

The Changing Paradigm of Diagnosis and Treatment of MPS Disorders for the Paediatric Orthopaedic Surgeon

Speaker: Klane K. White

Klane K. White, MD, MSc is Chair of the Department of Paediatric Orthopaedics and the Rose Brown Endowed Chair of Paediatric Orthopaedic Surgery at Children's Hospital Colorado. He is Professor of Orthopaedics and Vice Chair in the Department of Orthopaedics at the University of Colorado School of Medicine, where he is also Professor of Genetics and Metabolism in the Department of Paediatrics.



Dr. White is a graduate of the University of Southern California where he earned his bachelor and master's degrees in Biology and Biological Oceanography, respectively. He received his Doctor of Medicine from the George Washington University in Washington, DC. Dr. White completed his surgical internship and orthopaedic surgery residency at the University of California San Diego, as well as a two-year NIH sponsored fellowship in orthopaedic research. He received advanced fellowship training in paediatric orthopaedics and scoliosis at Texas Scottish Rite Hospital for Children.

A renowned leader in his field, Dr. White is an internationally recognized expert and advocate in the care of mucopolysaccharidosis and skeletal dysplasia. He serves on the Medical Advisory Board of Little People of America, the Scientific Advisory Board of the National MPS Society, and is a principal investigator for multiple international research studies on emerging treatments in rare disease. Dr. White is also a Principal Researcher and Research Interest Group leader in the [Paediatric Spine Study Group](#), and an executive founding member and current president of the [Skeletal Dysplasia Management Consortium](#).

In addition to skeletal dysplasia and the mucopolysaccharidoses, Dr. White's clinical and research interests also include the diagnosis and management of early onset scoliosis, metabolic bone disease, and complex spine deformity. A key opinion leader in these fields, he trains residents, fellows, visiting scholars, and lectures around the globe on the diagnosis and orthopaedic management of rare disease.

Dr. White has authored more than 100 peer-reviewed publications, review articles and book chapters, and serves as a standing reviewer for both orthopaedic surgery and rare disease journals. He is a fellow of the American Academy of Orthopaedic Surgeons, the American Orthopaedic Association, the American Academy of Paediatrics, and a diplomate of the American Board of Orthopaedic Surgery. His professional affiliations also include active membership in the Paediatric Orthopaedic Society of North America and the Scoliosis Research Society. Distinctions include the Paediatric Orthopaedic Society of North America/European Paediatric Orthopaedic Society Traveling Fellowship, the Scoliosis Research Society Edgar Dawson Traveling Fellowship, and the Paediatric Orthopaedic Society of North America Angela S.M. Kuo Memorial Young Investigator Award.