

rediscoverTM
REGAIN YOUR LIFETM

MAKE YOUR COMEBACK



with
prodisc[®] **L**

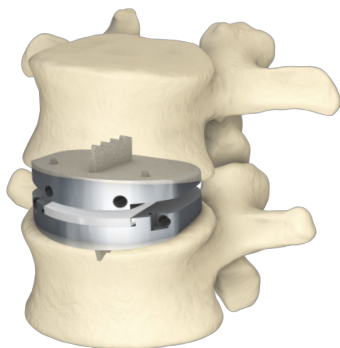
A Patient's Guide

CENTINEL
SPINE[®]

“A year after my surgery, I was back to doing everything I loved!”

**Cheri P., Physician's Assistant,
16+ Years After Surgery with
prodisc® L**





THERE IS *hope*

- Do you have lower back pain with or without leg pain?
- Have you been diagnosed with degenerative disc disease or a lumbar disc herniation?
- Has your surgeon indicated that you might be a candidate for lumbar fusion or disc replacement?

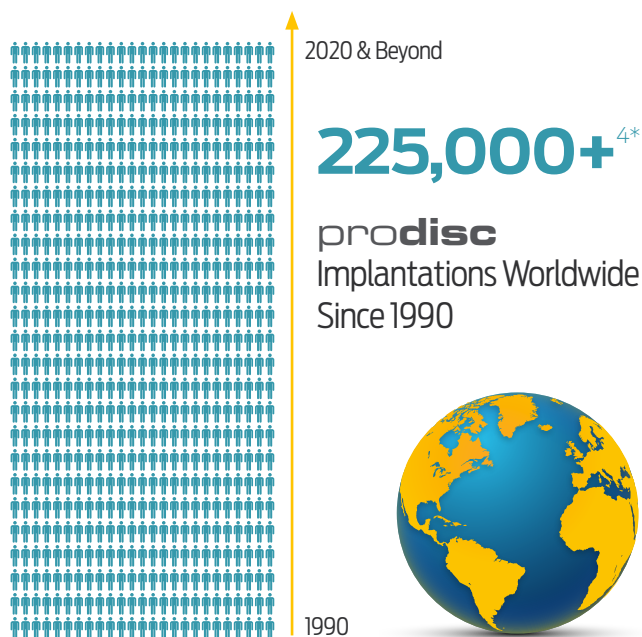
The prodisc® L Total Disc Replacement gives you an option.


This brochure is designed to provide you with answers to questions you may have about why **prodisc** may be the best option if you are considering disc replacement surgery or an alternative treatment.

WHY CONSIDER **prodisc L**?

The **prodisc L** technology is the most studied and clinically-proven total disc replacement system in the world. Beginning with clinical usage in 1990, the **prodisc** design has been validated with over 225,000 device implantations worldwide and more than 540 published papers.¹

prodisc L has been shown to facilitate a quicker return to active life.² It has also been shown to enable patients to retain their range of motion, enabling the spine to flex over the long-term.³



 = 200
Implantations

* Worldwide implantations with
prodisc technology platform

“I’m so glad I did this surgery, I would do it again in a heartbeat!”

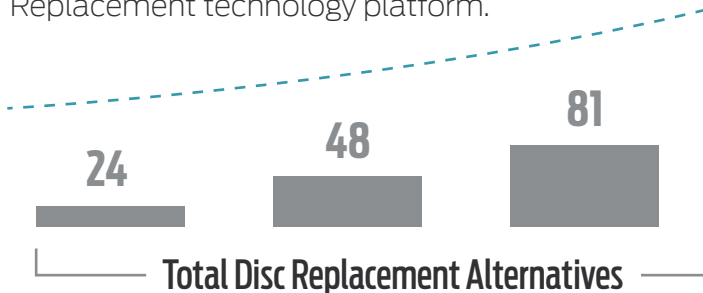
***Jeremy S.,
10+ Years After Surgery with
prodisc® L***



the most studied and clinically proven

TOTAL DISC REPLACEMENT IN THE WORLD¹

The number of published studies for competitive total disc replacement alternatives pale in comparison to the extensively researched and clinically proven success of the **prodisc** Total Disc Replacement technology platform.



540+¹

pro**disc**
Studies

93

243

pro**disc**®

“My back pain was debilitating and kept me from doing a lot of things in life, and I’m just happy I can be the person that I am now, completely pain-free!”

**Gara L.,
13+ Years After Surgery with
pro**disc**® L**

RETURN TO *active life*

Patients consider a total disc replacement to reduce pain and to provide a means of returning to active life.

Activities appropriate for military personnel were analyzed in a study of active-duty military patients that had received a **prodisc** or a fusion procedure. It was found that 25% more **prodisc** patients returned to active duty (80% vs 67%), and **prodisc** patients returned more rapidly—on average 38% faster.²

The results of this study on young, active military personnel is indicative of the superior clinical results experienced by **prodisc** patients across many published studies.

Results of Study of Active Duty Military Patients that Received a **prodisc or a Fusion Procedure**

Variable	prodisc L	Fusion
# of Patients	12	12
Average Age	37.3	40
# Returned to Full Duty	10	8
Time to Return to Full Duty (weeks)	22.6	32.4

“Five of the 7 Navy SEALs in [the **prodisc**] group reported returning to free-fall parachute jumping and high-impact water entries.”²



Return to an Active Life



proven

SAFETY & EFFECTIVENESS

Two Investigational Device Exemption (IDE) studies were conducted in 2006 in the US in order to gain FDA approval for one- and two-level use. **prodisc L** is the **only** device in the world approved by the FDA for two-level lumbar disc replacement; validated with a rigorous clinical study of the safety and effectiveness of the device specifically with use at two-levels.

