach Memorial Medical Center. University of California, Irvine, California (UCI). February 19, 1999.
257. New Concepts in Bronchial Asthma. Centinela Hospital Medical Center. March 19, 1999. (Visiting Professor through UCI Speaker's Network).
258. SIDS. White Memorial Medical Center. March 25, 1999. (Visiting Professor through UCI Speaker's Network).
259. Physiology Course on Cystic Fibrosis. University of California, Irvine (UCI) College of Medicine. April 16, 1999.
260. New Concepts in Bronchial Asthma. University of California Medical Center (UCI-MC). Grand Rounds. May 5, 1999 .
261. Upper Airway Obstruction in Infants and Children. Citrus Valley Medical Center; Queen of the Valley. Grand Rounds. (Visiting Professor) through Medical Education Speakers Network. September 27, 1999
262. Asthma in Children Update. Community and Mission Hospital (Visiting Professor) through Medical Education Speakers Network. September 20, 1999.
263. The Approach to the Child with Chronic Cough and Persistent Pulmonary Infiltrates. Grand Rounds. University of California, Irvine (UCI) College of Medicine. November 3, 1999.
264. Physiology Small Group Discussion Sessions for First Year Med Students at UCI, June, 1999
265. PALS (pediatric Advance Life Support) lecture: Respiratory Failure and Shock. March 9, 2000. Miller Children's Hospital, Long Beach, CA
266. New Therapies for Pediatric Asthma. Presbyterian Inter-Community Hospital, Whittier, CA. Grand Rounds, April 10, 2000 (Visiting Professor) through the Medical Education Speakers Network.
267. Approach to the Child with Chronic Cough and Pulmonary Infiltrates. Grand Rounds. Downey Regional Medical Center, CA (Visiting Professor) through the Medical Education Speakers Network. April 14, 2000.
268. Asthma. Riverside Community Hospital. Grand Rounds. (Visiting Professor) through the Medical Education Speakers Network. March 5, 2000.
269. PALS (Pediatric Advanced Life Support) lecture to University of California, Irvine, residents and students. Miller Children's Hospital; Integration: Case studies in respiratory failure and shock. June 19, 2000.
270. Asthma. Beverly Hospital, Montebello, CA. Grand Rounds. (Visiting Professor) through the Medical Education Speakers Network. October 12, 2000
271. Exciting Cutting Edge Developments in Pediatric Asthma. Grand Rounds. Long Beach Memorial Medical Center/University of California, Irvine. October 27, 2000.



**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

272. Progress in Treating Cystic Fibrosis. Torrance Memorial Medical Center. (Visiting Professor) through the Medical Education Speakers Network. November 8, 2000
273. Asthma in Children. San Gabriel Valley Medical Center. (Visiting Professor) through the Medical Education Speakers Network. November 9, 2000.
274. Progress in Cystic Fibrosis. UCLA/Harbor. Grand Rounds (Visiting Professor) February 2, 2001.
275. State of the Art in Cystic Fibrosis. Martin Luther King/Drew Medical School. Grand Rounds (Visiting Professor) February 6, 2001
276. State of the Art in Cystic Fibrosis. University of California, Irvine-Medical Center. Grand Rounds. February 7, 2001.
277. Pediatric Advance Life Support Update. Lecture and Workshop for instructors. LBMMC/Miller Children's Hospital, February 7, 2001.
278. Acute Lung Injury and Acute Respiratory Distress Syndrome. Granada Hills Community Hospital. (Visiting Professor). through Medical Education Speakers Network. February 8, 2001.
279. Case Studies in Management of Pediatric Asthma. AstraZeneca. Long Beach, CA. March 8, 2001.
280. Pediatric Pulmonary Center at Miller Children's Hospital. "Building Bridges Together-Transition of Special Health Care from Childhood to Adulthood". The Pasadena Center, California, May 10, 2001 via University of Southern California (USC).
281. State of the Art in Cystic Fibrosis. Loma Linda University Grand Rounds (Visiting Professor) July 20, 2001.
282. Pediatric Asthma. Doctor's Hospital Medical Center of Montclair (Visiting Professor) via Medical Education Speakers Network, July 26, 2001.
283. Respiratory Case Study Program. Sponsored by Astra Zeneca. Long Beach, CA, October 11, 2001.
284. Pediatric Asthma - Grand Rounds. Torrance Memorial Medical Center. (Visiting Professor). Through UCI Speakers Network. October 17, 2001.
285. Annual CF Data Report to Executive Board, CF Foundation. Burbank, California. December 4, 2001.
286. Case Studies in the Management of Children with Asthma. Pico Rivera, California. December 5, 2001. Sponsored by Astra Zeneca.
287. The Approach to the Child with Chronic Cough and Chronic Pulmonary Infiltrates. Miller Children's Hospital, University of California, Irvine. Grand Rounds. December 7, 2001.
288. Achieving Goals in Pediatric Asthma Therapy. Long Beach, California. January 23, 2002.
289. Respiratory Care of Pediatric Patients. Garden Grove Hospital, Garden Grove, California. (Visiting Professor). Through Medical Education Speakers Network. June 11, 2002. (Visiting Professor)

