

CASE STUDY Treatment Of Cervical Disc Herniation

Background

The cervical spinal cord may be considered the most important segment of the spinal cord, surpassing the thoracic and lumbar spinal segments. A cervical herniated disc is diagnosed when the inner core of a disc in the neck herniates, or leaks out of the disc, and presses on an adjacent nerve root. A cervical disc herniation may occur suddenly from trauma, but most often it occurs over time from chemical and mechanical degenerative changes.

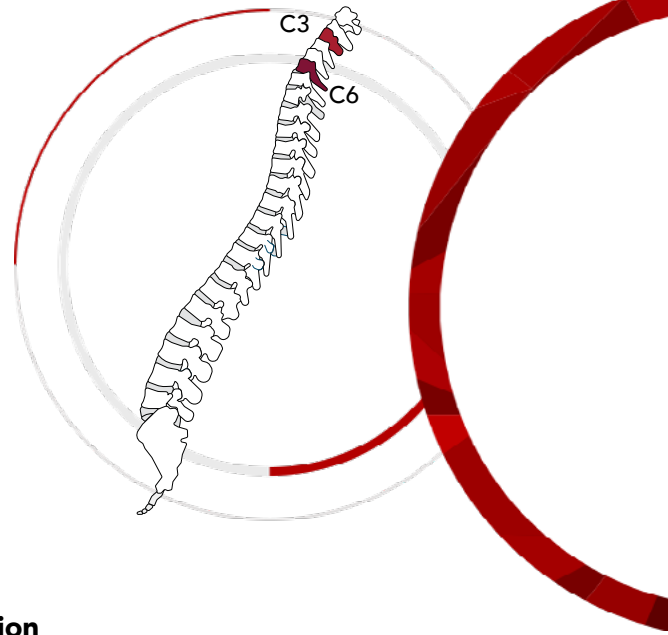
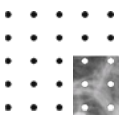
History

The patient is a 45-year-old female with complaints of pain in left arm and neck. She has cervical disc herniation diagnosis. The patient was advised to undergo surgery due to the long-term negative impact of signs and symptoms of cervical disc herniation upon her health. The patient agreed to surgery.

Pre-Treatment Image



Post-Operative Images



Conclusion

The patient noticed a significant improvement in the amount of left arm and neck pain. All complaints of the patient were eliminated. OSIMPLANT ARION Expandable Bladed Cervical Cage can be used safely to obtain fusion after anterior cervical discectomy. The outcomes of this case indicate that ARION Expandable Bladed Cervical Cage is an effective technique for treating degenerative cervical disc disease.

Treatment

The patient underwent C3 to C6 anterior cervical discectomy. Surgery was conducted using a standard anterior cervical approach and discectomy. Under general anesthesia, the patient was placed in the supine position with the neck slightly extended. Through a right cervical incision, the target segment was exposed with the assistance of intraoperative C-arm X-ray. The anterior longitudinal ligament was opened, and the discectomy procedure was then performed. After sufficient decompression, an appropriately sized OSIMPLANT ARION Expandable Bladed Cervical Cage was implanted into the intervertebral space under X-ray monitoring.

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