

**Setting The Standard  
in Minimally Invasive  
Procedures.**

*Schedule An Appointment Today.*

**Three Convenient Florida  
and Caribbean Locations:**

**Main Office:**  
21097 NE 27th Ct., Suite 540  
Aventura, FL 33180  
Phone: (786) 623-2000  
Fax: (786) 364-0532

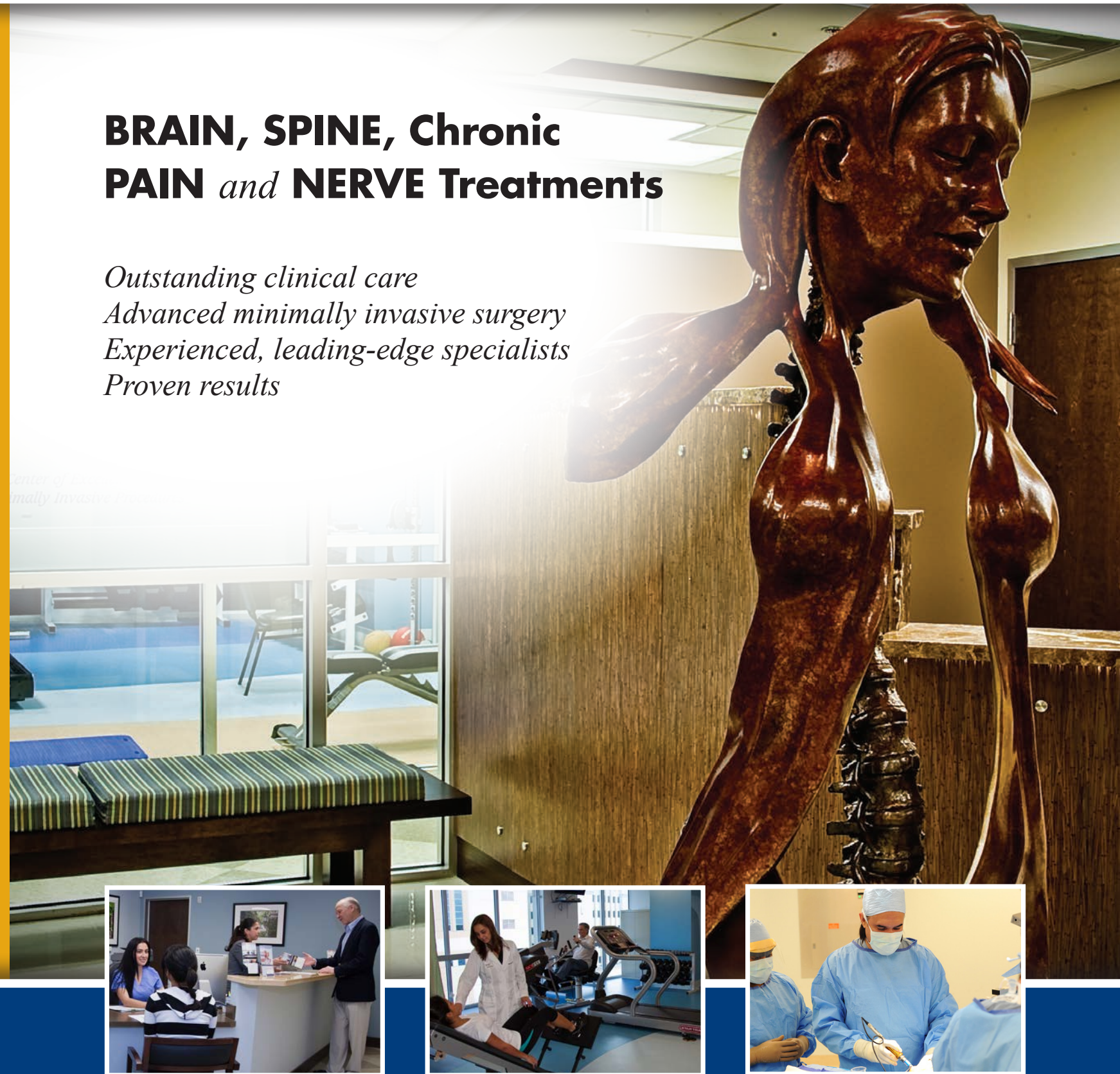
**Kendall:**  
7887 N. Kendall Drive,  
Suite 225  
Miami, FL 33156  
Phone: (786) 623-2000  
Fax: (786) 364-0532

**Dominican Republic:**  
Edificio Medical Net,  
Calle Rafael Augusto  
Sanchez Numero 45, Suite 506  
Santo Domingo, Rep. Dom.  
Phone: (809) 368-0303  
Phone: (809) 368-0606