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

290. Asthma - State of the Art. Grand Rounds. Miller Children's Hospital. University of California, Irvine. Sept 13, 2002.
291. Differential Diagnosis of Chronic Cough and Pulmonary Infiltrates in Children. Grand Rounds. Miller Children's Hospital. University of California, Irvine, Dec 6, 2002.
292. Update in CF - Review of 2002 North American CF Conference. CF Executive Board and MCH Staff. Miller Children's Hospital. Nov 12, 2002
293. Respiratory Disorders in Children -RSV. Garden Grove Hospital, CA. Grand Rounds (Visiting Professor) (Speakers Network). Feb 4, 2003
294. PALS - Pediatric Advanced Life Support - Science Update. Miller Children's Hospital, Long Beach, CA. May 15, 2003
295. Rapid Cardiopulmonary Assessment- Recognition of Respiratory failure and Shock. Instructor PALS Course at Miller Children's Hospital August 20, 2003 (2001 American Heart Association).
296. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Grand Rounds. Miller Children's Hospital and University of California, Irvine College of Medicine. September 12, 2003.
297. PALS - Pediatric Advanced Life Support - Science Update - PALS instructor lecture - Miller Children's Hospital. November 12, 2003.
298. Asthma-Treating the Small Airways equals Big Results. Physician Education Program. Harriman Jones Medical Group - January 16, 2004.
299. Pediatric Advance Life Support (PALS) - Science Update - American Heart Association - Miller Children's Hospital, Long Beach, CA; February 11, 2004 (PALS Instructor Lecture)
300. Pediatric Asthma - Update - Grand Rounds. Miller Children's Hospital, University of California, Irvine, February 20, 2004
301. Current Thoughts on Asthma Treatment - April 15, 2004, Long Beach, CA CME lecture
302. Small Airways: The New Frontier, Torrance, CA, June 3, 2004 CME lecture
303. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates: Wolfson Medical Center, Holon, Israel, August 5, 2004. (Visiting Professor)
304. Small Airways I Pediatric Asthma. South Gate via IVAX, September 9, 2004
305. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Miller Children's Hospital Grand Rounds. University of California, Irvine, College of Medicine, September 10, 2004
306. Application of High Technology to the Investigative Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Chaim Sheeba Medical Center. Tel-Hashomer, Tel Aviv University Medical School, Israel. Grand Rounds. December 27, 2004. (Visiting Professor)
307. Cystic Fibrosis - State of the Art. Martin Luther King/Drew Medical Center - School of Medicine. January 25, 2005. (Visiting Professor)

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

308. Pediatric Asthma. LBMMC Family Medicine Program. February 7, 2005. (Visiting Professor)
309. PALS (Pediatric Advanced Life Support) Science Update - (Instructor's Lecture) February 8, 2005.
310. Practical approach to Pediatric Asthma. Grand Rounds. Miller Children's Hospital. University of California, Irvine College of Medicine. March 4, 2005.
311. Treating small airways: The New Frontier. Speaker for IVAX at Pico Rivera, CA. March 15, 2005.
312. Upper airway obstruction in children. Pediatric resident's conference at Miller Children's Hospital. University of California, Irvine. March 17, 2005
313. Pediatric Asthma - Update. Long Beach Pediatricians at Skyroom Long Beach, CA. April 20, 2005. Sponsored by Astra-Zeneca.
314. Cystic Fibrosis - State of the art. Grand Rounds. Miller Children's Hospital. University of California, Irvine College of Medicine. May 6, 2005.
315. Conflict Resolution between traditional Pediatric Practice and Hi-Tech in the modern era of managed care. Grand Rounds. Miller Children's Hospital. University of California, Irvine College of Medicine. July 15, 2005.
316. New Insights in the treatment of Small Airway Disease. Pediatricians. Pico Rivera, California. Sponsored by IVAX. September 29, 2005.
317. Rapid Cardiopulmonary Assessment - Recognition of respiratory failure and shock. PALS (Pediatric Advanced Life Support American Heart Association) **Instructor**. Miller Children's Hospital. Long Beach, California. October 19, 2005.
318. Inhaled Corticosteroid (ICS) Delivery in young children. Long Beach Pediatricians via Astra Zeneca. Long Beach, California. November 15, 2005.
319. Cystic Fibrosis Update - Pediatric Grand Rounds. Miller Children's Hospital. University of California, Irvine School of Medicine. January 20, 2006.
320. Pediatric Advanced Life Support (PALS) - Science Update (**Instructor**) (American Heart Association). Miller Children's Hospital. Long Beach, California. February 20, 2006.
321. Cystic Fibrosis Update - Sheeba Medical Center, Tel Aviv University Medical School, Israel. (Visiting Professor) March 7, 2006.
322. New Insights in the treatment of Small Airway Disease with Inhaled Corticosteroid. Molina Medical Group. Pediatricians. Long Beach, California. March 29, 2006.
323. Asthma - State of the Art. Kadlec Medical Center. Richland, Washington. January 11, 2007.
324. Diagnosis and management of Pediatric asthma with nebulized inhalation suspension. Fountain Valley Regional Hospital (Medical Education Speakers Network; Visiting Professor) March 1, 2007.
325. Pediatric Asthma - State of the Art. Miller Children's Hospital. Grand Rounds, University of California, Irvine College of Medicine. March 16, 2007.

