



About The Society of NeuroInterventional Surgery (SNIS)

The Society of NeuroInterventional Surgery (SNIS) is a scientific and educational association, made up of neurointerventional surgeons, dedicated to advancing the specialty of neurointerventional surgery through research, standard-setting and education and advocacy in order to provide the highest quality of patient care in diagnosing and treating diseases of the brain, spine, head and neck.

Neurointerventional surgery is not the appropriate treatment for every individual patient case, but it can be a life-saving treatment for some patients, such as during a stroke in which a large artery is blocked. Neurointerventional surgeries have been proven as viable and effective therapies that offer patients many benefits over traditional treatments, including shorter recovery times, fewer complications and reduced post-operative pain.

The strength of SNIS comes from the diversity of its members, who are world leaders providing resources for physicians providing neurointerventional management to patients. SNIS draws its members from three subspecialties:

- **Interventional neuroradiology:** A subspecialty within radiology that uses catheters and imaging to diagnose and treat diseases of the brain, spine, head and neck.
- **Endovascular neurosurgery:** A subspecialty within neurosurgery that uses catheters and imaging to diagnose and treat diseases of the brain, spine, head and neck.
- **Interventional neurology:** A subspecialty within neurology that uses catheters and imaging to diagnose and treat diseases of the brain, spine, head and neck.

Supporting Research

SNIS supports research on the comprehensive management of all minimally invasive image-guided procedures of the head, neck and spine. Its *Journal of NeuroInterventional Surgery (JNIS)* is a leading peer review journal for scientific research and literature pertaining to the field of neurointerventional surgery. The journal follows growing professional interest in neurointerventional techniques for the treatment of a range of neurological and vascular problems including stroke, aneurysms, brain tumors, and spinal compression.

The NeuroVascular Quality Initiative (NVQI) is a new national registry to measure performance and outcome data across a wide-range of neurovascular conditions, including stroke and aneurysms. The national registry offers practitioners and hospitals a quality tool that allows for better data analysis, a critical component in understanding what works well and where improvements are needed. As insurers add quality patient outcomes as a factor in reimbursement decisions, hospitals and physicians are increasingly required to demonstrate their success. The national registry can alleviate the time and resources needed to develop databases and metrics by providing one comprehensive framework to consistently track and streamline all of the necessary data pertaining to neurovascular treatment.



Advancing Excellence

In a relatively young and rapidly changing field, SNIS advances excellence in the clinical practice of neurointerventional surgery with professional standards of practice, training and ethics.

SNIS has developed general standards to define principles of practice that will produce high quality care and provides guidance on standardized techniques, procedures and practices in the field, not only to improve health care outcomes but also to define the core practice from which this specialty can build and grow. Innovation must continue; however, the core practice should be clarified and codified to create a stable source for peer review, comparison and improvement. Standards and guidelines are important to form the basic language for dialogue and reporting and to establish the reference from which recommendations for future investigation can be made.

SNIS has developed standards for performance of endovascular ischemic stroke therapy that represent a multi-disciplinary effort to reduce death and disability from this condition. The guidelines intend to encompass the training and experience of all physicians involved in the care of patients with vascular diseases of the brain and neck regardless of medical specialty.

SNIS has developed guidelines for the endovascular treatment of head and neck tumors, including indications for treatment as well as standards for reporting outcomes and complications of embolization techniques. The aim of these guidelines is to provide uniform definitions and standards to allow for comparisons between studies. Advances in technique and embolization materials as well as the availability of experienced operators are likely to expand the number of preoperative embolization procedures performed. The management of vascular head and neck tumors is often challenging and may require a multimodal approach to treatment.

Medical education credits are offered by SNIS at its annual meeting that hosts practitioners from around the world. SNIS also offers a separate fellows course for the newest members of the field. SNIS seeks to ensure that current and future practitioners are provided with the training and education that they need to offer the most effective treatment solutions to their patients.