[www.AdvancedNeuroSpine.com](http://www.AdvancedNeuroSpine.com)

## **BRAIN, SPINE, Chronic PAIN and NERVE Treatments**

*Outstanding clinical care  
Advanced minimally invasive surgery  
Experienced, leading-edge specialists  
Proven results*





# An International Center *of* EXCELLENCE

## DEDICATED

### **Dedicated to World-Class Care, Advanced Treatments, and Individual Attention**

When you're in pain, you want immediate – and lasting – relief from trusted specialists who will take the time to understand your unique needs and goals, and will treat you using the latest, least invasive techniques and technology available.

With headquarters in Aventura, Fla., our 6,500-square-foot office includes a state-of-the-art physical rehabilitation center and treatment suite for pain management procedures and therapies — all under one roof. This enables us to provide you with a high level of care for any brain, spine or peripheral nerve disorders. We won't settle for anything less.



## FOCUSED

### **Focused on Faster Recovery**

Patients who undergo minimally invasive procedures benefit by a faster recovery period, less time in the hospital, lower risk of complications, less pain, and can usually return to normal activities much quicker than with traditional open surgery.

We will be with you every step of the way through your total recovery. We will follow you through your surgery and then offer you the latest treatments for post-surgical rehabilitation therapy and pain management right in our offices.



## COMMITTED

### **Committed to a Comprehensive and Multidisciplinary Approach**

We take a comprehensive, multi-disciplinary approach to care. Treatment for neurological conditions does not always mean surgery, unless there is an urgent need, such as for trauma or impending neurological deficit.

First, we focus on non-invasive solutions using individualized pain management and/or specialized physical therapy. If those approaches aren't providing you with the relief you need, we will consider using advanced, minimally invasive surgical procedures, some of which we have pioneered and patented.

As a last resource, traditional surgery will be provided under state-of-the-art technology and compassionate care.



## PREVENTION

### **Planning for Prevention**

We don't stop there. While we want to first make sure to take care of your immediate or chronic problem, we look to the long-term and focus on preventive treatment plans to lessen the chance of future issues.



# Committed *to* Excellence. Committed *to* You.

## Our Institute's Vision for Our Patients

*As health care becomes more and more fragmented, we are committed to providing our patients with the most convenient, state-of-the-art care – all in one place. Our world-class team of experts wants to treat you as a whole patient and that often means taking a multidisciplinary care approach. We combine our expertise in neurological surgery, neurology, pain management and physical therapy to offer a personalized, comprehensive, cutting-edge solution that will help you to return to more active living sooner.*



*An Internationally Recognized,  
Board-Certified Expert in Neurosurgery*  
– **Santiago Figueredo, M.D., F.A.A.N.S.**

**Dr. Figueredo is the founder** of the Advanced Neuro Spine Institute, formerly known as the Miami Neurological Institute. Dr. Figueredo recognized a need to bring together the last techniques and technologies in neurosurgery, neurology, pain management and physical therapy to create a first-rate facility where patients could conveniently get all their needs met in the same place.

Dr. Figueredo continues to lead the institute and oversees neurosurgery. He has assembled a team of specialists dedicated to pain management and physical therapy. The team works together to give each patient the most effective, efficient treatment possible.

“When people have a brain, spine or peripheral nerve issue, they shouldn’t have to travel from one office to another and be subject to long waits between appointments. They deserve to have their problem taken care of as soon as possible with a solution that is going to work – that often requires specialized care from more than one expert. Our team works together to get our patients back to a better quality of life as quick as we can.”

## Get to Know Dr. Figueredo

**Diplomate:** American Board of Neurological Surgery, Fellow of the American College of Surgeons

**Specialties:** Functional and Restorative Neurosurgery, Minimally Invasive Spine Surgery, Craniocervical Endoscopy

**Medical Education:** Universidad Autonoma de Santo Domingo, University of Pennsylvania and Graduate Hospital in Philadelphia

**Neurosurgery Residency:** Loma Linda University Medical Center

**Fellowships:** Neurosurgery at University of Washington and Functional Neurosurgery at the University of Pennsylvania

**Recognitions:** Standing faculty and assistant professor in the Department of Neurosurgery at the University of Pennsylvania School of Medicine, and Neurosurgery Division Chief at the Philadelphia Veterans Administration Medical Center.