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

326. Chin, TW, Said, Y., **Nussbaum, E.** The Perplexity of Diagnosing CF: Two CFTR mutations do not constitute the diagnosis of Cystic Fibrosis. 21<sup>st</sup> Annual North American Cystic Fibrosis Conference, Anaheim, California, October 4, 2007.
327. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates. Pediatric Grand Rounds. Miller Children's Hospital and the University of California, Irvine College of Medicine. October 12, 2007.
328. Pediatric Advanced Life Support (PALS) (Instructor) "Management of Respiratory Emergencies." Miller Children's Hospital. February 6, 2008.
329. Cystic Fibrosis Update - Presentation to the Executive Board of the CFF - Western Region. Orange County, California. February 19, 2008.
330. Pediatric Advanced Life Support (PALS) (Instructor) Recertification Course - Cardiac, Shock and Respiratory. Four case presentations per each category and a follow up test. Miller Children's Hospital. April 16, 2008.
331. Scoring Pneumograms. Respiratory department staff and Pulmonary Division. Miller Children's Hospital. May 29, 2008.
332. Pediatric Advanced Life Support (PALS) (Instructor) Recertification Course - Cardiac, Shock and Respiratory case presentations. Miller Children's Hospital. June 19, 2008.
333. To Treat ABPA with Systemic Corticosteroids and Risk CF-related Diabetes Mellitus: A Dilemma with a Novel Solution. Presented at the 22<sup>nd</sup> Annual North American Cystic Fibrosis Conference, Orlando, FL, October 23, 2008.
334. Asmanex - A New Inhaled Corticosteroid - Telesymposia by MedLearning, Inc., December 11, 2008.
335. Asthma update - Tri-City Medical Center, Oceanside, CA, March 3, 2009 (Visiting Professor) (Medical Education Speakers Network).
336. PALS (Pediatric Advanced Life Support) (Instructor) Cardiac decompensation, shock and respiratory failure. Miller Children's Hospital, Long Beach, CA, March 10, 2009.
337. Asthma update - Miller Children's Hospital and the University of California Irvine (UCI) - Pediatric Grand Rounds, March 27, 2009.
338. Pediatric Advanced Life Support (PALS) (Instructor) Cardio-Pulmonary Case Presentations. Miller Children's Hospital, Long Beach, California, May 6, 2009.
339. Not all that Wheezes is Bronchial Asthma - Sheeba Medical Center - Children's Hospital, Tel Aviv University, Sackler School of Medicine, Israel. July 29, 2009 (visiting professor).
340. Chronic cough and recurrent Pulmonary Infiltrates in Children Presentations of Complex Cases - Wolfson Medical Center, Department of Pediatrics. Tel Aviv University, Sackler School of Medicine, Israel. July 30, 2009 (visiting professor).
341. Chronic cough -How to Evaluate, When to Order Tests, When to Try Empiric Treatment? Children's Hospital of Orange County, (CHOC) Pediatric Grand Rounds, (Medical Education Speakers Network). September 9, 2009 (visiting professor).

**NATIONAL/INTERNATIONAL TALKS, PRESENTATIONS AND VISITING PROFESSORSHIPS (continued):**

342. Pulmonary Infiltrates and Chronic Cough are not always pneumonia. Pediatric Grand Rounds, Miller Children's Hospital, University of California Irvine, School of Medicine. September 11, 2009
343. Once Daily Asmanex for Maintenance Treatment of Asthma in Children 4 -11 Year of Age. Atlanta, Georgia., September 17, 2009. (visiting professor).
344. Clinical Pathological Conference (CPC). Pulmonary - Hemosiderosis. Miller Children's Hospital, University of California Irvine, School of Medicine. November 19, 2009.
345. Clinical Pathological Conference (CPC). Pulmonary - Coccidioidomycosis. Miller Children's Hospital, University of California Irvine, School of Medicine. February 5, 2010.
346. Clinical Pathological Conference (CPC). Pulmonary - Hypertension and a brain abscess. Miller Children's Hospital, University of California Irvine, School of Medicine. March 10, 2010.
347. Differential Diagnosis of Pulmonary Infiltrates and Chronic Cough In Children, Miller Children's Hospital, University of California Irvine, School of Medicine. April 14, 2010.
348. PALS (Pediatric Advanced Life Support) - Instructor. Management of Respiratory Emergencies. Miller Children's Hospital, University of California Irvine, School of Medicine. April 28, 2010.
349. Clinical Pathological Conference (CPC). H1N1 - Aspergillosis. Grand Rounds, Miller Children's Hospital, University of California, Irvine School of Medicine. April 30, 2010.
350. Pediatric Asthma- Miller Children's Hospital, University of California, Irvine, School of Medicine June 4, 2010.

### **MAJOR AREAS OF CURRENT RESEARCH:**

In Pediatric Pulmonary Physiology:

1. The influence of various pharmacological agents on reactive airways reversibility in young asthmatics.  
This includes, but is not limited to:
  - a) study of inflammatory mediators
  - b) exhaled nitric oxide (eNO')
  - c) spirometric-mechanical variables in the pediatric lung
2. Monoclonal Ab therapy in ABPA of CF patients.

### **LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS:**

#### **July 1979 - June 1980**

1. New Trends in Cystic Fibrosis.
2. Cor Pulmonale in Children.
3. State of the Art in Bronchial Asthma.
4. New Approaches to Treatment of Near-Drowning in Children.
5. Pediatric Flexible Fiberoptic Bronchoscopy.
6. The Use of Ventilators in Children.

#### **July 1980 - June 1981**

1. Upper Airway Obstruction in Children.
2. Foreign Bodies in Children.
3. Cerebral Resuscitation in Nearly-Drowned Comatose Children.
4. New Trends in Cystic Fibrosis.
5. Cor Pulmonale in Children.
6. State of the Art in Bronchial Asthma.
7. New Approaches to Treatment of Near-Drowning in Children.
8. Pediatric Flexible Fiberoptic Bronchoscopy.
9. The Use of Ventilators in Children.

#### **July 1981 - June 1982**

1. Upper Airway Obstruction in Children. Foreign Bodies in Children.
2. Cerebral Resuscitation in Nearly-Drowned Comatose Children.
3. New Trends in Cystic Fibrosis.
4. Cor Pulmonale in Children.
5. State of the Art in Bronchial Asthma.
6. New Approaches to Treatment of Near-Drowning in Children.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

7. Pediatric Flexible Fiberoptic Bronchoscopy
8. The Use of Ventilators in Children.

**July 1982 - June 1983**

1. Apnea and Sudden Infant Death Syndrome.
2. Recent Advances in Bronchial Asthma.
3. Hemodynamic Monitoring in Children.
4. Cerebral Dynamics.
5. Pulmonary Function Testings in Children and Infants.
6. Smoke Inhalation in Children.
7. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
8. Acid-Base Balance and Interpretation of Arterial Blood Gases.
9. Acute Epiglottitis.
10. Unusual Presentations of Cystic Fibrosis.
11. Nutritional Support to Cystic Fibrosis Patients.
12. Pleural Effusions in Children.
13. Bronchopulmonary Dysplasia.
14. Adult Respiratory Distress in Children.
15. Pulmonary Collagen Vascular Disease.
16. Pneumothorax in Children.
17. Pneumonia in Children.
18. Allergic Bronchopulmonary Aspergillosis.
19. New Trends in Cystic Fibrosis.
20. Advances in Bronchial Asthma.

