



Why choose a Neurosurgeon for neck and back pain?

Neurosurgery has one of the longest training periods of any medical specialty due to the extreme complexity of the nervous system and the advanced techniques used in neurosurgical operations.

The public knows the neurosurgeon as a brain surgeon; however, the neurosurgeon does much more than intracranial procedures or “brain surgery.”

Back and neck pain are common complaints evaluated and treated by the neurosurgeon. When the spine is the source of pain, it’s a nerve problem – not a bone problem.

Dr. Melisi is Board Certified by the American Board of Neurological Surgery and is a Fellow of the American College of Surgeons. He has been consistently recognized by his peers for his excellence and leadership in neurosurgery.

NORTHERN VIRGINIA Healthcare Review

Your Ally for Brain and Spinal Care

The professional staff members of Neurological & Spinal Surgery become compassionate, supportive allies for every patient who reaches out to them for care. “We have a tremendous commitment to our mission, which is to return people to health and to their lives,” Dr. Melisi states. “Our talented staff is dedicated to achieving that, and our patients receive comprehensive assistance during their journey back to wellness. Exemplary patient care is always our first goal.”

Neck and Back

Dr. Melisi and Dr. Sharma first look to conservative approaches to achieve relief from neck

or back pain. “As neurosurgeons, we tend to be especially conservative because we have an understanding of the intricacies of the brain, spine, and nervous system. We have great respect for the risk factors involved in any surgical procedure,” assures Dr. Melisi. “Most of our patients with neck and back problems do not require a major surgery.”

And for the Brain

Advancements in the optics and instrumentation available to surgeons who have the proficiency required to offer the most discriminating surgeries have continued to expand the horizons of brain surgery.

“We now have the same advantages as fighter pilots, who can aim at targets that they can’t see,” says Dr. Melisi. “We can plan precise trajectories and achieve outcomes that were previously unattainable. It is a very exciting time in neurosurgery.”



James W. Melisi, MD, FACS, PLLC
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Mudit Sharma, MD, joined Dr. Melisi in practice after serving as the Chief Neurosurgical Resident at Georgetown University Hospital. Dr. Sharma was at the helm of one of the busiest neurosurgery services in the nation, and now brings his experience in minimally-invasive techniques to Neurological & Spinal Surgery.