ABSTRACT

Dr. Alberts research in concussion is focused on understanding the relationship between the biomechanics of the impact force and the behavioral and physiological consequences of these impacts. He has developed a suite of mobile application modules for the collection of objective and quantitative data to determine the athlete specific effects of concussion on cognitive and motor functioning. Data from these modules are integrated into the Cleveland Clinic Concussion CarePath across the CCHS enterprise to ensure consistency of evaluation and care of patients with concussion or mTBI. In his role within Clinical Transformation he is leading the efforts around health enabling technology and clinical intelligence.

ABOUT DR. ALBERTS

Jay L. Alberts, Ph.D., is the Vice Chair of Clinical Transformation, Director of the Cleveland Clinic Concussion Center and holder of the “Edward F. and Barbara A. Bell Family Endowed Chair.” Dr. Alberts is a Staff member within the Department of Biomedical Engineering. He also is a Principal Investigator within the Functional Electrical Stimulation Center of Excellence at the Louis Stokes VA Medical Center. He also holds an appointment in the Department of Biomedical Engineering at Case Western Reserve University. Dr. Alberts is currently the PI on three NIH R01 clinical studies and a VA Merit Award aimed at determining the effects of unilateral and bilateral deep brain stimulation on PD symptoms and the effectiveness of assisted compared to voluntary exercise in Parkinson’s disease patients.