

CURRICULUM VITAE

Richard Jay Martin, M.D.

I. Personal History

Born: Detroit, Michigan

Present Position Rank: Chair, Department of Medicine
National Jewish Medical and Research Center

Professor of Medicine
National Jewish Medical and Research Center
University of Colorado Health Sciences Center

Present Address: National Jewish Medical and Research Center
1400 Jackson St.
Denver, CO 80206
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Citizenship: United States

II. Educational History

University of Michigan
Ann Arbor, Michigan
1967 -- B.S.

University of Michigan Medical School
Ann Arbor, Michigan
1971 -- M.D.

Internship:
Good Samaritan Hospital
Phoenix, Arizona
1971 - 1972

Residency:
Tulane University
New Orleans, Louisiana
1974 - 1976, Medicine

Fellowship:
University of Oklahoma
Oklahoma City, Oklahoma
1976 - 1978, Pulmonary

Board Certified: Internal Medicine
1976 #53990

Board Certified: Pulmonary Diseases
1978 #53990

III. Professional Positions

2006 – Present	Chair, Department of Medicine National Jewish Medical and Research Center
2004 – 2006	Acting Chair, Department of Medicine National Jewish Medical and Research Center
1997 – 2005	Vice Chair, Department of Medicine National Jewish Medical and Research Center
1993 – 2005	Head, Division of Pulmonary Medicine National Jewish Medical and Research Center
1992 – Present	Professor of Medicine Pulmonary Disease Section University of Colorado Health Sciences Center
1999 – 2002	Faculty Affiliate Department of Physiology Colorado State University
1991 – 1996	Co-Director, Asthma Program National Jewish Medical and Research Center
1991 – 1994	Director, Sleep Research National Jewish Medical and Research Center
1985 – 1992	Associate Professor of Medicine Pulmonary Disease Section University of Colorado Health Sciences Center
1980 – 1990	Director, Sleep Disorders Program National Jewish Medical and Research Center
1980 – 1987	Director, Adult Special Care Unit National Jewish Medical and Research Center
1980 – 1985	Assistant Professor of Medicine Pulmonary Disease Section University of Colorado Health Sciences Center
1978 – 1980	Assistant Professor of Medicine Pulmonary Disease Section

University of Oklahoma Health Sciences Center

Medical Advisor of the Sleep Disorders Center
Presbyterian Hospital

Director, Pulmonary Function Laboratory
Veterans' Administration Medical Center

1972 – 1974

General Medical Officer
Public Health Service/Indian Health Service

IV. Honors and Awards

2007	Induction into Colorado Pulmonary Hall of Fame
2006	Robert M. Rogers Lectureship, University of Pittsburg
2005-Present	Edelstein Family Chair in Pulmonary Medicine
2003-2007	American College of Chest Physicians Distinguished Scholar Award
2003-Present	Faculty of 1000 in Medicine Current Science, Inc.
2001-Present	America's Top Doctors Castle Connolly Medical Ltd.
1996 - Present	American Men & Women of Science
1996 - Present	Best Doctors in America, Central Region Woodward/White, Inc.
1996 - Present	Who's Who United Registry Publication
1995 - Present	Best Doctors in America Woodward/White, Inc.
1993 - Present	Who's Who in America, Marquis Reed Reference Publishing Co.
2003	2000 Outstanding Intellectuals of the 21 st Century International Biographical Centre – Cambridge
2003	Patrick Gill Memorial Lecture Canadian Atlantic Thoracic Society
2002	Ambassador Award National Jewish Medical and Research Center

- 2001 Distinguished Lecturer
Asociacion Argentina de Alergia e Inmunologia
- 1998 Distinguished Lecturer
Cardiopulmonary Congress, Buenos Aires, Argentina
- 1998 Invited Speaker
Medical and Chirurgical Faculty of Maryland
- 1998 Distinguished Lecturer
The Royal College of Physicians and Surgeons of
Canada, Toronto
- 1998 Keynote Address
Southern California Pulmonary Research Conference
- 1997 Excellence in Teaching Award - Sophomore Medical
School Class, University of Colorado School of
Medicine
- 1997 Keynote Address
American Lung Association of Santa Clara and San
Benito Counties, CA
- 1995 Keynote Address
American Lung Association of Ventura County
- 1995 Asthma Lecture
Brigham and Womens Hospital
Harvard University
- 1993 V Congresso Paulista De Pneumologia e
Tisiologia - Invited Lecturer - Sao Paulo, Brazil
- 1992 100th Anniversary of Pediatrics - Invited
Lecturer - University of Groningen,
The Netherlands
- 1988 Inaugural Lecture - The Japanese Society for
Respiratory Sleep Disorders
- 1988 Excellence in Teaching Award - Sophomore
Medical School Class, University of Colorado
School of Medicine
- 1987 Excellence in Teaching Award - Sophomore
Medical School Class, University of Colorado
School of Medicine

