JOHN J. KNIGHTLY, MD

Dr. Jack Knightly received his Bachelor of Arts from Franklin and Marshall College, Lancaster, PA, and his MD from The University of Medicine and Dentistry of New Jersey in Newark, NJ. His post-graduate training and residency training were completed at the Bethesda Naval Hospital, Bethesda, MD. Dr. Knightly completed a research fellowship in the surgical neurology branch of the National Institutes of Health and in pediatric neurosurgery at The Children's Hospital in Boston, MA. He completed advanced training in trauma at the Shock-Trauma Center in Baltimore, MD. In addition, Dr. Knightly completed a Fellowship in Complex Spine with Dr. Volker Sonntag at The Barrow Neurological Institute in Phoenix, AZ. He achieved Board Certification in 1998 from the American Board of Neurological Surgeons.

Dr. Knightly is the Director of Neurosurgery at Morristown Memorial Hospital and the Vice-Chairman of Atlantic Health Institute, where he also serves as the Medical Director of the neuro-spine team.

Dr. Knightly was named one of the "20 Surgeon Leaders in Independent Spine & Neurosurgical Groups" by Becker's Orthopedic, Spine & Pain Management Review. He is consistently listed as one of the Best Doctors in America and New Jersey and is included in "Who's Who in America."

Atlantic NeuroSurgical Specialists

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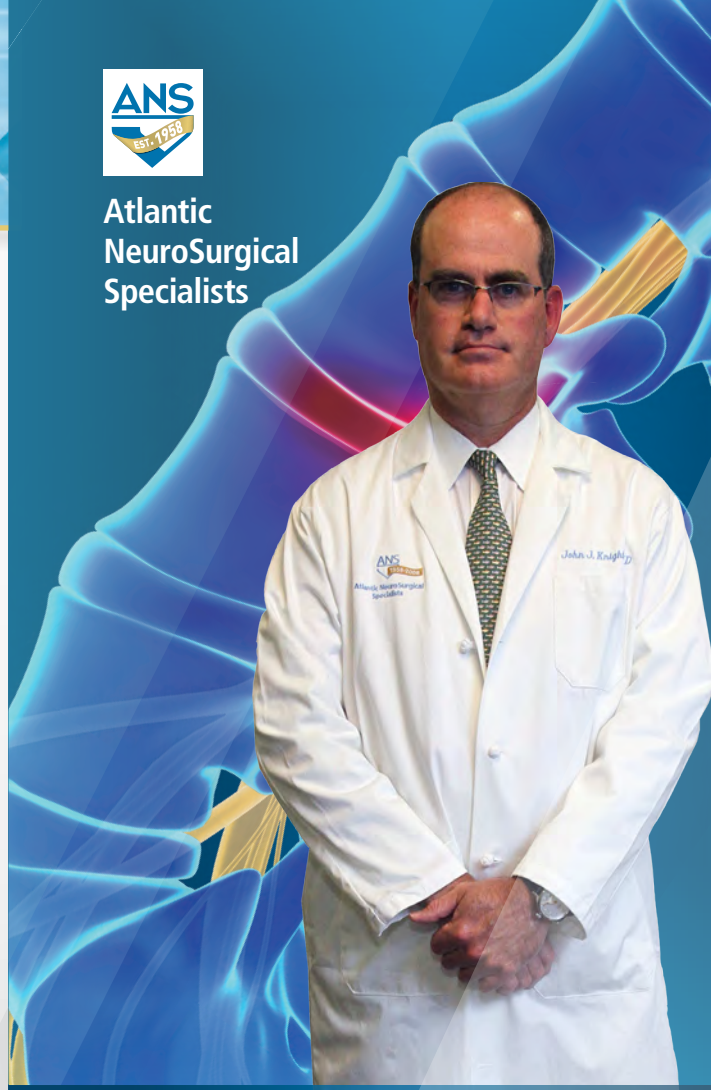

DR. KNIGHTLY

Making next-generation treatments possible.

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ATLANTIC NEUROSURGICAL SPECIALISTS (ANS) IS THE LARGEST SUBSPECIALIZED NEUROSURGICAL GROUP IN NJ. OUR TEAM OF BOARD CERTIFIED AND FELLOWSHIP-TRAINED SURGEONS ARE LEADERS IN ADVANCED THERAPIES FOR BRAIN AND SPINE DISORDERS.

INNOVATION IN SPINE SURGERY

Dr. Knightly is a renowned neurosurgeon fellowship-trained in complex and minimally invasive spine surgery. He has the advanced training to understand the intricate relationship between the spine and the complex network of nerves that make up the spine cord. Understanding this interrelationship between the structural aspects of the spine and the nervous system allows the neurosurgeon to fine-tune a patient's diagnosis, develop the most appropriate and least invasive treatment option, and perform complex surgeries involving the spine and spinal cord.

SPECIALTIES

ANS incorporates the latest technological advancements to provide the best and safest outcomes for our patients.

Procedures:

- Minimally invasive spine surgery
- Complex spine surgery
- Disc replacement

Conditions Treated:

- General back pain
- Sciatic nerve pain
- Cervical disc herniation
- Lumbar disc herniation
- Lumbar stenosis
- Spinal fracture
- Spinal tumors
- Compression fractures

MINIMALLY INVASIVE PROCEDURES

With the use of small incisions, customized instruments, and innovative imaging techniques, these minimally invasive procedures enable the patient to get back to their normal activities sooner than with conventional surgery. Dr. Knightly has been a leading proponent and developer of minimally invasive spinal surgical techniques.

ANS SPORTS CONCUSSION CENTER

Dr. Knightly is a co-director of the ANS Sports Concussion Center which specializes in sports-related and other mild traumatic brain injuries. Their services include detailed screening and assessment of concussions, including computerized neuropsychological testing, and the treatment, evaluation, and follow-up of these disorders. Additional computerized neuropsychological testing is also inorporated as needed.

PATIENT-DRIVEN CARE

Dr. Knightly is the chairman of the Quality Improvement Workforce for the American Association of Neurological Surgeons - Congress of Neurological Surgeons Joint Spine Section (AANS/CNS) Washington Committee and is dedicated to the National Neurosurgery Quality and Outcomes Database (N²QOD). This database monitors quality outcomes nationally to ensure the best care practices are performed within the cerebrovascular population of patients.