Denver Spine Surgeons is a group practice composed of three board-certified, fellowship-trained orthopedic spine surgeons. Their convenient location in the Denver Tech Center at 1-25 and Orchard Road allows easy access for patients from throughout the region.

Dr. Gary Ghiselli, Dr. Sanjay Jatana and Dr. David Wong have practiced together for about 10 years at Denver Spine Surgeons and previously at Denver Spine, a group that included other spine specialists. This practice is now highly focused and specialized on spine surgery only.

Back and neck pain patients are referred to Denver Spine Surgeons from all over Colorado, New Mexico, Nebraska, Wyoming and Kansas.

Drs. Ghiselli, Jatana and Wong share the common philosophy of emphasizing non-surgical treatment options before spine surgery. Non-surgical treatment options are provided through a larger network of pain management specialists and spine therapists.

When surgery is necessary, Denver Spine Surgeons provide the most-advanced, minimally invasive spinal surgery and often the patient can be home later the same day to recover comfortably. The doctors also perform complex spinal surgery, including fusion, instrumentation and artificial disc replacement when necessary. Surgery is performed at several different hospitals in the Denver area including Swedish Medical Center, Sky Ridge Medical Center, Rose Medical Center, Parker Adventist Hospital, Presbyterian/St. Luke’s Medical Center and Littleton Adventist Hospital.

More information can be found at www.DenverSpineSurgeons.com.
Gary Ghiselli, MD  
*Board certified orthopedic surgeon*  
*Fellowship trained spine surgeon*

Dr. Ghiselli is a recognized expert in spine surgery and has performed extensive research on problems in the cervical, thoracic and lumbar spine. He has published multiple peer reviewed articles and book chapters throughout his career. He is a board member of the Colorado Orthopedic Society, Guideline Committee Member for the North American Spine Society (NASS), a frequent lecturer and member for the American Academy of Orthopedic Surgery (AAOS) and a member of the Colorado Medical Society. He takes pride in his expertise in cervical spine surgery after training with Dr. Henry Bohlman in Cleveland, Ohio and is one of the few elected members of the Cervical Spine Research Society (CSRS) practicing in the state of Colorado. His research interests in anti-microbial substrates, stem cell and regenerative technologies and long term outcomes have influenced his practice and benefitted his patients. Dr. Ghiselli has been a lead investigator and co-investigator in FDA trials involving motion preservation in the lumbar spine, cervical total disk replacement and stem cell applications in the spine. His practice offers all options including non-operative care, stem cell and regenerative technologies as well as traditional and minimally invasive surgical techniques.

Sanjay Jatana, MD  
*Board certified orthopedic surgeon*  
*Fellowship trained spine surgeon*

As a fellowship trained spine surgeon, Dr. Jatana specializes in treatment of complex disorders of the cervical spine, degenerative lumbar spine and microsurgery. He also focuses on general spinal surgery with special training in the cervical spine and treating patients who require repeat or revision surgery. During surgery, Dr. Jatana employs spinal cord monitoring techniques and a microscope to facilitate safety and accuracy. His goal is to accurately identify the pain source so that surgery is successful in alleviating the symptoms. After surgery, Dr. Jatana prefers to follow his patients for at least two years to ensure long-term positive results. He completed his residency at Harbor-UCLA Medical Center and was Chief Resident of the Department of Orthopedics. Dr. Jatana is a Diplomat for the American Board of Orthopedic Surgery and a Fellow for the American Academy of Orthopedic Surgeons. His memberships include North American Spine Society, Arapahoe Medical Society, Colorado Medical Society and Denver Medical Society.

David A. Wong, MD, MSc, FRCS (C)  
*Board certified orthopedic surgeon*  
*Fellowship trained spine surgeon*

Dr. David Wong is a fellowship-trained board-certified orthopedic spine surgeon with a specialty in lumbar microsurgery. He graduated from medical school from University of Toronto and completed his residency under The Gallie Programme, which included six months each in general and vascular surgery, neurosurgery and orthopedic pathology. He later completed his fellowship training from University of Toronto Wellesley Hospital in spinal surgery, including minimally invasive surgical techniques. He serves as Director for the Advanced Center for Spinal Microsurgery at the P/SL Medical Center. He was the President of the North American Spine Society (NASS) from 2002–2003. Dr. Wong is the chairman of the NASS Patient Safety Committee and has been the course chairman for the CME courses on minimally invasive spine surgery for NASS and the American Academy of Orthopaedic Surgeons (AAOS).

**Physician Biographies**

**Artificial Disc Surgery**

Unlike fusion surgery that locks spinal vertebrae, which can in turn damage adjacent discs above and below the fusion site, artificial disc replacement is designed to retain motion by replicating the function of a normal, healthy disc.

Most artificial disc designs have plates that attach to the vertebrae and a rotational component that fits between these fixation plates. These components are typically designed to withstand stress and rotational forces over long periods of time.

Because of the weight of the body and the rotational stress that the trunk places on discs in the lumbar area, more stress is placed on artificial discs in the lumbar area vs. the cervical area. Another advantage of cervical artificial disc surgery is that the neck area is more accessible in surgery than the front of the lumbar spine, and there is less risk related to artificial disc surgery in the neck area.

The surgeons at Denver Spine Surgeons are trained in artificial disc surgery and are able to advise if a patient is a candidate for a certain type of artificial disc replacement surgery. The ProDisc-C and ProDisc-L artificial discs shown on the right are FDA approved discs. Other artificial disc designs may be available through clinical study.

**Spine Surgery Options**

Studies show that more than half of back surgeries are unnecessary and the goal of the surgeons at Denver Spine Surgeons is to exhaust nonsurgical treatment for spine problems before using spine surgery. There are times when surgery is the best treatment for a spine condition. The fellowship-trained spine surgeons at Denver Spine Surgeons are proficient in the latest spine surgery techniques and procedures.

Some of the common spine procedures performed by our spine surgery specialists include lumbar and cervical laminoplasty, which is less invasive when compared to laminectomy, laminectomy with fusion and anterior cervical fusions. Laminoplasty also provides a faster recovery with equal results to traditional spine surgery. The Denver Spine Surgeons minimally invasive philosophy is centered around more conservative indications for fusions, non-fusion surgical options when applicable, use of the operating microscope and embracing new technologies through responsible clinical research trials.

Denver Spine Surgeons

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