- 1985 Excellence in Teaching Award - Sophomore Medical School Class, University of Colorado School of Medicine
- 1984 Excellence in Teaching Award - Sophomore Medical School Class, University of Colorado School of Medicine
- 1983 Excellence in Teaching Award - Sophomore Medical School Class, University of Colorado School of Medicine
- 1979 American Lung Association, Pulmonary Fellow Awardee
- 1979 Selected by the American College of Chest Physicians for the Young Pulmonary Physician Conference, St. Charles, Illinois
- 1978 American Lung Association, Pulmonary Fellow Awardee
- 1978 James F. Hammarsten Outstanding Fellow at the University of Oklahoma Health Sciences Center
- 1978 Best Paper, Internal Medicine, from the Oklahoma Society of Internal Medicine, presented at the 24th Annual Interns'-Residents' Day
- 1977 American Lung Association, Pulmonary Fellow Awardee
- 1977 Best Paper, Internal Medicine, from the Oklahoma Society of Internal Medicine, presented at the 23rd Annual Interns'-Residents' Day
- 1977 Best Paper, Internal Medicine, from the University of Oklahoma Gastroenterology Section, presented at the 23rd Annual Interns'-Residents' Day

V. Professional Affiliations

- 2005 – Present American Academy of Allergy, Asthma and Immunology

1995 – Present	European Respiratory Society
1990 - Present	International Society for Chronobiology
1986 - Present	Western Society for Clinical Investigation
1981 - Present	Colorado Trudeau Society
1979 - Present	American College of Chest Physicians
1979 - Present	American College of Physicians
1978 - Present	American Federation for Clinical Research
1972 - Present	American Thoracic Society

VI. Professional Service and Committees

A. Institutional and Departmental Committees

2004 – Present	COPD Committee
1999 – Present	Co-Chair, Keystone Allergy, Immunology and Pulmonary Conference
1997 - Present	Pulmonary Fellowship Selection Committee University of Colorado Health Sciences Center
1993 - 2005	Member, Department of Medicine Medical Operating Committee National Jewish Medical and Research Center
2000 – 2005	Clinical Action Committee
2004	Department of Medicine Training Task Force
2004	Department of Medicine Research Task Force
2004	Department of Medicine Clinical Practice Task Force
2004	Department of Medicine Finance Committee
2003	Chair, Infectious Disease Division Head Search Committee National Jewish Medical and Research Center
2002	Chair, Allergy and Clinical Immunology Division Head Search Committee National Jewish Medical and Research Center

1998	Member, Long Range Planning Committee National Jewish Medical and Research Center
1998	Member, Space Utilization Committee National Jewish Medical and Research Center
1996 - 1997	Medical Director, Schering Preceptorship Program National Jewish Medical and Research Center
1986 - 1997	Member, Clinical Investigation Committee National Jewish Medical and Research Center
1997	Member, Basic Research Task Force National Jewish Medical and Research Center
1997	Member, Clinical Research Task Force National Jewish Medical and Research Center
1993 - 1996	Chair, Annual Update on Adult and Pediatric Asthma National Jewish Medical and Research Center
1990 - 1995	Pharmacy and Therapeutics Advisory Committee National Jewish Medical and Research Center
1988 - 1991	Voting Member, By-laws Committee National Jewish Medical and Research Center
1983 - 1984	Medical Director, Rehabilitation Services National Jewish Medical and Research Center
1979 - 1980	Member, Research Advisory Committee University of Oklahoma

