

CURRICULUM VITAE

JOHN RANDOLPH FOREHAND, M.D.

Current Position: Director, Southern Appalachian Center
for Pulmonary Studies

Home Address:



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Social Security Number:



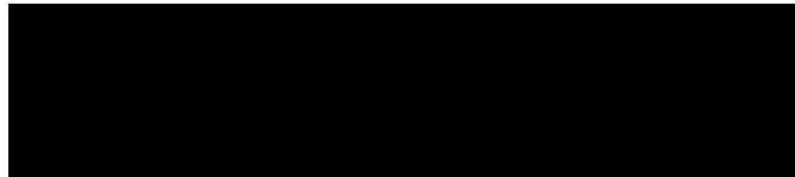
Date of Birth:



Place of Birth:



Marital Status:



Education:	1965-69	B.A.	University of North Carolina
	1970-74	M.D.	University of North Carolina

Postgraduate Training and Fellowship Appointments:

1974-74	Intern in Pediatrics (PL-1), University of Colorado Affiliated Hospitals, Denver, Colorado
1975-76	First year Resident in Pediatrics (PL-2), University of Colorado Affiliated Hospitals, Denver, Colorado
1976-77	Second year Resident in Pediatrics (PL-3), North Carolina Memorial Hospital, Chapel Hill, North Carolina
1977-78	Chief Resident in Pediatrics, North Carolina Memorial Hospital, Chapel Hill, North Carolina
1984-86	Clinical Fellow in Allergy/Immunology, National Jewish Center for Immunology and Respiratory Medicine, Denver, Colorado

1986-88 Research Fellow in Allergy/Immunology/ Pulmonary, The
Children's Hospital of Philadelphia, Philadelphia,
Pennsylvania

Awards and Honors:

1974 Outstanding Student in Psychiatry, University of North
Carolina School of Medicine (George Thrasher Award)

Specialty Certification:

1979 American Board of Pediatrics
(22394, 1/28/79)
1987 American Board of Allergy & Immunology
(2804, 10/5/87)
1988 Board eligible, pediatric pulmonary medicine

Licensure:

North Carolina (19339, 06/13/74) Inactive
Virginia (0101030006, 12/04/78) Active **6/30/22**
Colorado (26354, 10/11/84) Inactive
Pennsylvania (MD-035754-E, 04/30/86) Inactive
West Virginia (20325, 11/13/2000) Active **6/30/22**
Kentucky (38298, 10/21/2003) Active **3/1/23**
Tennessee (50578, 09/24/2013) Active **6/30/22**
Utah (11589717-1205, 12/26/19) Active **1/31/23**
Wyoming (12565A, 01/31/2020) Active **6/30/22**

Previous Professional Activities:

1969-70 High school teacher and football coach, Alamance County,
North Carolina Public Schools
1978-84 Private practice, Department of Pediatrics, Clinch Valley
Physicians, Inc., Richlands, Virginia
1981-84 Chief of Pediatrics, Humana Hospital Clinch Valley,
Richlands, Virginia
1980-83 Board of Directors, Model Comprehensive Program School
for Handicapped Children, University of Virginia

Faculty and Professional Appointments:

1986-1988	Instructor, Department of Pediatrics, University of Pennsylvania School of Medicine
1988-1990	Assistant Professor of Pediatrics, Department of Pediatrics, University of Pennsylvania School of Medicine
1991-present	Medical Director, Respiratory Care Program, Southwest Virginia Community College, Richlands, Virginia
1991-1996	Designated examining physician, State of Virginia Disability Determination Services
1991-2001	Consulting physician, State of Virginia Department of Rehabilitation Services
1991-present	Designated examining physician, United States Department of Labor federal black lung program for Virginia, West Virginia and Kentucky.
1993-present	Certified B X-ray reader, National Institute for Occupational Safety and Health (NIOSH)
2013-	Member, American College of Radiology Pneumoconiosis Certification Program Task Force.

