



What is a NOCISCAN[®] Spine Scan?

ADVANCED IMAGING. BETTER ANSWERS. SMARTER CARE.

NOCISCAN[®] is the first, evidence-supported, SaaS platform to leverage MR Spectroscopy to noninvasively help physicians distinguish between painful and nonpainful discs in the spine.

Conventional imaging (lumbar MRI) for Chronic Low Back Pain offers important structural information but struggles to identify the actual source of pain. NOCISCAN complements lumbar MRI with critical pain biomarker data.



KEY BENEFITS



SAFE & NON-INVASIVE

Noninvasive MRS scan done in conventional MRI.
No painful, subjective provocative discography.



OBJECTIVE

Objective analysis of pain biomarkers, individualized to each patient.



CLEAR RESULTS

Clear, easy-to-interpret NOCI+/NOCI- scores for each disc—see where the pain is today and highlight discs to watch in the future.



EVIDENCE-SUPPORTED

NOCISCAN has shown a 97% surgically verified success rate in identifying painful discs.

HOW NOCISCAN WORKS

1



MRI + MR SPECTROSCOPY

NOCISCAN combines AI with MRI to analyze chemical biomarkers in the discs of your lumbar spine.

2



BIOMARKER ANALYSIS

Biomarker data is entered into proprietary algorithms to determine whether each disc may be a source of pain.

3



ACTIONABLE RESULTS

Results are presented as NOCI+ (painful) or NOCI- (nonpainful) scores for each disc to help guide treatment decisions.



The exam takes about an hour and is performed during a routine MRI visit.

WHAT CAN NOCISCAN HELP DETECT?

- ✓ Disc pain information without painful, subjective provocative discography
- ✓ Painful vs. nonpainful discs in the lumbar spine
- ✓ Discs that may be the source of your low back pain
- ✓ Discs to monitor that may cause pain in the future
- ✓ Critical pain biomarker data to support clinical decisions

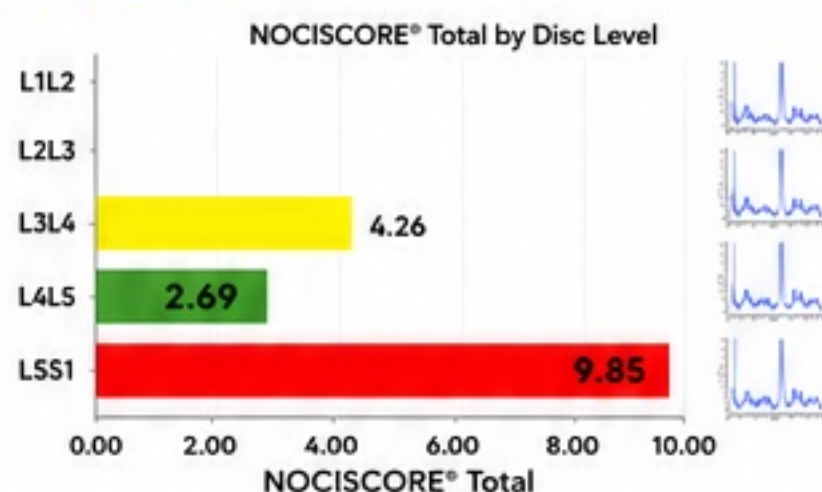
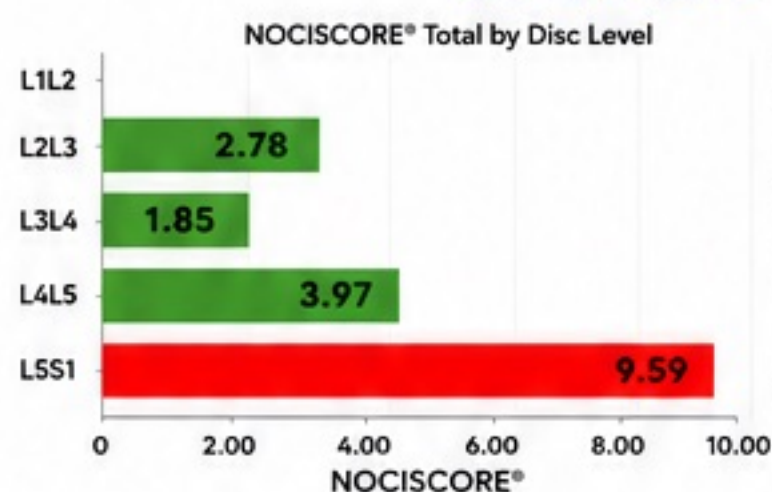


STRUCTURAL INTEGRITY SCORE (SI-SCORE[™])

measures the level of proteoglycan inside a spinal disc. Proteoglycan is the primary chemical biomarker responsible for maintaining a disc's physical strength, boundary containment, and water retention.

EXAMPLE NOCISCAN[®] REPORT

NOCISCAN provides a NOCISCORE[®] that measures the health of your discs. Higher scores may indicate degeneration or changes in disc health.



NOCISCORE Scale
NOCI- (Normal)
NOCI± (Mild)
NOCI+ (High)

Please talk to your doctor to see if NOCISCAN is right for you.