B. National/International Service

2007 -	International Scientific Committee for the 2007 World Asthma Conference
2005 – Present	Vice-Chair, Infections and Asthma Task Force - AAAAI
1995 - Present	Member, Steering Committee - Aspen Lung Conference University of Colorado Health Sciences Center
1990 - Present	Allergy, Immunology and Inflammation Assembly of the American Thoracic Society
2003 – 2008	Chair, DSMB - APPLES; NHLBI/NIH

2001 – 2004	Member, Health and Science Policy Committee, American College of Chest Physicians
2001 – 2005	Editorial Board, Treatments in Respiratory Medicine (previously American Journal of Respiratory Medicine)
2002	Chairman, Aspen Lung Conference
1998 - 2002	Board, The American Association for Medical Chronobiology and Chronotherapeutics
1997 - 2002	Editorial Board - Chronobiology International
1998 – 1999	ALA – Regional Asthma Center Review Committee
1996 - 1998	Editorial Board - Bronchial Asthma: Index and Reviews
1994 - 1998	Editorial Board - American Journal of Respiratory and Critical Care Medicine
1997	Chair, NHLBI Workshop on Chronobiology of Asthma
1997	NIH - NCRR, Site Visit Team
1996 - 1997	American Thoracic Society - Working Group on Bronchoscopy
1994 - 1997	Merit Review Committee - Department of Veteran Affairs
1996	NHLBI - NIH Special Emphasis Panel, Review Section
1995 - 1996	Associate Editor - Clinical Care for Asthma
1994 - 1995	American Thoracic Society Corporate Relations Committee
1994	NHLBI Workshop - Stress and Asthma
1993	Veterans Administration Grant Review - ad hoc
1992	Nominating Committee American Thoracic Society
1990	Veterans Administration Grant Review - ad hoc
1990	Cardiopulmonary Function Sub-Committee

	The National Commission on Sleep Disorders Research
1988 - 1990	Sleep & Respiratory Biology Section American Thoracic Society
1989	International Scientific Committee on "Sleep and Health Risk" Marburg, West Germany
1987	Program Committee - Scientific Assembly on Clinical Problems American Thoracic Society
1986	Advisory Committee for the International Symposium on Sleep Related Disorders and Internal Diseases Marburg, Germany
1986	ATS Consensus Conference on Indications and Standards for Cardiopulmonary Sleep Studies American Thoracic Society, New York
1985	Chairman, Association of Sleep Disorders Centers and American College of Chest Physicians - position paper on Standards and Indications for Cardiopulmonary Sleep Studies
1979 - 1981	Co-Director, Workshop on Respiratory Failure American College of Physicians Annual Meetings
1980	Assistant Director, Pre-Course on "Respiratory Failure: Practical Physiology and Clinical Applications of Blood Gases" American College of Physicians Annual Meeting

VII. Reviewer - Journals

1. Journal of Applied Physiology
2. American Journal of Respiratory and Critical Care Medicine
3. Chest
4. Journal of Allergy & Clinical Immunology
5. Annals of Internal Medicine
6. Mayo Clinic Proceedings
7. Journal of Asthma
8. Archives of Internal Medicine
9. New England Journal of Medicine
10. Annals of Allergy, Asthma and Immunology
11. European Respiratory Journal

12. Journal of Clinical Investigation
13. American Journal of Medicine
14. American Journal of Respiratory Medicine

Patents

1. US Patent #6,156,503, Diagnosing Asthma Patients Predisposed to Adverse Beta-Agonist Reactions, December 5, 2000.

VIII. Teaching Activities

A. Course Director

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| 1985 - 1994 | Director, Physical Diagnosis Course - Introduction to Clinical Medicine, University of Colorado Health Sciences Center |
| 1982 - 1985 | Director, Pulmonary Pathophysiology Course for Second-Year Medical Students, University of Colorado Health Sciences Center |
| 1978 - 1980 | University of Oklahoma Critical Care Course, Workshop Coordinator and Program Coordinating Committee |

B. University of Colorado Medical School Lectures

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|-------------|--|
| 1989 - 1999 | Pathophysiology Course <ol style="list-style-type: none">a. Oxygen and Carbon Dioxide Exchangeb. Physiologic Aspects of Hypoxemia |
| 1982 - 1988 | Pathophysiology Course <ol style="list-style-type: none">a. Oxygen and Carbon Dioxide Exchangeb. Physiologic Aspects of Hypoxemiac. Physiologic Respiratory Alterations During Sleep |

