

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

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### 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

**West Virginia University / West Virginia University Medical Corporation**  
August 2002 to February 2003. Clinical Instructor  
March 2003 to June 2009. Assistant Professor (Clinical Emphasis).  
July 2009 – Present. Associate Professor (Clinical Emphasis)

- Program Director (Interim) ACGME Occupational Medicine Residency
- 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)
- Oversee 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 exams
- Teaching:
  - Medical Toxicology for Occupational Medicine Residents
  - Occupational Health Class
  - Small Group Facilitator – MS 1 Clinical Skills Course
- Consultant on health effects of environmental exposures

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**National Institutes for Occupational Safety and Health, Morgantown, WV**  
November 2002-Present. Intermittent Consultant in Surveillance Branch of the  
Division of Respiratory Disease Studies, contacting miners with abnormal x-  
rays in coal worker health surveillance program.

**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)  
Medical Review Officer (MROCC)  
Senior Aviation Medical Examiner Designee (FAA)  
NIOSH Spirometry Technician  
Breath Alcohol Technician (Phoenix)  
Wilderness Command Physician/Wilderness EMT (WEMSI)  
Advanced Cardiac Life Support, Basic Cardiac Life Support

**FELLOWSHIP**

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

**PROFESSIONAL  
LEADERSHIP  
ACTIVITIES**

Tristate Occupational Medicine Association – President 2009-10  
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-Present

**PROFESSIONAL  
MEMBERSHIPS**

American Osteopathic Association.  
West Virginia Medical Society  
Monongalia County Medical Society  
American College of Occupational and Environmental Medicine  
American Osteopathic College of Occupational and Preventive Medicine

**TALKS GIVEN**

“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 Tetryl 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 Tetryl and Fracking – OH MY! – New Environmental Health Concerns in WV”, Tristate Occupational Medicine Annual Session, Columbus, OH, October 2010.
- “Slurry and Tetryl 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** WVU Residency program in Occupational Medicine – I provide 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, Hunting and fishing (Cultural Competency in WV- also includes use of interpreters), coke ovens surveillance, Benzene medical surveillance, Emergency Response for public health, Firefighter & emergency responder medical standards

American Osteopathic College of Occupational and Preventive Medicine-Basic Course in Occupational Medicine – Rotating series of 3 sessions, I provide lectures in Medical Surveillance, Hearing Conservation, Drug Testing, Biologic Hazards, metal toxicology, Reproductive Hazards, and the ADA/FMLA/GINA.

American Osteopathic College of Occupational and Preventive Medicine – Commercial Driver Medical Examiner Course, lecturing on diabetes, hypertension, cardiovascular, neurologic, and psychiatric diseases

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

Wertz 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.  
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: [REDACTED]