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Medical License:

0101-027271 Commonwealth of Virginia

Certifications:

1977	Diplomat	Royal College of Physicians
1978	Diplomat	American Board of Internal Medicine
1979	Diplomat	American College of Physicians
1980	Diplomat	Pulmonary Board Examination
1981	Diplomat	Fellow of College Chest Physicians and Internal Medicine

Present Positions:

1975 to 1983	Assistant Professor	Department of Internal Medicine University of Virginia Health Sciences Center Charlottesville, VA 22901
1983 to Present	Pulmonologist	Pulmonary Allergy Clinic 308 10 th Street, N.E., Suite 2 Charlottesville, VA 22902
2000 to Present	Investigator	Charlottesville Medical Research 1139 East High Street, Suite 105 Charlottesville, VA 22902
February 2000	Investigator	Bristol Meyer Squibb Co. Gatifloxacin
June 2000	Investigator	Bayer Pharmaceutical Moxifloxacin
2001 to Present	Investigator	Glaxo Wellcome Inc Zanamivir Salmeterol
2001 to Present	Investigator	Norvartis Inc Starlix
2002 to Present	Investigator	AstraZeneca Rosvastatin

Hospital Affiliations:

Martha Jefferson Hospital
Charlottesville, VA

Education and Training:

1964	MBBS	Punjab University India
1965	Intern	V.J. Hospital Amritsar, India
1967	Resident	Royal Berkshire Hospital Reading, Berks, England
1968	Resident	Pathology Mile End Hospital London, England
1976	Residency	Internal Medicine Department of Veterans Affairs Salem, VA
1974		E.C.F.M.G. Examination
1978 - 1980	Fellowship	Pulmonary University of Virginia Charlottesville, VA

Previous Positions:

1965 - 1966	House Physician	V.J. Hospital Amritsar, India
1966	Medical Registrar	V.J. Hospital Amritsar, India
1968	Medical Registrar	Mile End Hospital London, England
1969 - 1972	Medical Registrar	General Medicine and Chest Diseases Harts
1972 - 1975	Medical Registrar	Colindale and Edgware Hospital London, England
1975 - 1982	Co-Investigator	NIH-NHLB1 Grant #22022 Respiratory Muscle Dysfunction in Respiratory Failure
1975 - 1982	Co-Investigator	USPHS NIH Grant #HL21600 Performance of Respiratory Muscles Under Stress in Animal Models
1975 - 1982	Co-Investigator	University of Virginia Medical School Respiratory Muscle Fatigue in Control and Hypophosphatemic Dogs
1978 - 1977	Instructor	Pulmonary Medicine University of Virginia Hospital Charlottesville, VA

1977 – 1982

Assistant Professor of
Medicine

Pulmonary Division
University of Virginia Hospital
Charlottesville, VA

Memberships:

American College of Physicians

American College of Chest Physicians

American Board of Internal Medicine

Royal College of Physicians, United Kingdom

Albemarle County Medical Society

Virginia Lung Association

American Thoracic Society

American Thoracic Society, Eastern Section

American Federation of Clinical Research

American Association for the Advancement of Science

American Physiological Society

Awards:

Virginia Council on Indians; Outstanding Citizen Award, March 16, 2001.

American College of Physicians; Volunteerism Award, April, 2003.

Publications:

Singh A, Arora NARINDER S. ARORA, M.D.: Idiopathic clubbing. J Indian Med Assoc 53:147-157, 1969.

Arora NARINDER S. ARORA, M.D., Singh TP, Data AK, Singh M, Bawa YS: Augmented histamine test in normal individuals. J Assoc Phys of India 21:361-364, 1973.

Singh A, Arora NARINDER S. ARORA, M.D., Krishan I: The effect of occupational stress on the electrocardiogram of rickshaw pullers. Indian Heart J 24:266-270, 1972.

Singh A, Arora NARINDER S. ARORA, M.D.: Association of polycythemia, polycystic kidneys, diabetes mellitus and portal hypertension. J Indian Med Assoc 61:167-168, 1973.

Arora NARINDER S. ARORA, M.D., Maher-Loughnan GP: The substitution of betamethasone velerate for systemic steroids in chronic asthmatics. Postgraduate Med J 1974:20-22.

Singh A, Arora NARINDER S. ARORA, M.D., Singh J: Oral Chloroquine therapy in premature beats. J Indian Med Assoc 70 (7):17.7-130, Mar., 1978.

Herf SM, Suratt PM, Arora NARINDER S. ARORA, M.D.: Deaths and complications associated with transbronchial lung biopsy. Am Rev Respir Dis 115:708-711, 1977.

Rochester DF, Braun NMT, Arora NARINDER S. ARORA, M.D.: Respiratory muscle strength in chronic obstructive pulmonary disease. Am Rev Respir Dis 119(2):145-150, 1979.