C. Advisor

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|-------------|---|
| 1999 – 2004 | University of Colorado Advanced Training for Clinical Investigators |
| 1999 – 2001 | Christina Lewis – Doctoral Candidate, Physiology |
| 1995 - 1996 | Karen Fagen - 1st year Pulmonary Fellow |
| 1993 - 1994 | Kevin Connelly - 1st Year Pulmonary Fellow |
| 1991 - 1992 | David Kaminsky - 1st Year Pulmonary Fellow |

D. Postdoctoral Fellows

2006 - 2008	Xiaona Ge – Post-doctoral Fellow
2006 - 2008	Jyoti Thaikootathil – Post-doctoral Fellow
2005 - 2008	Qun Wu – Post-doctoral Fellow
2006 - 2007	Misbah Baqir – Pulmonary Fellow
2003 - 2005	David Beuther – Pulmonary Fellow
2002 - 2003	Chakradhar Kotaru – Pulmonary Fellow
2002	Christina Lewis – Ph.D., Physiology
1999 - 2001	E. Rand Sutherland – Pulmonary Fellow
1999 - 2001	David Pham – Pulmonary Fellow
1996 - 1998	Esther Langmack – Pulmonary Fellow
1995 - 1998	George Georges - Pulmonary Fellow
1995 - 1998	Hong Wei Chu - Visiting Physician, China
1995 - 1997	Elcio Vianna - Visiting Physician, University of Sao Paulo - Brazil
1992 - 1994	Monica Kraft - Pulmonary Fellow
1992 - 1994	Diane Pincus - Allergy/Immunology Fellow
1992 - 1993	Dan-Jiang Li - Visiting Physician, China
1991 - 1992	Ellen Sher - Allergy/Immunology Fellow
1990 - 1993	William R. Beam - Pulmonary Fellow
1990 - 1991	Jon Corren - Allergy/Immunology Fellow
1989 - 1990	Douglas Weiner - Pulmonary Fellow
1989 - 1990	Ahmed Mohiuddin - Allergy/Immunology Fellow
1987 - 1988	Wang Chen Tan - Visiting Physician, University of Singapore
1985 - 1986	Louis Libby - Pulmonary Fellow
1984 - 1986	Robert Ballard - Pulmonary Fellow
1979 - 1980	Eugene Fletcher - Pulmonary Fellow
1978 - 1980	Mark Sanders - Pulmonary Fellow

E. Visiting Professor

2007	Stanford University
2006	Duke University
2005	Yonsei University, Korea
2005	Emory University
2003	Indiana University – The Pfizer Professor
2003	University of Texas Southwestern
2002	Jefferson Medical School
2001	University of Oklahoma
2001	University of Southern California
2001	Hahnemann University
2000	McGill University, Montreal
1999	State University of New York - Syracuse
1998	Tulane University
1998	Northwestern University
1998	University of Illinois
1998	Wilford Hall Medical Center
1998	Creighton University
1997	Guangzhou Medical College

1997	China Medical University
1996	Argentina, Thoracic and Allergy Societies
1996	Hoag Memorial Hospital - California
1995	Emory University
1994	University of Vienna
1994	University of Pittsburgh
1993	University of California - Irvine
1993	Georgetown University
1992	University of East Carolina
1992	University of Groningen, The Netherlands
1991	Hahnemann University
1991	Temple University
1991	Princeton University
1990	Mount Sinai Medical School (NY)
1990	Emory University
1990	Yale University
1989	Phillips-University, Marburg, West Germany
1988	Tokai University, Japan
1987	Enschede, The Netherlands
1986	University of Marburg, West Germany
1984	National Lung Hospital, Tokyo
1984	Chubu Hospital, Okinawa, Japan

IX. Research Grants, Contracts, and Special Grants

A. Current Research Grant Support

2004 - 2009	PI: PPG – The Effect of Mycoplasma on Chronic Asthma – National Heart Lung & Blood Institute (HL073907). \$7,550,000
2003 - 2008	PI: Asthma Clinical Research Network II – National Heart Lung & Blood Institute (HL74073). \$2,500,000 (current five year cycle) for Denver Center.
2006 – 2008	PI: Effect of roflumilast on cigarette smoke and mice – Altana \$320,000.
2007 – 2008	PI: Interaction between cigarette smoke, mycoplasma, and fluticasone. GlaxoSmithKline \$98,000.
2007 - 2012	Project PI: Inflammation, Airways Reactivity and Asthma - Nocturnal Asthma: Mechanisms Related to Increased Bronchial Responsiveness. National Heart Lung & Blood Institute (HL 36577). 2007 - 2012 \$1,000,000. PI: Clinical Core – 2007 – 2012 \$1,150,000.

