

# Charles Livingston Werntz III, D.O., MPH, FACOEM, FAOCOPM

## EDUCATION

**West Virginia University**, Morgantown, West Virginia  
Masters of Public Health – May 2002  
Concentration in Occupational and Environmental Health  
**Kirksville College of Osteopathic Medicine**, Kirksville, Missouri.  
Doctor of Osteopathic Medicine - June, 1996  
Honors: Student Leadership Award Scholarship 1992-93  
Student Ambassador Award 1996  
**Temple University**, Philadelphia, Pennsylvania  
January 1990 to May 1991. Pre-medical science courses.  
**Montgomery County Community College**, Blue Bell, Pennsylvania  
1987 to 1989. German courses for personal enrichment.  
**Drexel University**, Philadelphia, Pennsylvania  
B.S., Commerce and Engineering - June 1987  
Fields of Concentration - Operations and Human Resources Management  
Honors: Deans List 1985-86.

## POST GRADUATE TRAINING

**West Virginia University**, Morgantown, West Virginia. July 2000 to June 2002  
Residency in Occupational Medicine  
Honors: ACOEM Residents Research Presentation Award  
Chief Resident July 1, 2001 – December 31, 2001  
**West Virginia University**, Morgantown, West Virginia. June, 1997 to June, 2000.  
Residency in Internal Medicine, Primary Care Track.  
Honors: Department of Medicine Community Service Award 1999  
**Community General Osteopathic Hospital**, Harrisburg, PA. July 1996 to June 1997  
Traditional rotating internship with weekly half-day ambulatory care experience.

## EMPLOYMENT

**Morgantown Occupational Medicine, PLLC**, Morgantown, WV  
July, 2018 – Present. Principal, Physician, and Consultant.

- Occupational Medicine consulting, focusing on community exposures, medical monitoring programs, occupational injuries, and diseases
- Regulatory Exams (Senior Aviation Medical Examiner, Commercial Drivers, Medical Review Officer, Respirator Examinations, Civil Surgeon)
- Independent Medical Evaluations (4th, 5th, and 6th editions of AMA Guides)
- Occupational surveillance program design and implementation
- Federal Black Lung Examinations at Preston Memorial Hospital
- Morgantown Clinic at Pro Medical Rehabilitation

**Cabin Creek Health Systems**, Dawes, WV  
July 2018 – Present - Physician (Part time) – performing Department of Labor Black Lung exams.

**National Institutes for Occupational Safety and Health**, Morgantown, WV  
November 2002-Present (Part time). Intermittent Consultant in Surveillance Branch of the Division of Respiratory Health, Coal Worker Health Surveillance Program. Contacting miners with abnormal x-ray finding, and providing physician support for the spirometry surveillance program.

**West Virginia University / West Virginia University Medical Corporation**

October 8, 2021

August 2002 to February 2003. Clinical Instructor

March 2003 to June 2009. Assistant Professor (Clinical Emphasis).

July 2009 – June 2018. Associate Professor (Clinical Emphasis)

- Program Director ACGME Occupational Medicine Residency (2012-2015)
- Clinical care for injured/exposed workers
- Independent Medical Evaluations (4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> editions of AMA Guides)
- Medical support of WVU animal handler & Biosafety health programs
- Medical Review Officer (MROCC)
- FAA Senior Aviation Medical Examiner, FAA Employee Examiner
- Surveillance exams for federal and state agencies
- Program Director – AOA Occupational Medicine Residency 2008-11
- On-site fitness for duty and wellness exams
- DOL Black Lung Examiner (413b)
- Formal Teaching (WVU – for-credit classes):
  - Medical Toxicology for Occupational Medicine Residents
  - Occupational Health Class
  - Small Group Facilitator – MS 1 Clinical Skills Course
  - Global Public Health
- University Biosafety Committee – voting member
- Consultant on health effects of workplace & environmental exposures

**Louis A Johnson VA Medical Center**, Clarksburg, WV

October 2000 to January 2003. Fee-Basis Medical-Officer-of-the-Day. Provide outpatient urgent care and hospital inpatient coverage 1-2 shifts each month.