Rochester DF, Arora NARINDER S. ARORA, M.D., Braun NMT, Goldberg SK: The respiratory muscles in chronic obstructive pulmonary disease (COPD). Bulletin de Physiopathologie Respiratoire 15:951-975, 1979.

Arora NARINDER S. ARORA, M.D., Oblinger MJ, Feldman PS: Chronic pleural blastomycosis with hyperprolactinemia, galactorrhea and amenorrhea. Am Rev Respir Dis 120:451-455, 1980.

Rochester DF, Arora NARINDER S. ARORA, M.D.: Respiratory failure from obesity. In Proceedings of the Symposium on Medical Complications of Obesity, Naples, June 15 16, 1978. Academic Press:198, 180-190, 1980. Edited by Mancini and E. Lewis, London.

Arora NARINDER S. ARORA, M.D., Aldrich TK: Letter to the editor. Critical Care Med 9(1): 1980.

Arora NARINDER S. ARORA, M.D., Aldrich TK: Bronchiolitis obliterans from a burning automobile. S. Med Journal 73 (4): 507-510, 1980.

Robbins AW, Arora NARINDER S. ARORA, M.D.: Pulmonary cavitation due to hemophilus influenzae pneumonia in adults. S Med J 74:225-227, 1981.

Andrews BS, Arora NARINDER S. ARORA, M.D., Shadforth MF, Goldberg SK, Davis JS TV: The role of

Arora NARINDER S. ARORA, M.D., Gal TJ: Cough dynamics during progressive expiratory muscle weakness in healthy curarized subjects. J Appl Physiol 51(2):494-498, 1981.

Gal TJ, Arora NARINDER S. ARORA, M.D.: Respiratory mechanics in supine subjects during progressive partial curarization. J Appl Physiol 52(1):57-63, 1982.

Arora NARINDER S. ARORA, M.D., Rochester DF: Effects of body weight and muscularity on human diaphragm muscle mass, thickness and area. J Appl Physiol 52(1):64-70, 1982.

Kim TC, Arora NARINDER S. ARORA, M.D., Aldrich TK, Rochester DF: A study of 92 patients with atypical mycobacterial infection. Southern Med J 74(11):1304-1308, 1981.

Rochester DF, Arora NARINDER S. ARORA, M.D., Braun NMT: Maximum contractile force of human diaphragm muscle, determined in vivo. Transactions of the American Clinical and Climatological Association, #93:200-208, 1981.

Rochester DF, Arora NARINDER S. ARORA, M.D.: The respiratory muscles in asthma. Symposium on Bronchial Asthma: Diagnostic Aspects and Management of Asthma; Laviertes and Reichman, eds. Purdue Fredrick Co., New York, P. 27-38, 1982.

Ruth RA, Arora NS, Gal TJ: Stapedius reflex in curarized subjects - an index of neuromuscular weakness. J Appl Physiol 52(2):416-420, 1982.

Braun NMT, Arora NS, Rochester DF: Force-length relation of the normal human diaphragm. J Appl Physiol 53(2):405-412, 1982.

Cooper JAD, Arora NS: Multiple granular cell myoblastomas of the bronchial tree. Southern Med J

J 75(4):491-492, 1982.

Arora NS, Rochester DF: Respiratory muscle strength and maximum voluntary ventilation in undernourished patients. Am Rev Respir Dis 126:5-8, 1982.

Dee PM, Arora NS, Innes DJ Jr.: The pulmonary manifestations of lymphatoid granulomatosis. Radiology 143:613-618, 1982.

Aldrich TK, Arora NS, Rochester DF: The influence of airway obstruction and respiratory muscle strength on maximum voluntary ventilation in COPD. Am Rev Respir Dis 126:195-199, 1982.

Andrews BS, Arora NS, Shadforth MF, Goldberg SK, Davis JS Jr.: The role of immune complexes in the pathogenesis of pleural effusion. International Synopses: Respiratory Diseases Digest, 11, 1983.

Hill AR, Robbins AW, Messing R, Arora NS: Sleep apnea syndrome following poliomyelitis. Am Rev Respir Dis 127(1):132-133, 1983.

Aldrich TK, Adams JM, Arora NS, Rochester DF: Power spectral analysis of the diaphragm electromyogram before and after fatiguing exercise. J Appl Physiol 54 (1):157-164, 1983.

Adams JM, Aldrich TK, Arora NS, Rochester DF: Multivariate analysis of diaphragm EMG power spectral moments, in press, April 1984.

Rochester DF, Arora NS: Respiratory muscle failure; Symposium on respiratory failure. Medical Clinics of North America:67(3), May 1983.