Hospital Appointments:

1988-90	Assistant Physician, Division of Pulmonary Medicine & Allergy, The Children's Hospital of Philadelphia, Philadelphia, PA
1988-90	Director, Asthma Care Program, Children's Hospital of Philadelphia, Philadelphia, PA
1990-	Consulting staff, Clinch Valley Medical Center Richlands, VA
2008-	Courtesy Staff, Lewis Gale Medical Center, Salem, VA

Memberships in Professional and Scientific Societies:

American Academy of Allergy and Immunology
American Academy of Pediatrics

American College of Allergy and Immunology
American College of Chest Physicians
American Medical Association
American Thoracic Society/American Lung Association
Virginia Allergy Society
Virginia Thoracic Society

Editorial Positions:

1988-1992 Reviewer:

 Journal of Immunology
 Infection and Immunity
 Blood
 Journal of Leukocyte Biology
 Pediatrics
 J of Allergy and Clinical Immunology

Lectures by Invitation:

October 27, 1989	"Mechanisms of LPS priming for an enhanced respiratory burst activity in human neutrophils" - New Aspects of Human Polymorphonuclear Leukocytes, University of Freiburg, Freiburg, Germany.
January 10, 1989	"Treatment of asthma," Riddle Memorial Hospital, Department of Pediatrics, Media, PA
November 9, 1989	"Treatment of asthma," Department of Pediatrics, North Penn Hospital, Lansdale, PA
January 26, 1990	"Disorders of neutrophil function," Infectious Diseases 101, University of Pennsylvania School of Medicine
May 6, 1990	"Lipopolysaccharide stimulates phospholipase A ₂ activity in human neutrophils: Possible involvement in priming for an enhanced respiratory burst." American Federation for Clinical Research, Washington, D.C.
May 20, 1990	"Recognition and treatment of asthma," Head Start Program, Philadelphia City Schools

October 11, 1990	"Evaluation of the child with suspected immunodeficiency," Department of Pediatrics Lecture Series, Nassau City Medical Center, Long Island, New York
February 5, 1991	"New Trends in the Management of Asthma" Tazewell County Medical Society, Richlands, Virginia
April 11, 1991	"New Trends in the Management of Asthma" Buchanan County, Virginia Medical Society, Buchanan County Hospital, Grundy, Virginia
May 29, 1991	"New Trends in the Management of Asthma" Russell County Medical Society, Lebanon, Virginia
June 5, 1991	"Recent Advances in the Treatment of Rhinitis" Tazewell Community Hospital, Tazewell, Virginia
October 25, 1991	"Introduction to Body Plethysmography" and "Interpretation of Tests of Pulmonary Function," Virginia Society for Respiratory Care, Blacksburg, Virginia
January 9, 1992	"What Is New in the Diagnosis and Treatment of Asthma," Wise County Medical Society, Norton, VA (Approved for 1 hour CME, American Academy of Family Physicians)
May 12, 1992	"Current Therapy of Asthma," Lonesome Pine Pharmaceutical Association, Norton, VA
August 25, 1992	"New Concepts in the Treatment of Asthma," Harlan County Medical Society, Harlan, KY.
December 4, 1992	"Recognition and Prevention of Lung Disease," Tazewell Rotary Club, Tazewell, VA
October 12, 1993	"Recognition and treatment of asthma in the classroom," Russell County, Virginia, school system principals
October 22, 1994	"Pulmonary Rehabilitation - An Update." Virginia Association of Cardiovascular and Pulmonary Rehabilitation, Roanoke Memorial Hospital, Roanoke, Virginia
October 11, 1995	"Does Coal Dust Cause Lung Disease; 25 Years after the Act," National Institute of Occupational Safety and Health, Morgantown, West Virginia.
April 17, 1996	"Pneumoconiosis: Smokers vs. Nonsmokers." West Virginia Black Lung Clinics Program 8th Annual Conference, Bluefield, West Virginia.
February 14, 1997	"Pneumoconiosis: Smokers vs. Nonsmokers." Virginia Black Lung Association, Richlands, VA
October 2, 1997	"The Chest X-ray in Coal Workers' Pneumoconiosis. Southwest District Society of Radiologic Technologists, Abingdon, VA.

