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Engineering & Scientific Consulting

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Professional Profile

Dr. Clarke is a licensed physician, board certified by the American Board of Preventive Medicine in Public Health/General Preventive Medicine. His areas of expertise include health effects of biological, chemical, and nuclear weapons; health effects of indoor mold exposure; the pathophysiology of burns; the epidemic of opioid overdoses; epidemiology; occupational health; international health; and infectious diseases.

Dr. Clarke's clinical experience includes 15 years in a variety of settings ranging from Indian Health Service clinics in Barrow, Alaska, and Pine Ridge, South Dakota, to inner city clinics in Chicago and Baltimore. His clinical experience includes work in both Occupational Medicine and Family Medicine. Prior to receiving his training in Preventive Medicine at Johns Hopkins University, he worked for the Family Medicine Department of the Johns Hopkins Medical Service Corporation gaining experience in rural, suburban, and urban medicine.

Before entering the field of medicine, Dr. Clarke worked for the State of Illinois, Department of Mental Health, at the Institute for Juvenile Research in Chicago, where he designed and conducted research projects as well as performed and interpreted complex statistical procedures. During his residency in Preventive Medicine, Dr. Clarke worked at the Center for Civilian Biodefense at Johns Hopkins. He also continued to gain experience in occupational medicine working with the U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM).

In November 2001, Dr. Clarke completed the United States Army's course in the medical management of biological and chemical casualties given at the U.S. Army's chemical weapons defense research facility (USAMRICD) in Edgewood, Maryland and the U.S. Army's biological weapons defense research facility (USAMRIID) at Fort Detrick, Maryland. Dr. Clarke is an Advanced Disaster Life Support (ADLS) instructor, the AED coordinator for Exponent's Bowie, Maryland office, and a physician volunteer with the Missionaries of Charity caring for AIDS patients in Baltimore.

Academic Credentials & Professional Honors

M.P.H., Public Health, Johns Hopkins University, 2000

M.D., Medicine, University of Chicago, 1983

M.A., Educational Psychology, University of Chicago, 1973

B.A., Sociology, Drew University, 1972

Licenses and Certifications

Certified, American Board of Preventive Medicine

Licensed, State of Maryland Medical Board (MD)

Certified Medical Review Officer (MRO)

Professional Affiliations

American College of Occupational and Environmental Medicine

American College of Preventive Medicine

International AIDS Society

National Disaster Life Support Education Consortium

Publications

Clarke CC, Roberts MA. Epidemiology Basics. In: Walsh DM, Tarry SL, eds. Infectious Disease Litigation: Science, Law, and Procedure. American Bar Association. Chicago. 2021: 21-49.

Anderson EL, Turnham P, Griffin JR, Clarke CC. Consideration of the Aerosol Transmission of COVID-19 and Public Health. Risk Analysis 2020; 40(5): 902-907.

Clarke CC, Mowat FS, Kelsh MA, Roberts MA. Pleural plaques: a review of diagnostic issues and possible nonasbestos factors. Archives Environ Occup Health 2006; 61(4):183-192.

Goodman M, LaVerda N, Clarke C, Iannuzzi J, Foster ED, Mandel J. Neurobehavioral testing in workers occupationally exposed to lead: systematic review and meta-analysis of the published literature. Occup Environ Med 2002; 59:217-223.

Lessing EE, Clarke CC. Reliability and validity of IJR behavior checklist scores: Number vs. pathology level of symptoms. J Abnor Child Psych 1982; 10(3):337-362.

Lessing EE, Clarke CC, Gray-Shellberg L. Black power ideology-rhetoric and reality in a student sample. Int J Intercult Relations 1981; 5:71-94.

Lessing EE, Clarke CC. Scaling clinical judgments of symptom pathology by means of the psychophysiological method of magnitude estimation. J Abnor Child Psych 1980; 8(3):351-376.

Lessing EE, Clarke CC. An attempt to reduce ethnic prejudice and its correlates in a junior high school sample. Educat Res Quarterly Summer 1976; 1(2).

Presentations and Non-Peer Reviewed Articles

Clarke CC, Holshouser R. Insight into the Medicine of Opioids and the Litigation that Follows. Presented at the 2019 CLM Networking Event on September 9, 2019 in Baltimore, Maryland.

Clarke CC. Chemical Weapons—Clinical Aspects. Presented at the American Occupational Health Conference of the American College of Occupational and Environmental Medicine in Anaheim, California, April 30, 2019.

Clarke CC, Sly JT. Opioids: What Lawyers Need to Know. Presented at a luncheon seminar of the Maryland Defense Council, Inc. in Baltimore, Maryland on February 27, 2019.

Clarke CC, Marquis MA, McDonough JJ. The Opioid Epidemic impact on the insurance industry. Presented at a luncheon seminar at the offices of Allied World, New York, NY, July 2018.

Clarke CC, Malzahn DD. Indoor mold: the misuse and misinterpretation of research technologies. Defense Trial Counsel of West Virginia Newsletter. Winter 2017.

Malzahn DD, Clarke CC. Mold and faulty science, the beat goes on and on and on. MDTC e-letter, March 2014.

Gavelli F, Clarke, CC. Fire and toxicology aspects of polyurethane foam. Presented at the Technical Forum of the Polyurethane Foam Association, Washington, DC, May 2005.

Clarke CC. Food and terrorism: Terror at the table. Presented at the American Occupational Health Conference of the American College of Occupational and Environmental Medicine, Washington, D.C., May 2005.

Clarke CC. Facts about Tularemia. Biodefense Quarterly 2001; 3:3.

Clarke CC, Ball R, Braun M. Characteristics of VAERS reports for Lyme Vaccine in people with DR4 HLA type. Presented at the monthly joint meeting of the NIH and FDA vaccine safety committee, Rockville, MD, December 2000.