Arora NS, Rochester DF: Effect of chronic airflow limitation (CAL) on sternocleidomastoid muscle thickness. Chest, in press, 1983.

Arora NS: Respiratory muscle strength and maximal voluntary ventilation in undernourished patients. Bronchoscope 14:5-6, 1983.

Arora NS, Rochester DF: The effect of chronic obstructive pulmonary disease on dimensions of human diaphragm muscle. Chest 91: 719-724. 1987

Abstracts:

Arora NS, Rochester DF: Effect of general nutrition and muscular status on the human diaphragm. Am Rev Respir Dis 115(4):84, 1977.

Braun NMT, Arora NS, Rochester DF: Length-tension relationship of human diaphragm. Clin Res 26(3):538A, 1978.

Arora NS, Suratt PM, Rochester DF: Respiratory muscle and ventilatory function in spinal cord injury. Clin 26(3):443A, 1978.

Arora NS, Rochester DF: Respiratory muscle functions in obesity and obesity hypoventilation syndrome. Clin Res 27(4):394A, 1979.

Andrews BS, Arora NS, Shadforth MD, Goldberg SK: The role of immune complexes in the pathogenesis of pleural effusions. Clin 27(4):Apr, 1979.

Arora NS, Rochester DF: The effect of nutrition on respiratory muscle strength and endurance. Chest 76:344, 1979.

Rochester DF, Arora NS, Goldberg SK, McCormack J, Moore D: Diaphragm energy metabolism in

acute respiratory failure. The Physiologist 22:107, 1979.

Rochester DF, Arora NS, Goldberg SK: Effect of oxygen on diaphragm phosphagen depletion in a canine model of acute respiratory failure. Clin Res 28:431A, 1980.

Arora NS, Gal TJ: Effect of progressive curarization on cough mechanics. Am Rev Respir Dis 123(4):411, 1980.

Suratt PM, Arora NS, Rochester DF: Effect of C5, 6 quadriplegia on forced expired flow rates. Am Rev Res it Dis 121(4), Part 2:411, 1980.

Suratt PM, Arora NS, Dee PM, Atkinson RL: Sleep apnea due to obstruction of the pharynx by the soft palate. Am Rev Respir Dis 123(4):197, 1980.

Gal TJ, Arora NS: Respiratory mechanics during progressive curarization. Am Rev Respir Dis 123(4): 341, 1980.

Gal TJ, Arora NS: Respiratory mechanics during progressive curarization. Anesthesiol&Z 53:S406, 1980.

Arora NS, Rochester DF: Effect of hypoxia and resistive work on diaphragm muscle ATP and glycogen concentration in the dog. Clin Res 29:443A, 1981.

Arora NS, Rochester DF: Effect of chronic pulmonary disease in diaphragm muscle dimensions. Am Rev Resp In Dis. 123:176, 1981.

Aldrich TK, Adams JM, Arora NS, Rochester DF: Power spectral analysis of the diaphragm EMG after fatiguing exercise in normal subjects and patients with COPD. Am Rev Respir Dis 123:177, 1981.

Gal TJ, Arora NS, Ruth RA: Stapedial reflex - an index of neuromuscular weakness. Anesthesiology 55:218A, 1981.

Arora NS, Rochester DF, Croft BY: Effect of hypoxia and resistive work load on diaphragm blood volume. The Physiologist 24:31, 1981.

Aldrich TK, Arora NS, Rochester DF: The influence of airway obstruction and respiratory muscle strength on maximum voluntary ventilation in COPD. Chest, 80:373, 1981.

Koen PA, Arora NS, McBrayer RH, Planas RF: Diaphragmatic fatigue: an animal model. Am Rev Resp Dis (submitted, 1982).

Arora NS, Rochester DF: Effect of chronic obstructive pulmonary disease on sternocleidomastoid muscle. Am Rev Resp Dis 125(4):252, 1982.

Koen PA, Arora NS, Rochester DF, Baker JP, McBrayer RH, Planus RF: Effect of chronic hypophosphatemia on the dog diaphragm. Clinical Research 30:433, 1982.

Arora NS and Rochester DF: Effect of respiratory acidosis and resistive work on diaphragm phosphagen and glycogen concentration in the dog. Clinical Research 30:425, 1982.

Abstracts Accepted for Presentation:

Herf SM, Arora NS, Suratt PM: Deaths and complications associated with transbronchial lung biopsy. Presented at World Conference on Bronchoscopy, February 24, 1977.

Arora NS, Rochester DF: Effect of general nutrition and muscular status on the human diaphragm. Eastern Section American Thoracic Society, September 29, 1977.

Braun NMT, Arora NS, Rochester DF: Length-tension relationship of human diaphragm. Eastern Section - American