**July 1983 - June 1984**

1. Apnea and Sudden Infant Death Syndrome.
2. Recent Advances in Bronchial Asthma.
3. Hemodynamic Monitoring in Children.
4. Cerebral Dynamics.
5. Pulmonary Function Testings in Children and Infants.
6. Smoke Inhalation in Children.
7. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
8. Acid-Base Balance and Interpretation of Arterial Blood Gases.
9. Acute Epiglottitis.
10. Unusual Presentations of Cystic Fibrosis.
11. Nutritional Support to Cystic Fibrosis Patients.
12. Pleural Effusion in Children.
13. Bronchopulmonary Dysplasia.
14. Adult Respiratory Distress in Children.
15. Pulmonary Collagen Vascular Disease.
16. Pneumonia in Children.
17. Allergic Bronchopulmonary Aspergillosis.
18. New Trends in Cystic Fibrosis
19. Advances in Bronchial Asthma
20. Pneumothorax in Children.

## **LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

### **July 1984 - June 1985**

1. Upper Airway Obstruction in Children.
2. Foreign Bodies in Children.
3. Cerebral Resuscitation in Nearly-Drowned Comatose Children.
4. New Trends in Cystic Fibrosis.
5. Cor Pulmonale in Children.
6. State of the Art in Bronchial Asthma.
7. New Approaches to Treatment of Near-Drowning in Children.
8. Pediatric Flexible Fiberoptic Bronchoscopy.
9. The Use of Ventilators in Children.
10. Apnea and Sudden Infant Death Syndrome.
11. Recent Advances in Bronchial Asthma.
12. Hemodynamic Monitoring in Children.
13. Cerebral Dynamics.
14. Pulmonary Function Testings in Children and Infants.
15. Smoke Inhalation in Children.
16. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
17. Acid-Base Balance and Interpretation of Arterial Blood Gases.
18. Acute Epiglottitis.
19. Unusual Presentations of Cystic Fibrosis.
20. Nutritional Support to Cystic Fibrosis Patients.
21. Pleural Effusions in Children.
22. Bronchopulmonary Dysplasia.
23. Adult Respiratory Distress in Children.
24. Pulmonary Collagen Vascular Disease.
25. Pneumothorax in Children.
26. Pneumonia in Children.
27. Allergic Bronchopulmonary Aspergillosis.
28. Advances in Bronchial Asthma.

### **July 1985 - June 1986**

1. Upper Airway Obstruction in Children.
2. Foreign Bodies in Children.
3. Cerebral Resuscitation in Nearly-Drowned Comatose Children.
4. New Trends in Cystic Fibrosis.
5. Cor Pulmonale in Children.
6. State of the Art in Bronchial Asthma.
7. New Approaches to Treatment of Near-Drowning in Children.
8. Pediatric Flexible Fiberoptic Bronchoscopy.
9. The Use of Ventilators in Children.
10. Apnea and Sudden Infant Death Syndrome.
11. Recent Advances in Bronchial Asthma.
12. Hemodynamic Monitoring in Children.
13. Cerebral Dynamics.
14. Pulmonary Function Testing in Children and Infants.
15. Smoke Inhalation in Children.
16. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
17. Acid-Base Balance and Interpretation of Arterial Blood Gases.



**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

18. Acute Epiglottitis.
19. Unusual Presentations of Cystic Fibrosis.
20. Nutritional Support to Cystic Fibrosis Patients.
21. Pleural Effusions in Children.
22. Bronchopulmonary Dysplasia.
23. Adult Respiratory Distress in Children.
24. Pulmonary Collagen Vascular Disease.
25. Pneumothorax in Children.
26. Pneumonia in Children.
27. Allergic Bronchopulmonary Aspergillosis.
28. Advances in Bronchial Asthma.

**July 1986 - July 1987**

1. Upper Airway Obstruction in Children.
2. Foreign Bodies in Children.
3. Cerebral Resuscitation in Nearly-Drowned Comatose Children.
4. New Trends in Cystic Fibrosis.
5. Cor Pulmonale in Children.
6. State of the Art in Bronchial Asthma.
7. New Approaches to Treatment of Near-Drowning in Children.
8. Pediatric Flexible Fiberoptic Bronchoscopy.
9. The Use of Ventilators in Children.
10. Apnea and Sudden Infant Death Syndrome.
11. Recent Advances in Bronchial Asthma.
12. Hemodynamic Monitoring in Children.
13. Cerebral Dynamics.
14. Pulmonary Function Testings in Children and Infants.
15. Smoke Inhalation in Children.
16. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
17. Acid-Base Balance and Interpretation of Arterial Blood Gases.
18. Acute Epiglottitis.
19. Unusual Presentations of Cystic Fibrosis.
20. Nutritional Support to Cystic Fibrosis Patients.
21. Pleural Effusions in Children.
22. Bronchopulmonary Dysplasia.
23. Adult Respiratory Distress in Children.
24. Pulmonary Collagen Vascular Disease.
25. Pneumothorax in Children.
26. Pneumonia in Children.
27. Allergic Bronchopulmonary Aspergillosis.
28. Advances in Bronchial Asthma.

