

Specializing in complex neck surgery, motion preservation surgery and artificial disc replacement for the cervical spine

New research studies by the North American Spine Society — the most respected international society of spine surgeons — have shown that when a person has a herniated disc in the neck, and traditional fusion surgery is performed, there is an increased incidence of herniation at an adjacent segment. For these people, the newest FDA-approved artificial discs for the cervical spine can be of great benefit, explains Sanjay Jatana, MD, a Colorado fellowship-trained orthopedic spine surgeon who specializes in neck surgery.

"The downside of spinal fusion surgery is that it locks two vertebrae in place," Dr. Jatana notes. "This in turn puts additional stress on the discs above and below the affected area, which can lead to further disc herniation above and below the damaged disc. This process is called "adjacent segment disease" and it's one of the main issues artificial discs were designed to address."

The benefit of an artificial disc is that it retains the natural rotation of the vertebrae in the neck, which would otherwise be locked together in a traditional spine fusion surgery. By preserving motion, this lessens the risk that other adjacent discs might herniate as well.

Unlike most spine surgeons are limited by their training to a single artificial disc implant, Dr. Jatana



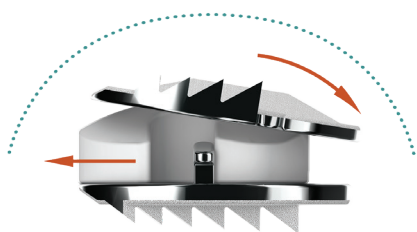
is trained in the use five FDA approved artificial discs for the neck. Each disc has advantages and may better fit a patient. Some discs, for example, come in a smaller size for women and smaller men. This can be of great benefit to those people with degenerative discs at more than one level in the neck and would otherwise need a fusion at the other level which in turn would restrict rotation.

Dr. Jatana also provides two other specialized neck surgeries that aren't typically provided by other Colorado spine surgeons:

- *Cervical Lamino-Foraminotomy*
- *Cervical Laminoplasty*

"Both of these surgeries are motion-preserving non-fusion neck surgeries," explains Dr. Jatana. "These surgeries require specialized expertise in neck surgery because they involve a posterior approach (from the back of the neck), the use of tiny instruments and microsurgery. The benefit of these two surgeries is that they are minimally invasive, non-fusion, and motion preserving approaches that provide a faster return to activity."

Patients can request a second opinion appointment online at SanjayJatanaMD.com or by calling 303-697-7463. Additional information about specialized neck procedures is online.

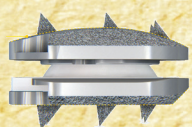


We are proficient in several artificial disc implants

The benefit of an artificial disc is that it retains the natural rotation of the vertebrae in the neck and low back, which would otherwise be locked together in a traditional spinal fusion surgery. By preserving motion, this reduces the risk that other adjacent discs might herniate as well. Dr. Jatana is trained in the use of most of the FDA-approved artificial discs for the neck. Unlike other disc surgeons who typically emphasize one disc, Dr. Jatana is trained and proficient in the use of five different FDA-approved artificial discs for the neck. For the neck, Dr. Jatana uses the Prodisc C, Prodisc SK, Prodisc Vivo, Mobi-C and Prestige-LP. Each patient is evaluated

by Dr. Jatana to determine if their herniation is appropriate for an artificial disc, and then which artificial disc would be best for each person. There are many concerns as some discs come in different sizes to adjust for smaller frames, such as with women and smaller men.

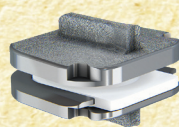
Patients can get request an appointment online at **SanjayJatanaMD.com** or by calling 303-697-7463. Additional information about neck symptoms and emergency symptoms for neck problems is online at **SanjayJatanaMD.com**.



PRODISC VIVO



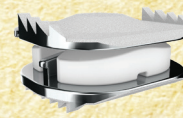
PRODISC-C



PRODISC-C SK



PRESTIGE-LP



MOBI-C

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A regional spine resource for neck problems

Dr. Jatana's practice is referred some of the most complex back and neck patients in the Colorado and Rock Mountain region. For example, of the new patients coming to Dr. Jatana, 25% have had previous neck surgery elsewhere. About half of new patients had disc-related symptoms like radicular pain or neurological deficit (weakness or numbness into a hand or arm.) Consequently, Dr. Jatana's spine practice receives many of the failed surgeries generated by other generalist surgeons.

Within his practice at Colorado Spine Partners, Dr. Jatana specializes in complex neck surgery and motion preservation surgery. Colorado Spine Partners is the only spine center in Colorado to be included in a list of credentialed spine centers by SpineCenterNetwork.com. Credentialing criteria includes



fellowship-trained spine surgeons; an emphasis on nonsurgical treatment options; and a commitment to patient education for a well-informed healthcare consumer.

Colorado Spine Partners is also included in the national network CentersforArtificialDisc.com which features spine centers trained and proficient in artificial disc replacement.



The 4 benefits of a 2nd opinion

Because spine surgery is a serious decision, it is a good idea to obtain a second opinion. A second opinion from Dr. Jatana can provide patients the following benefits:

- 1 Determine if all possible treatment options have been considered and if there are any other nonsurgical options — such as spinal injections or physical therapy — that can relieve symptoms without the need for surgery.
- 2 If spine surgery is necessary, what type of spine surgery should be performed. A complex fusion procedure may not be necessary.
- 3 Is there a new artificial disc or implant technology that would provide a better outcome?
- 4 Help determine if the patient is a candidate for minimally invasive spine procedure in outpatient surgery. This may allow the patient to be home later that same day, for a faster recovery and return to activity.

Sanjay Jatana, MD • Fellowship-trained spine surgeon

Sanjay Jatana, MD

Board-certified, fellowship-trained spine surgeon

Specializing in Complex Neck Surgery, Artificial Disc Replacement and Motion Preservation Surgery

Dr. Jatana is one of few spine surgeons in Colorado proficient in artificial disc replacement for the neck, along with two other neck surgeries that are alternatives to spinal fusion. Unlike other spine surgeons who are trained in only one type of artificial disc, Dr. Jatana is trained and proficient in the use of the five most popular FDA-approved artificial discs. He is proficient in the use of the following artificial discs: Prodisc-C; Prodisc Vivo; Prodisc SK; Mobi-C; and Prestige LP. Each disc has advantages and may better fit a patient. Some discs, for example, come in a smaller size for women and smaller men.

Dr. Jatana also provides two specialized neck surgeries that preserve the natural motion of the neck vertebrae if a person isn't appropriate for an artificial disc. These two surgeries are not typically provided by other Colorado spine surgeons because they require advanced training and experience, and proficiency with minimally invasive instrumentation: Cervical Laminoforaminotomy and Cervical Laminoplasty.

Unlike spinal fusion, all of these motion preservation neck surgeries retain the natural motion of the neck which reduces the risk of disc herniations at other levels. As a fellowship trained spine surgeon, Dr. Sanjay Jatana specializes in the treatment of complex. He is recognized as one of the top Colorado spine surgeons in spine surgery and motion preservation.

Dr. Jatana has special training in the complex spine problems and treats patients who require repeat or revision surgery. Dr. Jatana completed his residency in orthopedics at Harbor-UCLA Medical Center and was Chief Resident of the Department of Orthopedics. Dr. Jatana is a Diplomate 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, Colorado Orthopedic Society and Denver Medical Society. Patients travel to his Denver office from across Colorado, Wyoming, Nebraska, Kansas and New Mexico.

