

## Joseph H. Holmes Clinical Pioneer Award

The Pioneer Award, which honors individuals who have significantly contributed to the growth and development of medical ultrasound, was established in 1977. This special award was renamed in 1982 to honor Joseph H. Holmes, MD, who died that year. Dr Holmes, the first person named as an AIUM pioneer, was an important figure to both the field of diagnostic ultrasound and the AIUM. His early efforts in ultrasound research, which included tissue characterization and ultrasound's diagnostic use in polycystic kidney disease and orthopedics, helped advance the field of ultrasound and encourage others to conduct new research. Serving the AIUM in many capacities, Dr Holmes was president from 1968 to 1970 and was editor of the AIUM's official journal, which was then titled the *Journal of Clinical Ultrasound*, for nearly 10 years. Each year the Joseph H. Holmes Pioneer Award honors at least 2 current or retired AIUM members for their work in clinical science or basic science.



### William D. Middleton, MD

Dr Middleton is so phenomenal in his work that several entities have had the same idea, to honor him. He has received the Distinguished Teacher of the Year Award/Teacher of the Year Award from the Mallinckrodt Institute of Radiology 6 times. He has received 2 awards for his editorial expertise, and he has been designated as a fellow of both the Society of Radiologists in Ultrasound and the American College of Radiology. Since 2001, he has been on the Best Doctors in Saint Louis list. Dr Middleton has also received the Lifetime Service Award from the American Board of Radiology, Award for Outstanding Research in Orthopedic Surgery from the International Congress on Shoulder Surgery, and the Distinguished Clinician Award from Washington University in St Louis, just to name a few.

Dr Middleton obtained his BSE and MD degrees from Duke University in 1977 and 1981, respectively. He completed his residency in diagnostic radiology at the Mallinckrodt Institute of Radiology at the Washington University School of Medicine. Shortly after that, he completed his fellowship in digital imaging at the Medical College of Wisconsin. He is currently a professor of radiology at the Mallinckrodt Institute of Radiology at the Washington University in St Louis School of Medicine

Not only has Dr Middleton been an exceptional educator for more than 30 years, he has also volunteered his time in numerous capacities. His dedication to the field of ultrasound is astounding. He was chairman of the committee that wrote the original computer-based American Board of Radiology certifying examinations for ultrasound. Dr Middleton has held more than 10 auxiliary roles with the Society of Radiologists in Ultrasound, from secretary to executive Board member and everything in between. He has served in various editorial capacities on 6 different journals for 25 years, ranging from an associate editor to a consultant to an editor. His textbook, *Ultrasound: The Requisites*, in its third edition in 2016, is considered the core text for ultrasound training.

Since performing the seminal research on shoulder sonography as a resident, he has passionately promoted musculoskeletal ultrasound nationally. His reputation led to his invitation to provide

ultrasound imaging for injured athletes at the 2002 Olympic Games. His research and lectures have led to increases in the use of Doppler imaging to study the abdominal vasculature and the use of ultrasound to guide percutaneous needle biopsies throughout the body. Most recently, his work has been instrumental in developing guidelines for the management of thyroid nodules.

The AIUM is so grateful for his service. He has contributed to *the AIUM Practice Parameter for the Performance of a Thyroid and Parathyroid Ultrasound Examination* and the *AIUM Practice Parameter for the Performance of a Musculoskeletal Ultrasound Examination*. He has used his editorial skills by serving as a deputy editor of the *Journal of Ultrasound in Medicine*. Dr Middleton has also participated as the course director for the *Educational Course on Color Doppler Sonography* and has been an active contributor on the Scientific Review Committee.

Dr Middleton has been influential in organizing and conducting effective scientific and educational meetings as an Annual Convention Committee member. He has also used his expertise to collaborate as a member of the Clinical Standards Committee. While on this committee, he has helped promote the writing and review of standards and guidelines for sonographic examinations. Through this committee, he has produced and supported the development of technical bulletins, monographs, and other scientific and informational resources for the AIUM membership and other health care professionals.