**July 1984 - June 1985**

1. Basic Course in Pulmonary Function Testings for Infants & Children.
2. Exercise Testing in Children.
3. Three Lecture Series on Advances in Bronchial Asthma.
4. Five Lecture Series on Cystic Fibrosis.
5. Interpretation of Arterial Blood Gases & Acid-Base Balance.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

6. Bronchopulmonary Dysplasia.
7. Cor Pulmonale.
8. Apnea and Sudden Infant Death Syndrome.
9. Interpretations of Multichannel Pneumogram Studies.
10. Approach to Pediatric Flexible Fiberoptic Laryngoscopy & Bronchoscopy.
11. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
12. Late Asthmatic Response.
13. Pulmonary Oxygen Toxicity.
14. Cerebral Resuscitation: What Does it Mean?
15. Allergic Bronchopulmonary Aspergillosis.
16. Pleural Effusions in Children.
17. Pulmonary Hemosiderosis.
18. Respiratory Failure in Children.
19. Unusual Pulmonary Infiltrates in Children.
20. Pulmonary Collagen Vascular Disease.
21. Gastroesophageal Reflux in Children.
22. Upper Airway Obstruction in Children.
23. Oxygen Transport.
24. Pneumonia in Children.
25. Hemodynamic Monitoring.

**July 1985 - June 1986**

1. Basic Course in Pulmonary Function Testings for Infants & Children.
2. Exercise Testing in Children.
3. Three Lecture Series on Advances in Bronchial Asthma.
4. Five Lecture Series on Cystic Fibrosis.
5. Interpretation of Arterial Blood Gases & Acid-Base Balance.
6. Bronchopulmonary Dysplasia.
7. Cor Pulmonale.
8. Apnea and Sudden Infant Death Syndrome.
9. Interpretations of Multichannel Pneumogram Studies.
10. Approach to Pediatric Flexible Fiberoptic Laryngoscopy & Bronchoscopy.
11. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
12. Late Asthmatic Response.
13. Pulmonary Oxygen Toxicity.
14. Cerebral Resuscitation: What Does it Mean?
15. Allergic Bronchopulmonary Aspergillosis.
16. Pleural Effusions in Children.
17. Pulmonary Hemosiderosis.
18. Respiratory Failure in Children.
19. Unusual Pulmonary Infiltrates in Children.
20. Pulmonary Collagen Vascular Disease.
21. Gastro-Esophageal Reflux in Children.
22. Upper Airway Obstruction in Children.
23. Oxygen Transport.
24. Pneumonia in Children.
25. Hemodynamic Monitoring.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**  
**July 1986 - March 1988**

1. Basic Course in Pulmonary Function Testings for Infants & Children.
2. Exercise Testing in Children.
3. Three Lecture Series on Advances in Bronchial Asthma.
4. Five Lecture Series on Cystic Fibrosis.
5. Interpretation of Arterial Blood Gases & Acid-Base Balance.
6. Bronchopulmonary Dysplasia.
7. Cor Pulmonale.
8. Apnea and Sudden Infant Death Syndrome.
9. Interpretations of Multichannel Pneumogram Studies.
10. Approach to Pediatric Flexible Fiberoptic Laryngoscopy & Bronchoscopy.
11. Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates.
12. Late Asthmatic Response.
13. Pulmonary Oxygen Toxicity.
14. Cerebral Resuscitation: What Does it Mean?
15. Allergic Bronchopulmonary Aspergillosis.
16. Pleural Effusions in Children.
17. Pulmonary Hemosiderosis.
18. Respiratory Failure in Children.
19. Unusual Pulmonary Infiltrates in Children.
20. Pulmonary Collagen Vascular Disease.
21. Gastro-Esophageal Reflux in Children.
22. Upper Airway Obstruction in Children.
23. Oxygen Transport.
24. Pneumonia in Children.
25. Hemodynamic Monitoring.

**March 1988 - August 1988**

1. Advances in bronchial asthma.
2. Progress in cerebral resuscitation.
3. Ornithin Transcarbamylase deficiency and the respiratory system.
4. State of the art in cystic fibrosis.
5. Pulmonary function testing in children.
6. Bronchopulmonary Dysplasia.
7. Acute lung injury.
8. Acquired immune deficiency (AIDS) in children.
9. RSV infection, bronchiolitis and ribavirin therapy in infants.
10. SIDS and apnea - bradycardia syndrome.
11. Late asthmatic response.
12. Respiratory failure.
13. Bronchoscopy in children.
14. Upper airway obstruction.

**August 1988 - March 1989**

1. Morning educational intake rounds with house staff.
2. Sleep physiology.
3. Cystic fibrosis and pregnancy.
4. Epithelial cell damage in bronchial asthma.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

5. New mechanisms in cystic fibrosis.
6. Therapy in cystic fibrosis.
7. New concepts in asthma.
8. How to present a research paper at national meetings or conference. Including summarizing a year's work in 10 minutes. Effective use of visual aids. Public speaking skills.
9. ARDS in children.
10. Bronchoscopy in infants and children.
11. AIDS in children.
12. Pleural effusions.
13. Pulmonary function testing in children.

**March 1989 - December 1991**

1. Morning educational intake rounds with medical students and residents.
2. Lung diseases in children.
3. New concepts in cerebral resuscitation.
4. Cystic fibrosis - state of the art.
5. New concepts in bronchial asthma.
6. Pediatric bronchoscopy - ten years experience.
7. Acute lung injury.
8. Alveolar-capillary barrier development and lung injury.
9. BPD-Update.
10. Epithelial damage and mediator release in bronchial asthma.
11. After gene discovery in cystic fibrosis.
12. Asthma is an inflammatory disease.
13. Pulmonary function tests.
14. CF update.
15. Gene Transfer in Cystic Fibrosis.
16. New Approaches to Treating Cystic Fibrosis.

