



Prof. Dr. Arman DAĞAL

Prof. Dr. Arman Dağal is an internationally specialized academician and clinician in the fields of neuroanaesthesiology and perioperative neuroscience, currently serving at the University of Miami Miller School of Medicine. He holds the leadership position of Chief of the Division of Neuroanaesthesiology and Perioperative Neuroscience at the university, while also serving as the Director of the Neuroanaesthesiology Fellowship Program and holding the title of Professor in the Departments of Anaesthesiology and Neurosurgery. His clinical and academic responsibilities focus on optimizing perioperative management for patients undergoing brain and spinal cord surgery, developing anaesthesia protocols for traumatic brain and spinal cord injuries, and improving care models for high-risk neurological patients. His areas of expertise include neuroanaesthesia applications in traumatic brain and spinal cord injuries, spinal cord blood flow and autoregulation mechanisms, neurophysiology, and neuropharmacology. In his clinical research, he focuses specifically on improving neurological outcomes in traumatic situations, the preservation of brain and spinal cord tissue, and the development of high-value care models in perioperative processes. Additionally, he develops approaches to increase equity, accessibility, and quality in healthcare services; he is also specialized in topics such as organization, leadership, and system readiness in disaster and trauma management. Prof. Dağal has held significant positions in esteemed international organizations within his field. He is among the founding members of the Trauma Anaesthesiology Society and has previously served as the President of the society. Furthermore, he has represented the American Society of Anaesthesiologists (ASA) on the American College of Surgeons Committee on Trauma and has provided scientific contributions as an active member of SNACC (Society for Neuroscience in Anaesthesiology and Critical Care), one of the leading scientific organizations in neuroanaesthesiology and intensive care. He contributes to shaping the literature and enhancing scientific quality by serving as a reviewer for numerous prestigious scientific journals. Distinguished by his academic productivity, Prof. Dağal has authored various book chapters, peer-reviewed articles, and scientific reports in the fields of neuroanaesthesiology, trauma care, neuropharmacology, and perioperative

neuroscience. By integrating both experimental and clinical methods in his research, he develops innovative approaches for preventing neurological complications and improving perioperative outcomes. The Master of Health Administration (MHA) degree he earned from the University of Washington has provided him with a strong perspective on the organization, financing, and management of healthcare services, contributing a strategic decision-making dimension to his clinical leadership roles. Prof. Dr. Arman Dağal continues his work as an internationally recognized expert in the perioperative management of trauma and neurological diseases, demonstrating strong leadership at both clinical and academic levels. Through his scientific contributions, his role as an educator, and his approach prioritizing quality and equity in healthcare, he is an exemplary figure in his field.