October 7, 1999	"Spirometry Update, 1999." Virginia Society for Respiratory Care, Richlands, VA 24641
October 7, 2000	"Recent Advances in the Treatment of Respiratory Allergies." Tazewell County Medical Society Symposium, Richlands, VA,
October 12, 2000	"The United States Department of Labor Pulmonary Evaluation." National Coalition of Black Lung and Respiratory Disease Clinics, Bristol, VA
December 13, 2000	"The United States Department of Labor Pulmonary Evaluation." Virginia Society of Respiratory Care Western District Meeting, Southwest Virginia Community College, Richlands, VA 24641
September 28, 2001	"Complicated Coal Workers' Pneumoconiosis," Virginia Black Lung Association, Norton, VA, September 28, 2001.
February 27, 2002	ACHronic Obstructive Pulmonary Disease,@ Tug River Federal Black Lung Clinic Community Outreach Program, Gary, WV 24836
October 2, 2002	"The United States Department of Labor Pulmonary Evaluation." The National Coalition of Black Lung and Respiratory Disease Clinics Annual Meeting, Gatlinburg, TN.
May 14, 2003	"Update on the Treatment of Asthma" Tazewell County Medical Society, Richlands, VA
August 27, 2003	"Impact of Allergies on the Control of Asthma." Virginia Society of Respiratory Care Western District. Southwest Virginia Community College, Richlands, VA.
November 4, 2004	"Treatment of COPD" Cedar Bluff, VA.
May 16, 2006	"Update on Coal Workers' Pneumoconiosis: Medicolegal Aspects" Marshall University School of Medicine Outreach Professional Development Event, Bluefield, WV.
September 22, 2006	"Department of Labor Pulmonary Evaluation." National Coalition of Black Lung and Respiratory Disease Clinics annual conference. Nashville, TN
May 12, 2009	"Complicated Black Lung Disease." US Department of Labor District Director's meeting Update on black lung disease Williamsburg, VA
September 28, 2010	"The Federal Black Lung Examination." National Coalition of Black Lung and Respiratory Disease Clinics annual conference. Pigeon Forge, TN.
June 8, 2011	"Reasoned Medical Opinion." West Virginia Black Lung Association Annual Conference, Pipestem State Park, WV

March 16, 2013	"U. S. Department of Labor Black Lung Examination" <i>Black Lung and Pulmonary Impairment</i> . Appalachian School of Law, Grundy, VA
October 5, 2013	Update on Asthma. 13th Annual CME Symposium. Southwest Virginia Community College.

BIBLIOGRAPHY

Original Papers:

1. Forehand JR, Pabst MJ, Phillips WA, Johnston RB, Jr.: Endotoxin priming of human neutrophils for an enhanced respiratory burst: Role of cytosolic free calcium. *J Clin Invest* 83:74, 1989.
2. Finkel TH, Pabst MJ, Suzuki H, Guthrie LA, Forehand JR, Phillips WA, Johnston RB, Jr.: Priming of neutrophils and macrophages for enhanced release of superoxide anion by the calcium ionophore, ionomycin: Implications for activation of the respiratory burst. *J Biol Chem* 262:12589, 1987.
3. Forehand JR, Johnston, Jr., RB, Bomalaski JS: Phospholipase A₂ activity in human neutrophils: stimulation by lipopolysaccharide and possible involvement in priming for an enhanced respiratory burst. *J Immunology* 151:4918, 1993.
4. Marodi L, Forehand JR, Johnston RB, Jr.: Mechanisms of the candidicidal activity of monocytes and monocyte-derived macrophages. *J Immunology*, 146:2790, 1991.

Editorials, Reviews, Chapters:

1. Blenkarn D, Forehand R, McManus TJ: Effects of hyperoxemia on red cell 2,3-diphosphoglycerate and hemoglobin affinity for oxygen in man. In *Proceedings of the Fifth International Congress on Hyperbaric Medicine*, Vancouver, B.C., 1973. WG Trapp, EW Banister, AJ Davison, PA Trapp (eds). Burnaby, B.C., Canada: Simon Fraser University, 1974
2. Forehand JR and Johnston RB, Jr: Phagocytic Defects. *Clinics in Immunology and Allergy* 5:351, 1985.