**December 1991 - November 1992**

1. Interstitial lung diseases in children.
2. New concepts in cerebral resuscitation.
3. Cystic fibrosis - state of the art.
4. New concepts in bronchial asthma.
5. Pediatric bronchoscopy - ten years experience.
6. Acute lung injury.
7. Alveolar-capillary barrier development and lung injury.
8. BPD-Update.
9. Epithelial damage and mediator release in bronchial asthma.
10. After gene discovery in cystic fibrosis.
11. Asthma is an inflammatory disease.
12. Pulmonary function tests.
13. CF update.
14. Gene Transfer in Cystic Fibrosis.
15. New Approaches to Treating Cystic Fibrosis.
16. Morning educational intake rounds with medical students and residents.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

**December 1992 - October 1993**

1. Progress in pulmonary function tests
2. Pulmonary physiology (Seminar)
3. Acid-Base balance
4. Progress in cystic fibrosis and gene transfer
5. Progress in the treatment of chronic bronchial asthma, status asthmaticus and respiratory failure
6. New therapeutic modalities in cystic fibrosis
7. Bronchoscopy in children -- update and introduction of miniature bronchoscopes
8. Cardio-pulmonary interactions

**November 1993 - August 1995**

1. Health Care Management
2. Progress in Asthma
3. Treatment of Status Asthmaticus and Respiratory Failure
4. What is New in Cystic Fibrosis
5. Update on Apnea/Bradycardia Syndrome
6. Acid-Base Balance
7. Anti-inflammatory Therapy in Bronchial Asthma
8. Bronchoscopy in Children
9. Respiratory Failure
10. Future of Medicine in America
11. Bronchopulmonary Dysplasia

**September 1995 - May 1996**

1. Health Care Management
2. Progress in Asthma
3. Treatment of Status Asthmaticus and Respiratory Failure
4. What is New in Cystic Fibrosis
5. Update on Apnea/Bradycardia Syndrome
6. Acid-Base Balance
7. Anti-inflammatory Therapy in Bronchial Asthma
8. Bronchoscopy in Children
9. Respiratory Failure
10. Future of Medicine in America
11. Bronchopulmonary Dysplasia
12. Apnea Syndrome
13. Double Lung Transplantation in Cystic Fibrosis
14. Course in Physiology - UCI Medical School

**June 1996 - May 1997**

1. The Approach to the Child with Chronic Cough and Recurrent Pulmonary Infiltrates
2. Pediatric Asthma
3. New Developments in Cystic Fibrosis
4. Pediatric Bronchoscopy
5. New Drugs in Asthma Anti-Inflammatory Therapy
6. Lung transplantation in Cystic Fibrosis
7. Sleep Disorders in Children

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

8. Upper Airway Obstruction in Children
9. Research in Cystic Fibrosis
10. ARDS
11. BPD
12. Physiology Course on Cystic Fibrosis at UCI Medical School

**June 1997 - July 1998**

1. The Approach to the Child with Chronic Cough and Pulmonary Infiltrates
2. Cystic Fibrosis in Children
3. Reactive airways
4. Progress in Cystic Fibrosis
5. Update on Cystic Fibrosis
6. Apnea and SIDS
7. Progress in Cystic Fibrosis
8. Management of Chronic Asthma in the Pediatric Patient
9. Controversies in Pneumonia and Empyema
10. Upper Respiratory Infections in Pediatric Patients
11. Apnea
12. Approach to the Diagnosis and Management of Persistent Cough
13. New Approaches to Asthma
14. Sudden Infant Death Syndrome

**July 1998 - July 1999**

1. Physiology Course on Cystic Fibrosis at UCI Medical School
2. New Concepts in Bronchial Asthma
3. State of the Art in Cystic Fibrosis
4. The Approach to the Child with Chronic Cough and Pulmonary Infiltrates
5. Adult Respiratory Distress Syndrome (ARDS) in Children
6. Bronchopulmonary Dysplasia and Chronic Lung Disease
7. Pediatric Bronchoscopy
8. Apnea and SIDS
9. Upper Airway Obstruction in Infants and Children
10. Ventilation
11. Gas Exchange
12. Obstructive Diseases
13. Restrictive Diseases
14. Vascular Diseases
15. Respiratory Failure
16. Oxygen Therapy
17. PFT in Lab During Exercise
18. Respiratory Physiology
19. Gas Transport
20. Mechanics of Breathing
21. Pulmonary Mechanics
22. Control of Ventilation
23. Fetal Circulation
24. Inhaled Corticosteroids
25. Exercise Physiology
26. Board Questions/ Review

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

27. Home Ventilators
28. Chronic Cough in Children
29. Acid-base Balance
30. Mixed Acid-Base Balance
31. Pulmonary Function Test
32. Hemodynamic Monitoring
33. Structure and Function of the Lung
34. Ventilation-Perfusion
35. Molecular Components of Lung Development
36. Elastic Properties of Chest Wall
37. Abstracts Review - Chest
38. Journal Club
39. Sleep Disorders
40. Shock and Respiratory Failure
41. Advances in Bronchial Asthma in Children
42. Children with Chronic Cough and Pulmonary Infiltrates
43. New Concepts in Bronchial Asthma
44. SIDS
45. Physiology Course on Cystic Fibrosis

**July 1999 - September 2000**

1. New Approaches to Treating Cystic Fibrosis.
2. Gene Transfer in Cystic Fibrosis.
3. New concepts in cerebral resuscitation.
4. Cystic fibrosis - state of the art.
5. Epithelial damage and mediator release in bronchial asthma.
6. Pediatric bronchoscopy - ten years experience.
7. Acute lung injury.
8. Alveolar-capillary barrier development and lung injury.
9. BPD-Update.
10. New concepts in bronchial asthma
11. After gene discovery in cystic fibrosis.
12. Asthma is an inflammatory disease.
13. Pulmonary function tests.
14. CF update.
15. Interstitial lung diseases in children.
16. Morning educational intake rounds with medical students and residents.
17. Sleep Disorders
18. Shock and Respiratory Failure
19. New Concepts in Bronchial Asthma
20. Children with Chronic Cough and Pulmonary Infiltrates
21. Ventilation-Perfusion
22. SIDS
23. PFT in Lab During Exercise
24. Mixed Acid-Base Balance
25. Abstracts Review - Chest
26. Structure and Function of the Lung
27. Anti-Inflammatory Therapy in Bronchial Asthma
28. Physiology Course on Cystic Fibrosis
29. Board Questions/Review
30. Obstructive Diseases