B. Previous Grant Support

2005 - 2007	PI: Bronchial Thermal plasty – Alair2 Trial. \$412,000.
1986 – 2006	Project PI: Inflammation, Airways Reactivity and Asthma - Nocturnal Asthma: Mechanisms Related to Increased Bronchial Responsiveness. National Heart Lung & Blood Institute (HL 36577). 1986-2001 \$1,000,000. PI: Clinical Core – 2001 – 2006 \$1,150,000.
1993 - 2003	PI: Asthma Clinical Research Network - National Heart Lung & Blood Institute (HL 51834). \$2,500,000 (five year cycle) for Denver Center.
2000 – 2004	PI: Asthma Chronobiology: Central and Lung Interactions – National Heart Lung & Blood Institute (HL99-011). \$1,360,000.
2002 - 2003	PI: Alteration of Mycoplasma Respiratory Infection: A Murine Model – GlaxoSmithKline - \$280,000
1996 - 2002	PI: Asthma Research Center - American Lung Association. \$2,500,000.
2000 – 2002	Alteration of Alveolar Tissue Inflammation with HFA Inhaled steroid – 3M. \$300,000.
1997 - 1998	PI: Tiotropium and Nocturnal Asthma - Boehringer Ingelheim. \$92,000.
1997 - 1998	PI: Volmax vs. Salmeterol for Nocturnal Asthma. Muro Pharmaceuticals. \$35,000.
1996 - 1997	Accolate in Asthmatic Inflammation. Zeneca. \$140,000.
1994 - 1996	Chronotherapy of Asthma with Respect to Inhaled Steroids: Comparative Efficacy of Once Daily Dosing at 8 am, 5 pm versus qid. Rhone-Poulenc Rorer. \$95,000.
1994 - 1995	Effects of Atrovent on Sleep Architecture. Boehringer Ingelheim. \$62,000.
1993 - 1994	Anti-inflammatory Effects of Salmeterol. Glaxo Pharmaceutical. \$180,000.

- 1992 - 1993 Effect of Theophylline on the Late Asthmatic Response. The Purdue-Frederick Company. \$98,000.
- 1992 - 1993 Aerosolized Recombinant Interleukin-1 Receptor Antagonist in Asthma. Synergen, Inc. \$187,000.
- 1992 - 1993 Chronotherapy of Asthma with Respect to Inhaled Steroids: Comparative Efficacy of Once Daily Dosing with Conventional Four Times a Day. Rhone-Poulenc Rorer. \$39,500.
- 1992 - 1993 Effect of Theophylline on Neutrophil Influx into Airways and Neutrophil Function in Nocturnal Asthma. The Purdue-Frederick Co. \$74,000.
- 1992 Pilot Study of the Safety and Tolerability of Multiple Oral Doses of MK-0591 (5-lipoxy-genase inhibitor). Merck, Sharpe & Dohme. \$55,800.
- 1991 - 1992 Pilot Study of the Efficacy and Safety of Interleukin-1 Receptor Antagonist for the Treatment of Nocturnal Asthma. Synergen, Inc. \$30,000.
- 1991 - 1992 Effect of Nedocromil Sodium on Bronchial Responsiveness and Nocturnal Asthma. Fisons Corporation. \$110,000.
- 1990 - 1991 A Double-Blind, Randomized and Stratified, Multicenter Study to Compare the Efficacy of Two Oral Dose Regimens of MK-0679 to Placebo in Patients with Nocturnal Asthma. Merck, Sharpe & Dohme. \$64,250.
- 1989 - 1990 Theophylline Effect on Ventilatory Pattern and Oxygen Saturation in COPD. The Purdue-Frederick Company. \$77,500.
- 1987 - 1988 Meter Dose-Inhaler vs. Sustained Release Theophylline in Nocturnal Asthma. Winthrop-Breon Laboratories, Inc. \$61,000.
- 1986 - 1987 Effect of a 24-Hour Theophylline Preparation on Nocturnal Asthma. The Purdue-Frederick Company. \$71,600.
- 1985 Study of an Oral Anticholinergic Agent - CI-923 in Asthma. Warner-Lambert Company. \$42,000.