3. Forehand JR and Johnston RB, JR.: Complement and Phagocyte Function in Health and Disease. In *Allergic Disease from Infancy to Adulthood*, 2nd edition, CW Bierman and DS Pearlman (eds.), W.B. Saunders, Co., Philadelphia, 1988, p. 50.
4. Forrest CB, Forehand JR, Axtell RA, Roberts RL, Johnston RB, JR.: Clinical Features and Current Management of Chronic Granulomatous Disease. *Hematology/Oncology Clinics of North America* 2:253, 1988.
5. Forehand, JR, Nauseef, WM, and Johnston, RB, Jr.: Inherited Disorders of Phagocyte Killing, in *The Metabolic Basis of Inherited Disease*, 7th edition, CR Scriver, AL Beaudet, WS Sly, D Valle (eds.), New York:McGraw-Hill, 1994, p. 3997.
6. Forehand JR, Bomalaski JS, and Johnston RB Jr.: Mechanisms of LPS priming for enhanced respiratory burst activity in human neutrophils. *Advances in Experimental Medicine and Biology*, 297:65, 1991.
7. Johnston, RB, Jr., Baldassano, RN, Forehand, JR, Ueno, N, and MacDermott, RP: The priming of mononuclear phagocytes for an enhanced respiratory burst: Potential for involvement in inflammatory bowel disease. In *Advances in Mucosal Immunology*, Beerse, K., ed., Elsevier, Amsterdam, 1991, p. 585.
8. Marodi, L., Forehand, JR, and Johnston, RB, Jr.: Mechanisms of the candidacidal activity of monocytes and monocyte- derived macrophages: Implications for immunodeficiency disease. In *Immunodeficiency Disease*, H. Chapel and R. Levinsky, eds. Royal Society of Medicine, London, 1991, p. 184.
9. Forehand, JR, Nauseef, WM, Curnutte JM, and Johnston, RB, Jr.: Inherited Disorders of Phagocyte Killing, in *The Metabolic Basis of Inherited Disease*, 7th edition, CR Schriver, AL Beaudet, WS Sly, D Valle (eds.), New York: McGraw-Hill, 1995.
10. Forehand JR and Johnston RB, Jr. Chronic granulomatous disease: Newly defined molecular abnormalities explain disease variability and normal phagocyte physiology. *Curr Opin Pediatr*, 6:668, 1994.

Abstracts:

1. Forehand JR, Pabst MJ, Phillips WA, Johnston RB, Jr.: Endotoxin priming of human neutrophils for an enhanced respiratory burst: Role of cytosolic free calcium. *Fed Proc* 46:2106, 1987.

2. Johnston RB, Jr, Forehand JR, Korchak HM: Priming for an enhanced respiratory burst in neutrophils and activated macrophages: Studies of its molecular basis. *Eur J Clin Invest* 18:A42, 1988.
3. Forehand JR, Johnston RB Jr, Bomalaski JS: Lipopolysaccharide stimulates phospholipase A₂ activity in human neutrophils: Possible involvement in priming for an enhanced respiratory burst. *Clin Res* 38:434A, 1990.
4. Johnston RB Jr, Baldassano RN, Forehand JR, MacDermott, RP. The priming of phagocytes for an enhanced respiratory burst: Potential for involvement in inflammatory bowel disease (IBD). *Sixth International Congress on Mucosal Immunology*, Tokyo, 1990.
5. Forehand JR and Ram K. Cell concentration affects the termination of the respiratory burst in human neutrophils. *Clin Res* 39:439A, 1991.
6. Forehand JR, Pabst MJ, and Abernathy RA. Changes in pulmonary function in nonsmoking coal miners. *Clin Res* 40:411A, 1992.
7. Forehand JR. The effect of coal dust exposure on pulmonary function of nonsmoking coal miners. *Am J Respir Crit Care Med* 149:A403, 1994.
8. Forehand JR, Pabst MJ. The effect of cigarette smoking on the respiratory function of underground coal miners. *Am J Respir Crit Care Med* 153:A474, 1996.
9. Forehand JR. The effects of age, mining experience, and body mass on the exercise alveolar-arterial oxygen tension difference ($p(A-a)O_2$) in nonsmoking underground coal miners. *Am J Respir Crit Care Med* 155:A809, 1997.
10. Forehand JR. The effect of cigarette smoking on the resting heart rate and heart-rate response to exercise in underground coal miners. *Am J Respir Crit Care Med* 157:A884, 1998.
11. Forehand, JR, P McReynolds, R Kennedy. The effect of exercise on arterial PO₂ in disabled nonsmoking coal miners. *Am J Respir Crit Care Med* 165:A531, 2002.

Continuing medical education:

Exercise testing and interpretation, Harbor-UCLA Medical Center, April 4-6, 1991, 17 AMA category I hours

American Lung Association/American Thoracic Society International Conference, Miami, FL, April 16-20, 1992

American College of Radiology Symposium on the Radiology of the Pneumoconioses, Arlington, VA, November 6-8, 15 hours AMA Category I credit

American Lung Association/American Thoracic Society International Conference, San Francisco, CA, May 15-19, 1993

Eighteenth Annual Ear, Nose and Throat Conference, Children's Hospital of Pittsburgh, Pittsburgh, PA, July 30-31, 1993

Small Mine Summit. U.S. Department of Labor, Mine Safety and Health Administration, MSHA Academy, Beckley, West Virginia, April 9, 1994.