## **LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

### **July 1999 - September 2000**

31. Inhaled Corticosteroids
32. Controversies in Pneumonia and Empyema
33. Lung transplantation in Cystic Fibrosis
34. Adult Respiratory Distress Syndrome (ARDS) in Children

### **September 2000 through August 2001:**

1. Structure and Function of the Lung
2. Anti-Inflammatory Therapy in Bronchial Asthma
3. Physiology Course on Cystic Fibrosis
4. Board Questions/Review
5. Obstructive Diseases
6. Inhaled Corticosteroids
7. Controversies in Pneumonia and Empyema
8. Lung transplantation in Cystic Fibrosis
9. Adult Respiratory Distress Syndrome (ARDS) in Children
10. New Approaches to Treating Cystic Fibrosis.
11. Gene Transfer in Cystic Fibrosis.
12. New concepts in cerebral resuscitation.
13. Cystic fibrosis - state of the art.
14. Epithelial damage and mediator release in bronchial asthma.
15. Pediatric bronchoscopy - ten years experience.
16. Acute lung injury.
17. Alveolar-capillary barrier development and lung injury.
18. BPD-Update.
19. New concepts in bronchial asthma
20. After gene discovery in cystic fibrosis.
21. Asthma is an inflammatory disease.
22. Pulmonary function tests.
23. CF update.
24. Interstitial lung diseases in children.
25. Morning educational intake rounds with medical students and residents.
26. Sleep Disorders
27. Shock and Respiratory Failure
28. New Concepts in Bronchial Asthma
29. Children with Chronic Cough and Pulmonary Infiltrates
30. Ventilation-Perfusion
31. SIDS
32. PFT in Lab During Exercise
33. Mixed Acid-Base Balance
34. Abstracts Review - Chest

### **September 2001 through April 2002:**

1. Adult Respiratory Distress Syndrome (ARDS) in Children
2. Inhaled Corticosteroids
3. Controversies in Pneumonia and Empyema
4. PFT in Lab During Exercise



**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

**September 2001 through April 2002:**

5. Mixed Acid-Base Balance
6. Abstracts Review - Chest
7. Epithelial damage and mediator release in bronchial asthma.

**September 2001 through April 2002:**

8. Cystic fibrosis - state of the art
9. Pediatric bronchoscopy - ten years experience.
10. Acute lung injury
11. New Approaches to Treating Cystic Fibrosis.
12. Alveolar-capillary barrier development and lung injury.
13. BPD-Update
14. Gene Transfer in Cystic Fibrosis
15. New concepts in cerebral resuscitation
16. New concepts in bronchial asthma
17. After gene discovery in cystic fibrosis
18. Asthma is an inflammatory disease
19. Pulmonary function tests
20. Physiology Course on Cystic Fibrosis
21. CF update
22. Interstitial lung diseases in children
23. Morning educational intake rounds with medical students and residents
24. Sleep Disorders
25. Shock and Respiratory Failure
26. New Concepts in Bronchial Asthma
27. Children with Chronic Cough and Pulmonary Infiltrates
28. Ventilation-Perfusion
29. SIDS
30. Structure and Function of the Lung
31. Anti-Inflammatory Therapy in Bronchial Asthma
32. Board Questions/Review
33. Obstructive Diseases
34. Lung transplantation in Cystic Fibrosis

**May, 2002 through June, 2005:**

1. New concepts in cerebral resuscitation
2. New concepts in bronchial asthma
3. After gene discovery in cystic fibrosis
4. Asthma is an inflammatory disease
5. Pulmonary function tests
6. Physiology Course on Cystic Fibrosis
7. CF update
8. Interstitial lung diseases in children
9. Morning educational intake rounds with medical students and residents
10. Sleep Disorders
11. Shock and Respiratory Failure
12. New Concepts in Bronchial Asthma
13. Children with Chronic Cough and Pulmonary Infiltrates
14. Ventilation-Perfusion
15. SIDS
16. Structure and Function of the Lung

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

**May, 2002 through June, 2005**

17. Adult Respiratory Distress Syndrome (ARDS) in Children
18. Inhaled Corticosteroids
19. Controversies in Pneumonia and Empyema
20. PFT in Lab During Exercise
21. Mixed Acid-Base Balance
22. Abstracts Review - Chest
23. Epithelial damage and mediator release in bronchial asthma.
24. Cystic fibrosis - state of the art
25. Pediatric bronchoscopy - ten years experience.
26. Acute lung injury
27. New Approaches to Treating Cystic Fibrosis.
28. Alveolar-capillary barrier development and lung injury.
29. BPD-Update
30. Gene Transfer in Cystic Fibrosis

**June, 2005 (yearly) through June, 2008:**

1. Conflict resolution between traditional Pediatric Practice and Hi-Tech
2. New concepts in cerebral resuscitation
3. New concepts in bronchial asthma
4. After gene discovery in cystic fibrosis
5. Asthma is an inflammatory disease
6. Pulmonary function tests in children
7. Physiology Course on Cystic Fibrosis
8. CF update
9. Interstitial lung diseases in children
10. Sleep Disorders
11. Shock and Respiratory Failure
12. New Concepts in Bronchial Asthma
13. Children with Chronic Cough and Pulmonary Infiltrates
14. Ventilation-Perfusion Relationships
15. SIDS
16. Structure and Function of the Lung
17. Acute Respiratory Distress Syndrome (ARDS) in Children
18. Inhaled Corticosteroids
19. Controversies in Pneumonia and Empyema
20. Mixed Acid-Base Balance
21. Epithelial damage and mediator release in bronchial asthma.
22. Cystic Fibrosis - state of the art
23. Pediatric bronchoscopy
24. Acute lung injury
25. New Approaches to Treating Cystic Fibrosis.
26. Alveolar-capillary barrier development and lung injury.
27. Gene Transfer in Cystic Fibrosis
28. The approach to the child with chronic cough and recurrent Pulmonary infiltrates.
29. Upper Airway Obstruction.
30. Compliance of the lungs and its measurements.
31. Physiological measurements of Pulmonary variables.

