

## 15<sup>th</sup> Annual Joseph W. Howe Oration in Diagnostic Imaging



**“Cervical spine pain in the concussion patient. Discussion of the current literature”**

**Presented By:**  
**Jeffrey King, DC, MS**  
Director of Chiropractic  
Associate Professor  
Medical College of Wisconsin  
Department of Neurosurgery – SpineCare

Friday, July 15, 2022  
11:30 a.m.  
Logan University  
Chesterfield, Missouri  
Classroom G-134

## JOSEPH W. HOWE, DC, DACBR, Fellow, ACCR



There are few members of the American Chiropractic College of Radiology whose careers have been as influential as that of Joseph W. Howe, DC, DACBR. For more than six decades, Dr. Howe, has distinguished himself by his contributions as a clinician, radiologist, educator, researcher, and mentor in the field of modern chiropractic radiology. His passion for academic excellence, critical scientific insight and professional advancement has left an indelible impact on the chiropractic profession. His influence is felt daily by the numerous residents, whom he has trained, and who themselves have become inspirational leaders in the chiropractic profession.

Dr. Joseph W. Howe has given the American Chiropractic College of Radiology and the chiropractic profession a legacy of unparalleled achievement as a role model and mentor for several generations of chiropractic radiologists. His name will always be associated with the incredible progress of chiropractic radiology in the 20<sup>th</sup> century. The Joseph W. Howe Oration in Diagnostic Imaging is designed to honor his extensive contributions to and achievements in the education, research and practice of chiropractic radiology.

## NORMAN W. KETTNER, DC, DACBR, FICC



Norman W Kettner, DC, DACBR DCBCN FICC is the Dean of Research and Emeritus Professor of the Department of Radiology at Logan University. Dr Kettner has been a faculty member since 1980 and was department chair for 35 years. In addition to training and expertise as a board-certified radiologist and neurologist, Dr Kettner has developed experience in the tools of functional neuroimaging including fMRI, MEG and PET. In 2001, Dr Kettner formed a research collaboration with the Athinoula A Martinos Center for Biomedical Imaging of Massachusetts General Hospital, the largest teaching hospital of Harvard Medical School. The research objectives were to investigate the brain's responses to acupuncture in patients with chronic pain and carpal tunnel syndrome. Recently, spinal manipulation in patients with cLBP has been investigated using advanced functional neuroimaging. This collaboration has yielded numerous high impact factor publications in top-ranked radiology, neurology and pain research journals including NeuroImage, Human Brain Mapping, PAIN and BRAIN. Dr Kettner has authored over one-hundred publications and eleven textbook chapters.

## JEFFREY KING, DC, MS



Dr. Jeffrey King is the director of chiropractic at the Medical College of Wisconsin in the department of neurosurgery. He sees patients at the "SpineCare" clinic. In addition to his clinical duties, he serves on many service line committees within the health care system and was previously the chair of the chiropractic examining board. Dr. King's research interests are on the impact of cervical spine pain in concussion patients.

# Joseph W. Howe

## Oration in Diagnostic Imaging

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### Past Speakers

July 30, 2021	Matthew Gornet, MD
Oct. 20, 2020	Vitaly Napadow, PhD, LicAc
May 30, 2019	Michael S. Montlione, MD, DACR, DC, DACBR
May 31, 2018	Gary M. Guebert, DC, DACBR
May 25, 2017	Terry R. Yochum, DC, DACBR, Fellow, ACCR, FICC James M. Cox, I, DC, DACBR, FICC Norman W. Kettner, DC, DACBR, FICC, DCBCN
May 26, 2016	Joseph W. Howe, DC, DACBR, Fellow, ACCR
May 28, 2015	Victor Tong, DC, DACBR
May 29, 2014	Lawrence H. Wyatt, DC, DACBR, FICC
May 30, 2013	Anita L. Manne, DC, DACBR
May 31, 2012	John A. M. Taylor, DC, DACBR
May 26, 2011	Victor Tong, DC, DACBR
April 8, 2010	Sharon A. Jaeger, DC, DACBR
April 2, 2009	Reed Philips, DC, DACBR, PhD
April 3, 2008	Terry R. Yochum, DC, DACBR, Fellow, ACCR, FICC James M. Cox, I, DC, DACBR, FICC Norman W. Kettner, DC, DACBR, FICC, DCBCN

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