Thirty-second Annual Swineford Allergy Conference, University of Virginia School of Medicine, Charlottesville, VA, April 22-3, 1994, 8.5 hours AMA Category I credit.

American Lung Association of West Virginia, Charleston, WV. NIOSH certification to perform and interpret pulmonary function (ventilatory) tests. April 28, 1994.

American Lung Association/American Thoracic Society International Conference, Boston, MA, May 21-25, 1994.

Southwest Virginia Pediatric Conference, Abingdon, VA, August 6-7, 1994. 3.5 hours (East Tennessee State University School of Medicine).

Eighth Annual West Virginia Black Lung Conference, Bluefield, WV. April 17-19, 1996.

American Lung Association/American Thoracic Society International Conference, New Orleans, LA, May 12-13, 1996.

American College of Radiology Symposium on the Radiology of the Pneumoconioses, McLean, VA, October 18-20, 1996. 14 hours Category 1 AMA

American Lung Association/American Thoracic Society International Conference, San Francisco, CA, May 16-21, 1997. 11.5 hours Category 1 AMA.

American College of Allergy, Asthma and Immunology annual meeting, Philadelphia, PA, November, 1998.

Tazewell County Medical Society Symposium, Richlands, VA, October 7-8, 2000. 16 hours Category 1 AMA.

National Coalition of Black Lung and Respiratory Disease Clinics Annual Conference. Bristol, VA October 12-14, 2000.

Swineford Allergy Conference, University of Virginia School of Medicine, Charlottesville, VA, April 20-21, 2001. 8 hours Category 1.

American College of Allergy, Asthma, and Immunology Annual Conference, Orlando, FL, November 15-21, 2001. 54 hours Category 1.

Marshall University School of Medicine. End of Life Care & Pain Management. Welch, WV. December 4, 2001. 2 Category 1 hours.

American Thoracic Society 98th International Conference, May 17-22, 2002, Atlanta, GA
25 hours Category 1 hours

National Coalition of Black Lung and Respiratory Disease Clinics Annual Conference, Gatlinburg, TN. October 1-4, 2002.

Asthma and Allergy: A Hands-On Conference. ETSU, Johnson City, TN; May 29, 2003
4.5 Category 1 hours.

National Coalition of Black Lung and Respiratory Disease Clinics Annual Conference. September 18-20, 2003. Pittsburgh, PA.

AIDS Update. Pikeville Methodist Hospital, Pikeville, KY. September 26, 2003. 2 Category 1 hours.

Virginia Thoracic Society Annual Pulmonary Conference and Research Symposium, Richmond, VA. October 3-5, 2003. 11.5 Category 1 hours

Division of Pulmonary Medicine Postgraduate Course. Duke University Medical Center, Durham, NC. November 1-2, 2003. 11.5 Category 1 hours.

New England Journal of Medicine Weekly CME Program December 31, 2003. 20 Category 1 hours.

West Virginia Physician Update: Pain Management June 10, 2004. 2 Category 1 hours.

Tazewell County Medical Society Annual CME Conference, Cedar Bluff, VA September 11-12, 2004. 16 Category 1 hours.

National Coalition of Black Lung and Respiratory Disease Clinics St. Louis, MO September 23-25, 2004 14.5 hours.

Swineford Allergy Conference. Charlottesville, VA April 15-16, 2005. 8 Category 1 hours.

West Virginia Black Lung Conference Beckley, WV June 15-16, 2005 10 hours

Virginia Thoracic Society Conference Richmond, VA September 16-18, 2005 13.5 hours

University of North Carolina School of Medicine. Audit on Adolescent Care. October 14-15, 2005. 7 hours.

National Coalition of Black Lung and Respiratory Disease Clinics Annual Conference. National Jewish Medical Center, Denver, CO. October 27-29, 2005. 12 hours

American College of Allergy, Asthma and Immunology Annual Meeting Anaheim, CA November 2-9, 2005. 59.75 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 21-23, 2006 Nashville, TN. 11.25 hours

American College of Allergy, Asthma and Immunology Annual Meeting Philadelphia, PA November 9-15, 2006. 64 hours.

West Virginia Black Lung Conference Pipestem, WV June 6-7, 2007 10 hours

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 10-12, 2007 Wheeling, WV 11.25 hours

West Virginia Black Lung Conference Pipestem, WV June 11-12, 2008 10 hours
Southeastern Allergy, Asthma & Immunology Society Hot Springs, VA October 17-18, 2008
10 hours

American College of Allergy, Asthma and Immunology Annual Meeting Seattle, WA
November 6-11, 2008. 59 hours.