These two studies represented the highest level of evidence available for orthopedic medical devices, and compared the use of **prodisc L** to fusion, the standard of care at the time.

“Use of **prodisc L at two levels showed durable clinical improvements during a minimum of nine years of clinical follow-up.”**

From long-term follow-up of IDE study conducted in 2001⁵



The IDE Studies evaluated the likelihood that a patient would require a re-operation after the implantation of the **prodisc L**. Patients were followed over two years and monitored for pain relief, mobility, and re-operation.

The resulting published papers and supplemental long-term follow-up papers showed that:

- **prodisc L** is a safe and effective surgical treatment
- **prodisc L** provides durable results
- Patients treated with **prodisc L** were nearly 4x less likely to experience adjacent level degeneration than fusion patients

NEARLY
4X
LESS LIKELY

for **prodisc L** patients to
experience changes in activities of daily
living than fusion patients ⁶

“I was implanting **prodisc** in my patients for years before needing one myself; in three months I was completely healed and able to be just as active as before!”

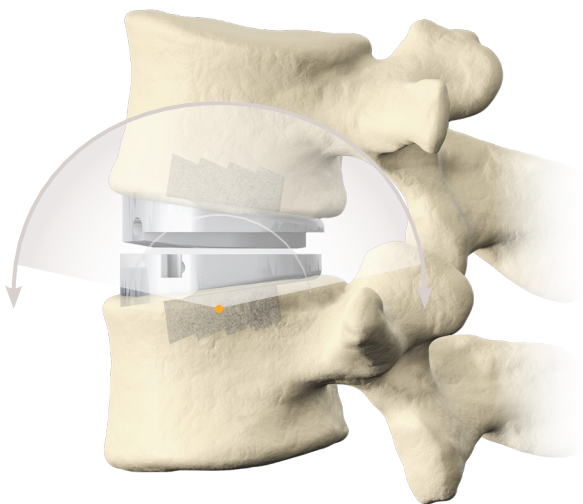
Jason Cuellar, MD, PhD, Spine Surgeon,
prodisc  **Recipient**



prodisc ENABLES *motion*

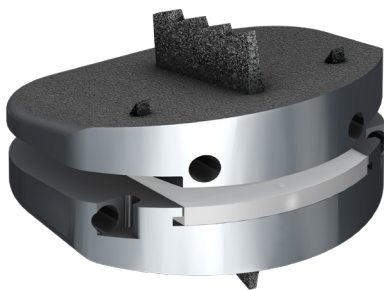
In the past, fusion was typically used to surgically treat patients with spine-related pain or loss of function. However, fusing a segment of the spine ultimately reduces mobility.

prodisc was developed as an alternative to spinal fusion, enabling controlled and predictable motion while providing stability in the spine.



prodisc L *summary*

prodisc L has been proven to be an effective solution for some individuals suffering from lower back pain with or without leg pain, loss of function, or neurological symptoms. Results from **prodisc L** studies over the last 30 years indicate a lower re-operation rate, quicker return to active life, and continued mobility at the operated level of the spine. Studies have also demonstrated high levels of patient satisfaction with the use of **prodisc**.



REFERENCES:

¹Search performed on Pubmed, Embase, Ovid Medline® covering 1988 – 2018. ²Turnalian, L.M., et al., *Arthroplasty in the military: a preliminary experience with ProDisc-C and ProDisc-L*. *Neurosurgical focus*, 2010. 28(5): p. E18. ³Zigler, J, Delamarter R, Five-year results of the prospective, randomized, multicenter, Food and Drug Administration investigational device exemption study of the prodisc-L total disc replacement versus circumferential arthrodesis for the treatment of single-level degenerative disc disease, *J Neurosurg Spine*, 2012, 17:493-501. ⁴Data on file at Centinel Spine compiled from Spine Solutions, Synthes Spine, DePuy Synthes, and Centinel Spine. ⁵Balderston J, et al, Long-term Outcomes of 2-Level Total Disc Replacement Using ProDisc-L, *SPINE* 39(11):906-910, 2014. ⁶Zigler J, et al, Five-year adjacent-level degenerative changes in patients with single-level disease treated using lumbar total disc replacement with ProDisc-L versus circumferential fusion, *J Neurosurg Spine* 17:504–511, 2012.

“With **prodisc L, I am
able to return my patients
to full activity—usually
within 3 weeks.”**

***Dr. Todd Lanman, Neurosurgeon &
prodisc L Recipient***



If you have questions...

Speak to your doctor or visit our website.

rediscover™

REGAIN YOUR LIFE™

www.rediscovermylife.org

For information about obtaining insurance reimbursement for the **prodisc L** Total Disc Replacement procedure, contact our Patient Access Program at **1-800-264-4623**.

About

CENTINEL SPINE®

CENTINEL SPINE offers a continuum of trusted, brand-name motion-preserving and fusion solutions backed by over 30 years of clinical success—providing the most robust and clinically-proven Total Disc Replacement and Integrated Interbody™ fusion portfolios in the world.



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