# A Visionary Dedicated *to* Advancing Care – Specialist, Innovator, Educator

**Treating Patients Today. Creating New  
Techniques and Technology for Tomorrow.**

## SPECIALIST

Dr. Figueredo has developed a specialized interest in endoscopic procedures for intracranial, skull base, and pituitary tumors. He’s one of the few functional neurosurgery fellowship-trained neurosurgeons in Florida and is nationally recognized for his expertise in surgically managing movement disorders, including deep brain stimulation for Parkinson’s disease and surgical procedures for epilepsy.

## INNOVATOR

Dr. Figueredo also collaborates with spine bioengineers to develop new neurosurgical procedures and design innovative instruments used internationally for minimally invasive spine surgery. These new procedures have had a positive impact on the patients’ quality of life. Recovery is less traumatic – with less of a risk of complications, a shorter hospital stay, less pain and a faster recovery period compared to traditional open surgery.

## EDUCATOR

Dr. Figueredo has trained hundreds of national and international neurosurgeons in his advanced techniques as a prominent faculty in minimally invasive neurosurgery workshops.



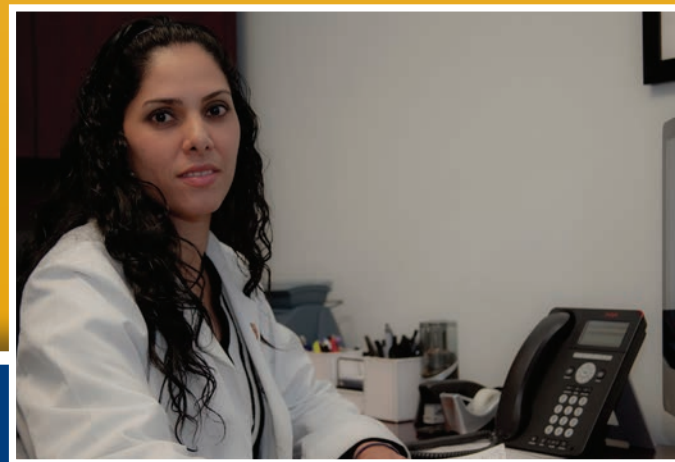


# COMPREHENSIVE CARE *for* All Brain, Spine and Peripheral Nerve Issues

*No matter what your problem is, we can help.*

Some of the conditions we treat through neurosurgery, pain management and/or physical therapy include:

- Acoustic Neuromas
- Brachial Plexus Injuries
- Brain Aneurysms
- Cancer Pain
- Carpal Tunnel Syndrome
- Cervical Post Laminectomy Syndrome
- Cervical Radiculopathy
- Chronic Pain Syndrome
- Compression Fractures
- Degenerative Disc Disease
- Diabetic Neuropathy
- Dystonia
- Epilepsy
- Essential Tremors
- Facet Syndrome
- Facial (Trigeminal) Pain
- Fibromyalgia
- Gliomas
- Herniated Discs
- Hydrocephalus
- Hyperhidrosis
- Lower Back Pain
- Lumbar Radiculopathy
- Lumbar Post Laminectomy Syndrome/Failed Back
- Meningiomas
- Meralgia Paresthetica
- Multiple Sclerosis
- Neck Pain
- Nerve Compression
- Nerve injuries
- Neuropathy
- Osteoarthritis
- Parkinson's Disease
- Pinched Nerves
- Pituitary Adenomas
- Post-Thoracotomy Pain
- Reflex Symp. Dystrophy (CRPS I and II)
- Sacroiliac Joint Degeneration and Dysfunction II
- Scar Tissue and Adhesions around Trapped Nerves
- Sciatica
- Scoliosis
- Spasticity
- Spinal Cord Injury
- Spinal Stenosis
- Thoracic Radiculopathy
- Torticollis
- Tumors
- Vascular Insufficiency
- Vascular Malformations of the brain
- Vertebral Body Fractures



# Minimally Invasive Procedures Performed *at the* Advanced Neuro Spine Institute

Minimally invasive procedures we perform include:

## Brain

- Cerebral Aneurysm
- Clipping/Coiling
- Cyber Knife
- Deep Brain Stimulation
- Endoscopic Microvascular Decompression of the Trigeminal Nerve
- Endoscopic Transphenoidal Procedures for Pituitary and Brain Tumors
- Keyhole Craniotomy
- Laparoscopic Shunts
- Stereotactic Radiosurgery (Cyberknife® and Varian)
- Trigeminal Rizotomy
- Vagal Nerve Stimulation
- Vascular Malformation Resection

## Spine

- Artificial Spinal Disc Replacement
- Balloon Kyphoplasty
- Cervical and Lumbar Interbody Fusion
- Coccigectomy
- Interspinous Spacer
- Lumbar Laminectomy
- Pain Pumps
- Scoliosis Correction in adults
- Spinal Cord Stimulation
- Spinal Discectomy
- Spinal Endoscopy