- 1979 Mechanisms of Hypoxemia During Sleep in Patients
with Chronic Obstructive Pulmonary Disease.
University of Oklahoma College of Medicine. \$3,500.
- 1979 Respiration During Sleep; Health and Sleep Apnea.
Veterans' Administration. \$25,000.
- 1978 Control of Breathing During Wake and Sleep.
University of Oklahoma Health Sciences Center
Senate Faculty Grant. \$1,800.

X. Bibliography

A. Journal Publications

1. Martin RJ. Shigella bacteremia in an adult. *Arizona Med* 31:735-737, 1974.
2. Martin RJ, Robinson SR. Chlorpropamide-induced hyponatremia. (Letter to the Editor) *Southern Med J* 69:1524, 1976.
3. Akdamar K, Martin RJ, Ichinose H. Syphilitic proctitis. *Digest Dis* 22:701-704, August 1977.
4. Martin RJ, Michals ED, Volt MR. Cyclophosphamide-induced remission in Weber-Christian Disease. *Military Med* 70:158-160, 1977.
5. Martin RJ. Pulmonary alveolar proteinosis. (Letter from the author) *Am Rev Respir Dis* 118:970, 1978.
6. Martin RJ, Rogers RM. The treatment of acute respiratory failure without mechanical ventilation. *Med Times* 106:31-37, 1978.
7. Martin RJ, Rogers RM, Myers N. Pulmonary alveolar proteinosis. Shunt fraction and LDH as aids to diagnosis. *Am Rev Respir Dis* 117:1059-1062, 1978.
8. Orr WC, Martin RJ, Patterson CD. When to suspect sleep apnea: The "Pickwickian Syndrome." *Med* 106:76-79, 1978.
9. Hammon WE, Martin RJ. Fatal pulmonary hemorrhage associated with chest physical therapy. *Phys Ther* 59:1247-1248, 1979.
10. Martin RJ, Gray BA. Respiratory failure and oxygen transport in the patient with shock. *Med Times* 107 (9) :90-100, September 1979.
11. Martin RJ, Rogers RM. The treatment of acute respiratory failure without mechanical ventilation. *Resident and Staff Physician* 25:41-47, May 1979.
12. Orr WC, Imes NK, Martin RJ. Progesterone therapy in obese patients with sleep apnea. *Arch Int Med* 139:109-111, 1979.
13. Orr WC, Martin RJ, Imes NK, Rogers RM, Stahl ML. Hypersomnolent and non-hypersomnolent patients with upper airway obstruction during sleep. *Chest* 75:418-422, 1979.
14. Orr WC, Martin RJ, Patterson CD. When to suspect sleep apnea: The "Pickwickian Syndrome." *Resident and Staff Physician* 25:101-104, May 1979.

Journal Publications (cont.)