#### **MG Industries Gas Products**

April 1991 to August 1992. Production Scheduler. – Fairless Hills, PA

Coordinated production schedules, programmed on-site RF data system for a computerized manufacturing management system. Member of company HazMat response team (Specialist in Gases & Cryogenics).

January 1990 to April 1991. Second Shift Supervisor. – Fairless Hills, PA

Responsible for second shift plant operations, 13 direct report employees.

February 1987 to January 1990. Cylinder Control Coord. – Valley Forge, PA

Maximized utilization of a fleet of 300,000 compressed gas cylinders.

#### **General Electric Co Re-Entry Systems Operation**, Philadelphia, PA.

June 1985 to January 1986. Co-op student, Procurement Expediter.

March 1984 to December 1984. Co-op student, Production Controller

December 1982 to June 1983. Co-op student, Laboratory Technician.

#### PROFESSIONAL LICENSES

Osteopathic Medicine - West Virginia 1602  
Osteopathic Medicine - Pennsylvania OS-009608-L

#### PROFESSIONAL CERTIFICATION

Board Certified in Occupational Medicine (ABPM, expires 2023)  
Board Certified in Occupational and Environmental Medicine (AOA, expires 2025)  
Medical Review Officer (MROCC)  
FAA Senior Aviation Medical Examiner Designee  
FAA Employee Examiner Designee  
Certified Driver Medical Examiner (FMCSA/NRCME)  
NIOSH Spirometry Technician  
Breath Alcohol Technician (Phoenix)

Wilderness Command Physician/Wilderness EMT (WEMSI)

FELLOWSHIP

American College of Occupational and Environmental Medicine (2006)  
American Osteopathic College of Occupational and Preventive Medicine (2011)

PROFESSIONAL

Tristate Occupational Medicine Association – President 2009-10, BOD 2006-2017,  
Webmaster and Asst. Treasurer, 2017-present

LEADERSHIP  
ACTIVITIES

Monongalia County Medical Society – President 2009  
American Osteopathic College of Occupational and Preventive Medicine  
Board of Trustees – 2010-2012, 2013-2015  
Education Evaluation Committee Chair 2014-2016  
ACGME Preventive Medicine RRC - Member 7/1/2016-6/30/2022

PROFESSIONAL  
MEMBERSHIPS

American Osteopathic Association.  
Monongalia County Medical Society (currently dormant)  
American College of Occupational and Environmental Medicine  
American Osteopathic College of Occupational and Preventive Medicine

TALKS GIVEN

“Spirometry Update for Occupational Medicine”. Annual Meeting of the American Osteopathic Association (Virtual) October-November, 2021.  
“Challenging Spirometry Cases for the Occupational Medicine Practitioner”. Annual Meeting of the American Osteopathic Association (Virtual) October-November, 2021.  
“Spirometry Update for Occupational Medicine”. Tristate Occupational Medicine Association Annual Meeting – Cleveland, OH. October 1, 2021  
“Obesity and Pulmonary Function Testing (or What Pickwickian Syndrome is, and what it is not). WV Chronic Pulmonary Disease ECHO, May 6, 2019.  
“Black Lung Update”, Fayette County Black Lung Coalition, Scarbro, WV November 13, 2018.  
“Resurgence of Black Lung in Appalachia”. Annual Meeting of the TriState Occupational Medicine Association, Columbus, OH. October 20, 2018.  
“Occupational Health Hazards in ‘Unconventional’ Gas and Oil Production.” PA Health Check-Up Health Impacts of Unconventional Gas Development Industry from Pittsburgh to Philadelphia. Chatham University, Pittsburgh, PA. October 13, 2018.  
“Resurgence of Black Lung in Appalachia”. Annual Meeting of the American Osteopathic Association, San Diego, CA October 7, 2018.  
“Black Lung in West Virginia - 2018”, West Virginia School of Osteopathic Medicine noon lecture series, Lewisburg, WV. May 16, 2018.  
“Full” Pulmonary Function Testing in Assessing Lung Diseases, West Virginia Chronic Lung Disease (Black Lung) ECHO. April 2, 2018.  
“Black Lung – An Introduction for Medical Students”, West Virginia School of Osteopathic Medicine Rural Health Initiative, Beckley, WV. Dec 11, 2017.  
“Mine Rescuer Health Hazards and Drug Testing Update”. Tristate Occupational Medicine Association Meeting; Columbus, OH. October 14, 2017.  
“Post-Explosion Health Hazards for Mine Rescuers and Investigators”, with Anna Allen, MD, West Virginia State Black Lung Conference, Pipestem Resort WV, June 7, 2017  
“Miner Health and Safety and Drug Testing Update”, American Osteopathic College for Occupational and Preventive Medicine Mid-Year meeting, Chattanooga, TN; March 9, 2017.

