



**Dr. Ed Kornel** is in the forefront of minimally invasive neurosurgery (MIS), which is used to minimize the trauma of surgery and increase the speed of recovery. He also is an expert in minimally invasive endoscopic surgery of the spine as well as minimally invasive approaches in the surgical treatment of brain tumors. Dr. Ed Kornel was involved in the early development of surgical instruments used in endoscopic and minimally-invasive spine surgery, and has taught these techniques to other spine surgeons.

Additionally, Dr. Kornel is one of the first neurosurgeons in the New York metropolitan area to replace damaged cervical discs with artificial discs, newly-introduced to the market. He is one of the first spine surgeons in the tri-state area to perform percutaneous lumbar fusions, and he introduced frameless stereotaxic guided cranial surgery in Westchester hospitals to allow for less invasive brain surgery.

A patent is pending on instruments Dr. Kornel invented for percutaneous spine fusion surgery. He has authored scientific articles relating to neurosurgery and has authored a chapter in an online textbook regarding management of cervical spine trauma.

#### Unique Training

Dr. Kornel gained his initial expertise during his neurosurgical residency at the George Washington University Medical Center under the tutelage of Hugo Rizzoli, M.D., who, at the time, was one of the most renowned and respected neurosurgeons in the world. When in Stockholm, Dr. Kornel trained and is certified in the use of the Gamma Knife, a stereotactic radio-surgical technique he uses for the treatment of brain tumors and trigeminal neuralgia.

In 1981, he was part of the team that treated James Brady, press secretary to President Reagan, when ...

#### Dr. Ed Kornel

#### Speech Topics

- Healthcare
- Health & Wellness