15. Connors AF, Hammon WE, Martin RJ, Rogers RM. Chest Physical Therapy: The immediate effect on oxygenation in acutely ill patients. *Chest* 78:559-564, 1980.
16. Martin RJ. A man with mild chest pain. *Consultant* 20:169, 1980.
17. Martin RJ, Coalson JJ, Rogers RM, Horton FO, Manous LE. Pulmonary alveolar proteinosis: The diagnosis by segmental lavage. *Am Rev Respir Dis* 121:819-825, 1980.
18. Martin RJ, Gray BA. Assessment of oxygen transport in shock and respiratory failure. *Resident and Staff Physician* 26:3S-13S, 1980.
19. Martin RJ, Pennock BE, Orr WE, Sanders MH, Rogers RM. Respiratory mechanics and timing during sleep in occlusive sleep apnea. *J Appl Physiol: Respirate Environ Exer Physiol* 48:432-437, 1980.
20. Martin RJ, Rogers RM, Gray BA. The physiologic basis for the use of mechanical aids to lung expansion. *Am Rev Respir Dis* 122 (5, Part 2):105-108, 1980.
21. Hammon WE, Martin RJ. Chest physical therapy for acute atelectasis: A report on its effectiveness. *Phys Ther* 61:217-220, 1981.
22. Martin RJ. The diagnosis of pulmonary alveolar proteinosis. *Int Med* 2:43-51, 1981.
23. Martin RJ. The problems of sleep-related respiratory disorders. (Editorial) *JAMA* 245:1230-1231, 1981.
24. Orr WC, Martin RJ. Obstructive sleep apnea in adults with tonsillar hypertrophy. *Arch Intern Med* 141:990-992, 1981.
25. Sanders M, Martin RJ, Pennock BE, Rogers RM. The detection of sleep apnea in the awake patient. *JAMA* 245:2414-2418, 1981.
26. Douglas NJ, White DP, Weil JV, Pickett C, Martin RJ, Hudgel DW, Zwillich CW. Hypoxic ventilatory response decrease during sleep in man. *Am Rev Respir Dis* 125:286-289, 1982.
27. Fletcher E, Martin RJ. Sexual dysfunction and erectile impotence in COPD. *Chest* 81:413-422, 1982.
28. Martin RJ, Sanders MH, Gray BA, Pennock B. Acute and long-term ventilatory effects of hyperoxia in the adult sleep apnea syndrome. *Am Rev Respir Dis* 125:175-180, 1982.

Journal Publications (cont.)

29. Zwillich C, Devlin T, White D, Douglas N, Weil J, Martin RJ. Bradycardia during sleep apnea: its characteristics and mechanism. *J Clin Invest* 69:1286-1292, 1982.
30. Hudgel DW, Martin RJ, Capehart M, Johnson B, Hill P. Contribution of hypoventilation to sleep oxygen desaturation in COPD. *J Appl Physiol: Respirat Environ Exer Physiol* 55:669-677, 1983.
31. Martin RJ. Complex pulmonary function data: the lack of communication. (Editorial) *Chest* 84:121, 1983.
32. Martin RJ. The role of oxygen therapy in respiratory disorders during sleep: importance of patient selection. *Pract Cardiol* 9:152-159, 1983.
33. Martin RJ, Hudgel D. Assessment of pulmonary disorders during sleep. *Seminars in Respiratory Medicine* 4:258-263, 1983.
34. Martin RJ, Sufit RL, Ringel SP, Hudgel DW, Hill P. Respiratory improvement by muscle training in adult-onset acid maltase deficiency. *Muscle and Nerve* 6:201-203, 1983.
35. Hudgel DW, Martin RJ, Johnson B, Hill P. Mechanics of the respiratory system and breathing pattern during sleep in normal humans. *J Appl Physiol: Environ Exer Physiol* 56:133-137, 1984.
36. Martin RJ. Heart failure, hypertension and unexplained erythrocytosis. *Consultant Sept.:*113-114, 1984.
37. Martin RJ. Multiple pulmonary nodules. *Consultant Dec.:* 97, 1984.
38. Martin RJ, Block AJ, Cohn MA et al. Indications and standards for cardiopulmonary sleep studies. *Sleep* 8:371-379, 1985.
39. Martin RJ. Pulmonary artery pressure during sleep. *Semin Respir Med* 7:160-163, 1985.
40. Myears DW, Martin RJ, Eckert RC, Sweeney MK. Functional versus organic vocal cord paralysis: rapid diagnosis and decannulation. *Laryngoscope* 95:1235-1237, 1985.
41. Ballard RD, Martin RJ. Sleep apnea: diagnosis and treatment. *West J Med* 145:248-250, 1986.
42. Martin RJ, Ballard RD, Hudgel DW. The effects of weight and chemosensitivity on respiratory sleep abnormalities: a family study. *Int J Obes* 10:283-292, 1986.

Journal Publications (cont.)