- “Drug Testing Challenges – 2016”, Bay County Society for Human Resource Management’s Workers’ Compensation & Occupational Healthcare Conference, Panama City, FL, October 13, 2016.
- “Return to Work and Functional Capacity Evaluations”, American Osteopathic College of Occupational and Preventive Medicine mid-year meeting, Fort Lauderdale, March 12, 2015.
- “Return to Work and Healthy Spine Habits”, WVU Spine Conference, Morgantown, WV, October 3, 2014.
- “Human Health Concerns of Working with Research Animals”, Loren Hatch Memorial Lecture for the American Osteopathic College of Occupational and Preventive Medicine mid-year meeting, Tulsa, March 6, 2014.
- “Is this OSHA Recordable?”, Brent Lovejoy Memorial Lecture for the American Osteopathic College of Occupational and Preventive Medicine mid-year meeting, Phoenix, February 13, 2013.
- “Human Health Concerns from Hydraulic Fracturing”, Grand Rounds – Fairmont Clinic, Fairmont, WV. February 29, 2012.
- “Occupational Health Concerns from Hydraulic Fracturing”, 2nd Annual Conference on Health Effects of Shale Gas Extraction, Pittsburgh Graduate School of Public Health, November 18, 2011.
- “Human Health Concerns from Hydraulic Fracturing”, Tristate Occupational Medicine Assn annual meeting, Cleveland, OH. October 22, 2011.
- “Human Health Concerns from Hydraulic Fracturing”, Pennsylvania Occupational and Environmental Medical Society annual meeting, Harrisburg, PA. September 19, 2011.
- “Human Health Concerns from Hydraulic Fracturing”, Cambria-Summerset Health Council CME Conference, Seven Springs, PA. September 17, 2011.
- “Case Studies from Residency” (2 Hour Interactive session) American Osteopathic College of Occupational and Preventative Medicine mid-year meeting, Atlanta, March 2011.
- “Slurry and Tetrayl and Fracking – OH MY! – New Environmental Health Concerns in WV”, WV School of Osteopathic Medicine Mid-Year CME meeting, Charleston, WV, February 2011.
- “Slurry and Tetrayl and Fracking – OH MY! – New Environmental Health Concerns in WV”, Tristate Occupational Medicine Annual Session, Columbus, OH, October 2010.
- “Slurry and Tetrayl and Fracking – OH MY! – New Environmental Health Concerns in WV”, American Osteopathic Association Annual Meeting, San Francisco, October 2010.
- “Finding a Needle in a Haystack – The Search for Jacob Allen in Dolly Sods, October, 2007”, Appalachian Wilderness Medicine Conference, Morgantown, WV, August, 2008.
- “Land Navigation using GPS, map, and compass”, Appalachian Wilderness Medicine Conference, Coopers Rock State Forest, August, 2008.
- “Human Health Concerns for Research Animal Workers” American Osteopathic College of Occupational and Preventative Medicine mid-year meeting, Savannah, GA, March 27, 2008.
- “Cave Rescue”, Appalachian Wilderness Medicine Conference, Morgantown, WV, August, 2007.
- “Land Navigation using GPS, map, and compass”, Appalachian Wilderness Medicine Conference, Coopers Rock State Forest, August, 2007.
- “Occupational Health with research animals”, Occupational Medicine Grand Rounds, July 2007.