American College of Radiology Radiology of the Pneumoconiosis Reston, VA April 24-26,
2009 16 hours

US Department of Labor District Director's meeting Update on black lung disease May 12-13,
2009 Williamsburg, VA 6 hours

West Virginia Black Lung Clinics Update on black lung disease Pipestem, WV June 17-19,
2009 14 hours

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 21-23, 2009 Lexington, KY 11.25 hours

West Virginia Black Lung Clinics Update on black lung disease Pipestem, WV June 9-11, 2010
14 hours

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 27-29, 2010 Pigeon Forge, TN 11 hours

American Thoracic Society International Conference. Denver, Colorado, May 13-18, 2011,
38 hours.

West Virginia Black Lung Association Annual Conference, Pipestem State Park, June 8-10,
2011.

Denny Society Triannual Conference. University of North Carolina School of Medicine, Chapel
Hill, NC. September 23-24, 2011. 5.5 hours.

National Coalition of Black Lung & Respiratory Disease Clinics Annual Conference.
Bloomington, IL October 3-5, 2011. 6 hours.

American Thoracic Society International Conference. San Francisco, CA, May 18-23, 2012, 35 hours.

West Virginia Black Lung Clinics Update on black lung disease Pipestem, WV June 6-8, 2012 11 hours.

Black Lung Clinics Program Meeting Evaluation, Bethesda, MD. September 24-25, 2012, 11 hours.

American Thoracic Society International Conference. Philadelphia, PA, May 17-22, 2013, 35 hours.

West Virginia Black Lung Association Annual Conference, Pipestem State Park, June 5-7, 2013.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 11-12, 2013 Billings, MT 11.5 hours.

West Virginia Black Lung Association Annual Conference, Pipestem State Park, June 4-6, 2014

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 11-13, 2014 Pittsburgh, PA 11.5 hours.

CVMC Annual CME Conference, Richlands, VA October 4, 2014 7 hours.

Appalach. Citizens' Law Ctr Issues in Black Lung Benefits Law KY Bar Assoc.
Hazard, KY March 21, 2015 4 hours

West Virginia Black Lung Association Annual Conference, Pipestem State Park, June 2-4, 2015, 15 hours

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 9-11, 2015 Bristol, VA 14 hours.

West Virginia Black Lung Association annual conference. Pipestem State Park, June 8-10, 2016, 14 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference. September 14-16, 2016 Lexington, KY 14 hours.

NIOSH-Approved Spirometry Training. M. C. Townsend Associates, LLC. February 7, 2017.
6 hours.

West Virginia Black Lung Association annual conference. Pipestem State Park, June 7-9, 2017,
14 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 27-29, 2017, Salt Lake City, UT 14 hours.

SOVAH Health. Managing chronic pain. Clinch Valley Medical Center. November 14, 2017.
2.5 hours.

American Thoracic Society International Conference. San Diego, CA, May 17-23, 2018,
38 hours.

West Virginia Black Lung Association annual conference. Pipestem State Park, June 6-8, 2018,
14 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 26-28, 2018, Chicago, IL 14 hours

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 25-27, 2019, Gatlinburg, TN 12 hours.

American College of Allergy, Asthma, and Immunology Annual Conference. November 7-11,
2019, Houston, TX. 25 hours.

West Virginia Black Lung Association annual conference. WebEx Conference. June 2-12, 2020,
2018, 8 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 23-24, 2020, On line 11 hours.

National Coalition of Black Lung and Respiratory Disease Clinics annual conference.
September 22-24, 2021, On line 14 hours.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

THIS IS TO CERTIFY THAT

John Randolph Forehand, M.D.

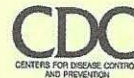
HAS SATISFACTORILY COMPLETED TRAINING/TESTING AND IS A DESIGNATED

B READER

AS STIPULATED IN CFR TITLE 42, PART 37.52,
FEDERAL MINE SAFETY AND HEALTH ACT OF 1977 AND ITS AMENDMENTS*
This Certification will remain in effect from **02/01/2018** until **01/31/2023**



David W. Weissman, MD
Director, Respiratory Health Division, NIOSH



*NIOSH does not regulate or monitor classification of chest images performed for non-NIOSH purposes.