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**

**July, 2008 (yearly) through July 2009:**

1. State of the art: bronchial asthma
2. Asthma is an inflammatory disease
3. Pulmonary function tests in children
4. Physiology Course on Cystic Fibrosis
5. CF update
6. Interstitial lung diseases in children
7. Sleep Disorders
8. Shock and Respiratory Failure
9. New Concepts in Bronchial Asthma
10. Ventilation-Perfusion Relationships
11. SIDS and apnea in children
12. Structure and Function of the Lung
13. Acute Respiratory Distress Syndrome (ARDS) in Children
14. Inhaled Corticosteroids
15. Controversies in Pneumonia and Empyema
16. Mixed Acid-Base Balance
17. Epithelial damage and mediator release in bronchial asthma.
18. Cystic fibrosis - state of the art
19. Pediatric bronchoscopy
20. Acute lung injury
21. New Approaches to Treating Cystic Fibrosis.
22. Alveolar-capillary barrier development and lung injury.
23. Gene Transfer in Cystic Fibrosis
24. The approach to the child with chronic cough and recurrent pulmonary infiltrates.
25. Upper Airway Obstruction.
26. Compliance of the lungs and its measurements.
27. Physiological measurements of Pulmonary variables.
28. BPD
29. Upper airway obstruction
30. Exhaled Nitric Oxide (NO<sup>•</sup>) in asthma and CF
31. High Altitude
32. Inhalation challenges
33. Lung Transplantation
34. Bronchiectasis in children
35. Pulmonary cavitory Lesions in Children
36. Atypical mycobacterial infections in children.
37. MAC-complex in CF patients.

**July 2009 through Present**

1. New Inhaled Corticosteroids for Pediatric Asthma
2. Chronic Cough and Pulmonary Infiltrates are not always Pneumonia
3. Not all that wheezes is bronchial asthma
4. Clinical Pathological Conferences (CPC)
5. CF update
6. Interstitial lung diseases in children
7. Sleep Disorders
8. Shock and Respiratory Failure
9. New Concepts in Bronchial Asthma
10. Ventilation-Perfusion Relationships
11. SIDS and apnea in children
12. Structure and Function of the Lung

**LECTURE SERIES TO MEDICAL STUDENTS, RESIDENTS, AND FELLOWS (continued):**  
**July 2009 through Present**

13. Acute Respiratory Distress Syndrome (ARDS) in Children
14. Inhaled Corticosteroids
15. Controversies in Pneumonia and Empyema
16. Mixed Acid-Base Balance
17. Epithelial damage and mediator release in bronchial asthma.
18. Cystic fibrosis - state of the art
19. Pediatric Bronchoscopy
20. Acute lung injury
21. New Approaches to Treating Cystic Fibrosis.
22. Alveolar-capillary barrier development and lung injury.
23. Gene Transfer in Cystic Fibrosis
24. The approach to the child with chronic cough and recurrent pulmonary infiltrates.
25. Upper Airway Obstruction.
26. Compliance of the lungs and its measurements.
27. Physiological measurements of Pulmonary variables.
28. BPD
29. Upper airway obstruction
30. Exhaled Nitric Oxide (NO<sup>2</sup>) in asthma and CF
31. High Altitude
32. Inhalation challenges
33. Lung Transplantation
34. Bronchiectasis in children
35. Pulmonary cavitory Lesions in Children
36. Atypical mycobacterial infections in children.
37. MAC-complex in CF patients.
38. New Therapies For Allergic bronchopulmonary Aspergillosis
39. New Concepts in the pathophysiology and treatment of bronchial asthma
40. CPC (Clinical Pathological Conference)- Pulmonary Hemosiderosis
41. CPC (Clinical Pathological Conference) - Coccidioidomycosis
42. CPC (Clinical Pathological Conference) - Pulmonary Aspergillosis

**PEDIATRIC PULMONARY AND CRITICAL CARE FELLOWS:**

**CURRENT FELLOWS:**

Elizabeth Gendy-Shaker, MD  
Paul Do, MD  
John Moua, MD  
Sophia Williams, MD

**FELLOWS GRADUATED:**

Lauren VanDerStyuff (Whitcoff), MD  
Jose Carrazco, MD  
Hargurmeet Sandhu, MD  
Mario Eyzaguirre, MD  
Hezekiah Moore, MD  
Cesar Chavarria, MD  
Peter Graves, MD  
Beny Rub, MD  
Daniel Fisher, MD  
Hillel Janai, MD  
Mehrddad Jalili, MD  
Michael Dugan, MD  
Baluswamy Viswanathan, MD  
Luis Salcedo, MD  
Luis Franchi, MD  
Lauro Roberto, MD  
Zacharia Reda, MD  
Sion Hour, MD  
Peter Liu, MD  
Carmen Botero, MD  
Suzanne Edmunds, MD  
Patricia Mendoza, MD  
Donna Miller, MD  
Anchalee Yuengsrigul, MD  
Chuanpit Moser, MD  
Rujipat Samransamruajkit, MD  
Luis Torero, MD  
Pornchai Tirakitsoontorn, MD  
Raminder Sufi, MD  
Rohan Thompson, MD  
Mariam Ischander, MD  
Yazan Said, MD  
Alladdin Abosaida, MD  
Inderpal Randhawa, MD  
Cyrus Shahriary, MD