International Occupational and Environmental Medicine (2 Hours) for WVU certificate course in tropical and travel medicine, June 2007.

“Respirator Medical Clearance”, American Osteopathic College of Occupational and Preventative Medicine annual meeting, Las Vegas, NV, October 2006

“Wilderness EMS and Field Treatment of Hypothermia”, Appalachian Wilderness Medicine Conference, Canaan Valley, August, 2006.

“International Occupational and Environmental Medicine” (4 Hours) for WVU certificate course in tropical and travel medicine, June 2006.

“What’s new in Spirometry”, American Osteopathic College of Occupational and Preventative Medicine, annual meeting, Orlando FL, October 2005.

“The Community Practitioner’s Role in Outbreak Response”, West Virginia University Public Health Grand Rounds, February, 2005.

“Drug Testing for the non-MRO”, Occupational Medicine Grand Rounds, August, 2004.

“Occupational Health in Chile”, West Virginia University Certificate Course in Tropical Medicine, Morgantown, WV, June 26, 2002.

“Zinc Protoporphyrin Changes Following Acute Lead Intoxication”, American Occupational Health Conference, Chicago, IL April 16, 2002.

“Wilderness Emergency Medical Services”, Marshall University Wilderness Medicine Grand Rounds, Huntington WV, February 21, 2002.

“Medical Mission to Guatemala”, West Virginia University Certificate Course in Tropical Medicine, Morgantown, WV, July 16, 2001.

"Wilderness Emergency Medical Services", West Virginia University Department of Emergency Medicine Grand Rounds, April 20, 2000.

"Case report of gastric ulcerations after electrocution without significant external injury"; American College of Physicians - West Virginia Chapter, Lakeview Resort, Morgantown, WV, May 21, 1999.

COURSE FACULTY American Osteopathic College of Occupational and Preventive Medicine-Basic Course in Occupational Medicine – [Rotating series of 3 sessions, each offered every 18 months]. I provide lectures in all three sessions, including Introduction to Occupational Medicine, Medical Surveillance, Hearing Conservation, Substance Abuse and Drug Testing, Biologic Hazards, Metal Toxicology, Solvent Toxicology, Introduction to Toxicology, Respiratory Hazards, Reproductive Hazards, Facility Walkthroughs, and ADA/FMLA/GINA.

American Osteopathic College of Occupational and Preventive Medicine – Commercial Driver Medical Examiner Course – Course Director, Lead Instructor, and lecturer on diabetes, hypertension, cardiovascular, respiratory, neurologic, and psychiatric diseases, vision, hearing, waivers and the SPE process.

2002 – 2018: WVU Residency program in Occupational Medicine – I provided education sessions on: Medical Surveillance, Hearing Conservation, ADA/GINA/FMLA, Biologic Hazards, Non-Conventional Gas Production, WV Environmental Health "disasters", Return to work and FCEs, Biosafety and Viral Vectors, OSHA Logs, Recordability and Reportability, Drug testing for the non-MRO, Commercial Driver Medical Examiners, Dysbarisms & Altitude, Payors in the US healthcare system, Cultural Competency in WV, coke oven worker surveillance, Benzene medical surveillance, Emergency Response for public health, Firefighter & emergency responder medical standards.