43. Ballard RD, Martin RJ. Nocturnal asthma. *Semin Respir Med* 8:302-307, 1987.
44. Fernandez E, Martin RJ. Treatment of acute, severe asthma. *Semin Respir Med* 8:227-238, 1987.
45. Martin RJ, Blager FB, Gay ML, Wood RP. Paradoxical vocal cord motion in presumed asthmatics. *Semin Respir Med* 8:332-337, 1987.
46. Rodman DM, Martin RJ. Tracheostomy tube failure in obstructive sleep apnea. *West J Med* 147:41-43, 1987.
47. Ballard RD, Kelly PL, Martin RJ. Estimates of ventilation from inductance plethysmography in sleeping asthmatics. *Chest* 92:128-133, 1988.
48. Ballard RD, Saathoff MC, Patel DK, Kelly PL, Martin RJ. The effect of sleep on nocturnal bronchoconstriction and ventilatory patterns in asthmatics. *J Appl Physiol* 67(1):243-249, 1989.
49. Martin RJ, Cicutto LC, Ballard RD, Goldenheim PD, Cherniack RM. Circadian variations in theophylline concentrations and the treatment of nocturnal asthma. *Am Rev Respir Dis* 139:475-478, 1989.
50. Zwillich CW, Neagley SR, Cicutto L, White DP, Martin RJ. Nocturnal asthma therapy: inhaled bitolterol versus sustained release theophylline. *Am Rev Respir Dis* 139 (2):470-474, 1989.
51. Ballard RD, Irvin CG, Martin RJ, Pak J, Pandey R, White DP. Influence of sleep on lung volume in asthmatics and normals. *J Appl Physiol* 68:2034-2041, 1990.
52. Ballard RD, Tan WC, Pak J, Pandey R, Kelly PL, Martin RJ. Effects of sleep and prior sleep deprivation on ventilatory and arousal responses to induced bronchoconstriction. *J Appl Physiol* 69:490-497, 1990.
53. Martin RJ. Nocturnal asthma. *Immunol Allergy Pract* 12:163-169, 1990.
54. Martin RJ. The sleep related worsening of lower airways obstruction: understanding and intervention. *Med Clin North Amer* 74:701-714, 1990.
55. Martin RJ, Cicutto LC, Ballard RD. Factors related to the nocturnal worsening of asthma. *Am Rev Respir Dis* 141:33-38, 1990.
56. Mohiuddin AA, Martin RJ. Circadian basis of the late asthmatic response. *Am Rev Respir Dis* 142:1153-1157, 1990.
57. Tan WC, Martin RJ, Pandey R, Ballard RD. Effects of spontaneous and simulated gastroesophageal reflux on sleeping asthmatics. *Am Rev Respir Dis* 141:1394-1399, 1990.

Journal Publications (cont.)

58. Erzurum SC, Leff JA, Cochran JE, Ackerson LM, Szeffler SJ, Martin RJ, Cott GR. Lack of benefit of methotrexate in severe, steroid-dependent asthma. *Ann Int Med* 114:353-360, 1991.
59. Glynn-Barnhart AM, Erzurum SC, Leff JA, Martin RJ, Cochran JE, Cott GR, Szeffler SJ. Effect of low dose methotrexate on the disposition of glucocorticoids and theophylline. *J Allergy Clin Immunol* 88:180-186, 1991.
60. Larsen GL, Bethel RA, Irvin CG, Martin RJ, Uchida DA. Granulocytes and airway reactivity. *Am Rev Respir Dis* 143:S64-65, 1991.
61. Martin RJ, Cicutto LC, Smith HR, Ballard RD, Szeffler SJ. Airways inflammation in nocturnal asthma. *Am Rev Respir Dis* 143:351-357, 1991.
62. Martin RJ, Pak J. Nasal CPAP in non-apneic nocturnal asthma. *Chest* 100 (4):1024-1027, 1991.
63. Nelson HS, Szeffler SJ, Martin RJ. Regular inhaled beta-adrenergic agonists in the treatment of bronchial asthma: beneficial or detrimental? (Editorial) *Am Rev Respir Dis* 144:249-250, 1991.
64. Szeffler SJ, Ando R, Cicutto LC, Surs W, Hill MR, Martin RJ. Plasma histamine, epinephrine, cortisol and leukocyte beta-adrenergic receptors in nocturnal asthma. *Clin Pharmacol and Therapeutics* 49:59-68, 1991.
65. Beam WR, Ballard RD, Martin RJ. Spectrum of corticosteroid sensitivity in nocturnal asthma. *Am Rev Respir Dis* 145:1082-1086, 1992.
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C. Abstracts - Upon request.

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