## Peripheral Nerves

- Mini-Open Carpal Tunnel Release
- Peripheral Nerve Decompression
- Ulnar Nerve Release





## Brain surgery *on* Tuesday, preaching again *on* Sunday

### A SUCCESS STORY:

*Dominican Republic 62-year-old pastor Evelio Quintero is a “go getter” who counts on his passion and energy to deliver inspirational sermons to his congregation every Sunday. So, when he began to feel fatigued and noticed his peripheral vision was declining, he and those who cared about him became concerned.*

*Doctors discovered Quintero had a pituitary tumor and treated it with medication, which caused severe headaches so Quintero stopped taking it. Surgery was the next best option. Quintero sent his blood test and MRI results to internationally recognized neurological surgeon Santiago Figueroa, M.D. at the Advanced Neuro Spine Institute.*

*“Because of the location of the tumor, Evelio was an ideal candidate for a minimally invasive technique called endoscopic transsphenoidal surgery,” Dr. Figueroa said.*

*Quintero was given general anesthesia, and Dr. Figueroa inserted an endoscope into the nasal canal toward the tumor’s location, reaching the sphenoid sinus without external incision. Dr. Figueroa inserted surgical instruments through the same nostril to remove the tumor, and then closed the area.*

*“Prior to minimally invasive surgery, we would have had to perform a craniotomy on Evelio, which would have meant a longer hospital stay, months of recovery, and more pain,” said Dr. Figueroa. “With the endoscopic approach, sometimes is difficult to convince the patient that the surgery has taken place already.” Quintero’s surgery was on a Tuesday. He drove home on a Thursday and was preaching again on Sunday.*



## From Debilitating Pain *to* Dancing Again

### A SUCCESS STORY:

*Ángel Diaz has been a professional choreographer for over 25 years. Most of his days are spent on his feet, teaching others how to dance. By July 2010, his foot, leg and hip pain were so unbearable, he had to rest more often. Furthermore, pain medication he took was no longer working.*

*For almost a year, Diaz consulted with several specialists. Some recommended different medications. Others suggested physical therapy. One told him that he had no hope at all. Not ready to give up, Diaz called the Advanced Neuro Spine Institute and spoke with Dr. Figueroa.*

*Dr. Figueroa diagnosed the problem as degenerative disc disease and advised Diaz to have surgery. Dr. Figueroa performed laser surgery less than a month later. After three months of physical therapy, Diaz was dancing again.*

*“It was a miracle,” Diaz said. “I feel as if I never had a pain in my life.”*



Actual Patient

# FREQUENTLY ASKED QUESTIONS *about* Advanced Neuro Spine Institute

## How do I make an appointment at ANSI?

To make an appointment, please call our Main Office today at (786) 623-2000 or call our Dominican Republic office in Santo Domingo at (809) 368-0303 or (809) 368-0606.

## What insurance plans does the Advanced Neuro Spine Institute accept?

We work with most insurance companies either in network or in an out-of-network basis.

We're committed to treating all patients. Please call our office to discuss.

## At which hospitals are surgeries performed?

Although able to perform procedures at many hospitals in the Miami metro area, the staff at ANSI currently performs most procedures at the Aventura Hospital in Aventura, FL; in the Dominican Republic, CEDIMAT and Advanced Abel Gonzalez Clinic are currently being used.

## How soon after surgery will I be able to get back to my normal routine?

Dr. Figuereo has unique and extensive expertise in minimally invasive neurosurgery procedures. Because each patient is unique, Dr. Figuereo and his staff will discuss your specific case with you during your initial appointment. As opposed to traditional open surgery, patients who are treated with minimally invasive surgery often have a shorter hospital stay with less pain and scarring, so they are typically able to return to their normal routines quicker.

## Will I have scars from my minimally invasive procedure?

With some procedures, you will have what looks like two small punctures at the site of your neurosurgery, but you will not have any large scars that accompany traditional surgery. In the most intense procedures, the scar will be small (1-2 inches) in spite of significant work being done inside. This is to preserve the muscles and ligaments that will be necessary for a faster recovery.

## An International Center of EXCELLENCE

Dedicated to World-Class Care For Diagnosing Problems,  
Relieving Pain and Saving Lives, One Patient At A Time.

With offices in Florida and the Dominican Republic, our Advanced Neuro Spine Institute neurosurgeons and specialists take the time to diagnose your pain, understand your unique needs, and treat you using the latest, least invasive techniques and technology available.



Advanced Neuro  
Spine Institute

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Minimally Invasive Procedures*