## PUBLICATIONS

Allen, AM, and **Wertz CL**, Respondents, “What are the Potential Health Effects on Mine Rescuers and Investigators After a Mine Explosion?” Journal of

Occupational & Environmental Medicine, Occupational Medicine Forum: May 2017 - Volume 59(5), pp e97–e98. PMID: 28486348

Sully K, Schaefer M, Allen A, **Werntz CL 3rd**, Ma G, Sayeed Y. Musculoskeletal Ultrasound Use Among Occupational Medicine Practitioners at the American Occupational Health Conference. *J Occup Environ Med.* 2016 Aug;58(8):e315-7. PMID: 27501000

Alfaraj WA, McMillan B, Ducatman AM, **Werntz CL 3<sup>rd</sup>**. Tetryl exposure: forgotten hazards of antique munitions. *Ann Occup Environ Med.* 2016 Apr 8. PMID: 27066259

Sayeed Y, Marrocco A, Sully K, **Werntz CL III**, Allen A, Minardi J. Feasibility and Implementation of Musculoskeletal Ultrasound training in Occupational Medicine Residency Education. *J Occup Environ Med.* 2015 Dec;57(12):1347-52. PMID: 26641833

Sayeed Y, , Minardi J, Kurdi H, **Werntz CL 3<sup>rd</sup>**. Musculoskeletal ultrasound in American Occupational Medicine residency programs: a survey of program directors. *J Occup Environ Med.* 2015 May;57(5):e55-6. PMID:25951425

Sayeed Y, Sully K, Allen A, **Werntz CL**. The Emerging Role of Musculoskeletal Ultrasound in Occupational Medicine. Vol 56(12), Dec 2014, p e160. PMID: 25479308

**Werntz CL**, Respondent, “Fitness for Duty Evaluations: How Should Blood Pressure Be Considered?” *Journal of Occupational and Environmental Medicine*, Vol 52(3), pp355-357. (Schwerha J, Forum Editor) PMID: 20216368

Ducatman AM, Jin C, **Werntz CL**. Occupational Toxicology, Chapter in *General and Applied Toxicology*, 3<sup>rd</sup> Edition, Wiley & Sons, London, Nov 2009.

**Werntz CL**, Respondent, “Workers at Height are Required to Use Fall Prevention Systems. What are the Health Risks from Being Suspended in a Harness?” *Journal of Occupational and Environmental Medicine*, Vol 50(7), pp 858-9. (Schwerha J, Forum Editor) PMID: 18617843

Conover K, ..., **Werntz CL**, ..., Chapter “Wilderness” in *Pre-Hospital Trauma Life Support*, 6<sup>th</sup> edition, August 2006. (Listed as contributor to book).

Martin CJ, **Werntz CL**, Ducatman AM “The interpretation of Zinc Protoporphyrin changes in lead intoxication: a case report and review of the literature”, *Occupational Medicine*, Vol 54, No 7, Dec, 2004. PMID: 15576877 Viewable at: <http://occmed.oupjournals.org/cgi/content/abstract/54/8/587?ijkey=41aqXOK0sOfUQ&keytype=ref>

AUTHORSHIP

“Fourteen Year Old Caught in Chain Hoist”, NIOSH FACE report 2001-13 Available at <http://www.cdc.gov/niosh/face/In-house/full200113.html>

ACADEMIC  
ACTIVITIES

Student Ambassador, Kirksville College of Osteopathic Medicine, 1992-96.  
President, Drexel University Amateur Radio Club, 1982 to 1985  
Assistant Chief Engineer, Radio Station WKDU, Drexel University, 1982-88.

COMMUNITY  
ACTIVITIES

Mountaineer Area Rescue Group, Inc. (Appalachian Search and Rescue Conf.)  
Search Manager. 1997-Present

Camp Physician, Camp Mountaineer, Boy Scouts of America, summer  
camps 1998 - present.

Staff Physician – BSA Summit Bechtel Reserve, Glen Jean, WV. 2014-present.

Community Ambulance Association of Ambler, PA. Volunteer

Driver/Attendant (EMT-MAST), 1981 to 1997.

Eagle Scout, Boy Scouts of America.

Amateur Radio Operator, Advanced Class License.

PERSONAL  
DATA

Fluent in English & German.

Functional in Spanish.

Birthplace:

