

Saint Clare's Hospital welcomes ANS to Denville.

Celebrating 50 years in practice, Atlantic NeuroSurgical Specialists has opened a new office at 16 Pocono Road, Suite 103, Denville.

ANS now brings to western Morris and Sussex and Warren Counties the knowledge, experience and innovative surgical techniques you'd expect to only be available in a major city.



- ▼ Largest neurosurgical group in New Jersey with over 175 years of combined surgical experience
- ▼ Clinical specialties include minimally invasive and complex spine surgery, brain/spine tumors, neurovascular diseases, endovascular neurosurgery and pediatric neurosurgery
- ▼ Ground breaking Merci® Retrieval System that allows patients to receive treatment hours after a stroke
- ▼ Leading technology CyberKnife® that provides millimeter accuracy and less patient recovery time
- ▼ Affiliations with Saint Clare's Hospital, Morristown Memorial Hospital and Overlook Hospital

To schedule an appointment, please call us at 973.285.8080 or visit our website at www.atlanticneurosurgical.com.

Q&A

Q: What are the different types of brain tumors and how are they treated?

A: There are many different types of brain tumors, and they can be benign or malignant. Brain tumors can arise from brain tissue itself, or can spread from other parts of the body. Depending on the patient's condition and the tumor's type, size and location, there are different treatment options available. The treatment types include surgical removal or biopsy, radiation therapy and chemotherapy. A patient's treatment may include one or a combination of these.

Q: What are cerebral aneurysms and how are they treated?

A: Cerebral aneurysms are weakened points in a blood vessel that feeds the brain. These areas balloon outward and can rupture, causing severe bleeding and stroke. Unfortunately, most patients with aneurysms don't know they have one until it bleeds. Aneurysms may also be discovered unexpectedly on an MRI or arteriogram being performed for another reason. Aneurysms can be treated through surgery.

Q: What is carotid stenosis and how is it treated?

A: Carotid stenosis is a narrowing of one of the major blood vessels that feeds the brain. The narrowing can cause strokes. For some patients, surgical treatment of this condition is better than medical treatment alone (i.e. taking a blood thinner). Surgery involves removing the plaque within the wall of the artery, creating more room for the blood to flow freely.

Q: What is a CAT scan, and how does it differ from an MRI?

A: A CAT scan provides a computer image of an interior cross-section of the body. The brain is one area of the body commonly diagnosed by CAT scan. An MRI provides a computerized image similar to the CAT scan, but utilizes magnetic waves to produce a picture of the body's interior.

Q: What is an arteriogram?

A: An arteriogram is used in the study of cerebral vessels. A catheter is inserted into the femoral artery, and then dye is injected to view the vessels in the neck and brain. An arteriogram is used to locate aneurysms, tumors and carotid stenosis.

What's up Doc?

Edward J. Zampella, MD, FACS



Dr. Zampella's specialties include Spinal Cord Stimulation/ Intra-spinal Drug Infusion, Neurosurgical Treatment of Movement Disorders, Epilepsy, Stereotactic Radiosurgery, Pediatric Neurosurgery, Brain and Spinal Tumors, Spina Bifida, Endoscopic Surgery, and CyberKnife® Surgery.

Brian D. Beyerl, MD, FACS



Dr. Beyerl specializes in Stereotactic Neurosurgery and Radiosurgery for Brain Tumors and AVMs. He also practices general Neurosurgery such as: Brain Tumors, Spinal Surgery and Extra-Cranial Carotid Vascular Surgery. Dr. Beyerl is the co-founder of the CyberKnife® program at Overlook Hospital.

John J. Knightly, MD



Dr. Knightly's special interests include Complex Spine Surgery, Stereotactic Radiosurgery, Tumors of the Spine, Endoscopic Neurosurgery, Trauma, Minimally Invasive Spine Surgery, and CyberKnife® Surgery.

Jonathan J. Baskin, MD, FACS



Dr. Baskin specializes in Neurovascular Surgery and Neurovascular Diseases, Complex Spine Surgery, Tumors of the Spine, Image-Guided Neurosurgery for Brain Tumors and Spinal Stabilization, CyberKnife® Surgery, and Kyphoplasties.

Jay Y. Chun, MD, PhD



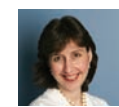
In addition to the general practice of Neurosurgery, including Brain and Pituitary Tumors and Skull Base Surgery, Dr. Chun's specialties include Complex and Minimally Invasive Spine Surgery, and Artificial Discs.

Ronald P. Benitez, MD



Dr. Benitez is one of a handful of neurosurgeons in the country who has built a Surgical and Endovascular practice. His specialties include the treatment of Cerebro-vascular diseases such as stroke using new and innovative techniques.

Catherine A. Mazzola, MD



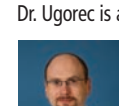
Dr. Mazzola's areas of special interest include Movement Disorders, Epilepsy Surgery, Brain Tumors, Spina Bifida, Tethered Spinal Cord, Cerebral Palsy, and Hydrocephalus in adults and children. She also has a special interest in Pediatric Neurological Disorders.

David Wells-Roth, MD



Dr. Wells-Roth has specialized fellowship training in Interventional Neuroradiology and Epilepsy Surgery and Complex Spine Surgery. Dr. Wells-Roth provides access to the latest surgical advances in the field of Epilepsy Surgery.

Igor Ugorec, MD



Dr. Ugorec is a Neuro-Intensivist, providing Neurological care to post-surgery patients in ICU. Dr. Ugorec teaches at Weill-Cornell Medical College, and was named Physician of the Year at Weill-Cornell Medical College in 2007.

WE WORK WITH ALL INSURANCE COMPANIES

- Neurosurgery
- Cerebrovascular Surgery
- Minimally Invasive Neurosurgery
- Interventional Neuroradiology
- Complex Spine Surgery
- Pediatric Neurosurgery
- Endovascular Services
- AND MEDICAL DEVICES:
- Artificial Discs
- CyberKnife®



ANSwswers

Atlantic NeuroSurgical Specialists
Spring 2008

Welcome to the latest issue of ANSwers, published quarterly for the patients, friends and colleagues of Atlantic NeuroSurgical Specialists (ANS).

This year marks the 50th anniversary of our practice. Since 1958, ANS has combined knowledge, experience and innovative surgical techniques to provide patients with quality care in adult and pediatric brain, spine and neurovascular surgery. And, throughout our history, our primary goal has remained to deliver outstanding neurosurgical care to each of our patients.

In this issue of ANSwers you'll learn about some of the exciting changes that are occurring at ANS to benefit our patients. For example, Dr. Igor Ugorec recently joined ANS as a neuro-intensivist. Learn what that means for our patients. We've also expanded our practice to include a Denville office and an affiliation with Saint Clare's Hospital. Learn more inside.

This issue also features an informative article regarding brain conditions and related treatment options. You'll learn how ANS physicians use CyberKnife® technology to treat previously inoperable tumors with millimeter accuracy.

I hope you find this issue of ANSwers informative and helpful. Please feel free to call us with any questions, or to schedule an appointment.

To your good health,

Edward J. Zampella
PRESIDENT, ATLANTIC NEUROSURGICAL SPECIALISTS



Atlantic NeuroSurgical Specialists

Adult and Pediatric Brain, Spine and Neurovascular Surgery

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STANDING LEFT TO RIGHT: Jonathan J. Baskin, MD, FACS / Igor Ugorec, MD / David Wells-Roth, MD / Catherine A. Mazzola, MD / Edward J. Zampella, MD, FACS / John J. Knightly, MD / Brian D. Beyerl, MD, FACS / Ronald P. Benitez, MD / Jay Y. Chun, MD, PhD. SEATED LEFT TO RIGHT: Julie A. Supple, RN, MSN, APN, CNOR, RNFA / Carl W. Stopper, RN, MSN, CCRN, APN-C / Pam DeAngelis, RN, CCRN / Kelly Thynne, RN, APN.

WELCOME to the third issue of ANSwers, ANS's newsletter. Inside you will find the latest information about our staff, practice and patients.

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For more information about ANS, please visit our web site at www.atlanticneurosurgical.com or call us at 973.285.7800. ▼

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