Disc Dekompressor®
Disc Diagnosis & Therapy
Solutions for the diagnosis and treatment of back pain caused by symptomatic discs.

Advanced technology. Measurable results.

Footnotes
6. Alò K, Wright RE, Fu ZZ. Open human torso laboratory dissection with annular and nuclear lumbar disc analysis pre and post Dekompressor®. Denver, CO: University of Colorado Health Sciences Center College of Medicine, Department of Anatomy, January 19/20, 2003

* Information current as of 3.12.09

** Information current as of 5.12.09

Footnotes

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Nearly 10 million people suffer from lower back and leg pain at an estimated cost of more than $20 billion annually. Stryker’s Discmonitor and Dekompressor give you clinically proven tools for identifying and treating symptomatic discs. Developed with respected medical professionals, they can benefit your patients, your practice, and the healthcare system.

The Stryker Dekompressor is a minimally invasive disc removal system for contained disc herniations. It was designed with leading practitioners to measurably and selectively extract disc material without annular or nuclear disruption. Using a patent-pending Archimedes’ pump principle, Stryker’s Dekompressor provides a highly efficient method for removing intervertebral disc nucleus through the smallest available channel under fluoroscopic control.

Discography using the Stryker Discmonitor delivers complete diagnostic information to help identify discogenic pain. These minimally invasive solutions complete the continuum of care for patients who haven’t responded to conservative therapies, but want an alternative to surgery. The Discmonitor facilitates diagnostic accuracy and aids in treatment planning, while the Dekompressor helps reduce pain, shorten recovery time, and return patients to their previous levels of activity.

Innovative solutions for a costly problem.

Percutaneous discectomy using the Stryker Dekompressor provides a highly effective treatment for relieving pain due to contained disc herniations.

Discography using the Stryker Discmonitor furnishes accurate, detailed, and printable diagnostic information for assessing the extent of intervertebral disc damage. It is the first and only device that measures time, pressure, and volume during discography procedures—helping to ensure the most appropriate treatment planning and the efficient use of healthcare dollars.

Smart technology. Quantifiable results.

Precise control. Immediate feedback.

The continuum of care.

Noninvasive
- Physical therapy
- Medication
- Bed rest

Minimally Invasive
- Stryker Interventional Spine

Invasive
- Open surgery
Disc Decompression: Quick relief. Simple procedure.

Multiple clinical studies have shown that percutaneous discectomy using the Stryker Dekompressor is successful for 90% of patients. This minimally invasive procedure reduces pressure on the nerve root by removing disc nucleus. It results in minimal annular disruption, preserving disc strength and future treatment options, including surgery.

Procedure Benefits

Benefits of Stryker Disc Decompression are reported to include excellent success rates, maintained annular integrity, low outpatient treatment costs, rapid rehabilitation, and low risk. The procedure generally takes only 15 to 30 minutes to perform and doesn’t require a hospital stay.

- Significant pain relief
- Reduced use of anesthetics
- Improved quality of life
- Quantifiable disc material removal
- Less epidural scarring
- Quick recovery: generally 3 to 5 days
- Low complication and morbidity rates

Outpatient procedure requiring only local anesthesia alleviates possible complications of open surgery and general anesthesia.

Results Compared to Surgery

- Possible reduction in:
  - Perineural scarring
  - Postoperative fibrosis
  - Permanent structural alterations
  - Spinal instability
  - Decreased complication rate: 0.5% vs. 3% with open surgical discectomy
  - Lower re-herniation rate: 5% vs. 10-15% compared to open lumbar discectomy
  - No incision required
  - Decrease in:
    - Anesthesia
    - Procedure time
    - Recovery time

Product Benefits

- Removes quantifiable disc material
- No capital equipment required
- Unique to Stryker
- Provides sample for biopsy
- Four cannula sizes that regulate the amount of material aspirated
- Multiple lengths, gauges, and shapes allow procedure customization
- May be used in the lumbar, thoracic, and cervical regions of the spine

Chart 1

Please refer to this chart for Stryker recommended product pairings. Probes are straight unless otherwise indicated.

<table>
<thead>
<tr>
<th>Probes</th>
<th>Uses</th>
<th>Regions of Spine</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 Gauge</td>
<td>15 Gauge</td>
<td>17 Gauge</td>
</tr>
<tr>
<td>3(^\circ) Dekompressor</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>6(^\circ) Dekompressor</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>9(^\circ) Dekompressor</td>
<td>X</td>
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</table>

<table>
<thead>
<tr>
<th>Cannulae</th>
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</thead>
<tbody>
<tr>
<td>Shafts: 5 per pack. For use with 6(^\circ) 17 gauge straight or curved Dekompressor kits:</td>
</tr>
<tr>
<td>407-253-000</td>
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<tr>
<td>407-254-000</td>
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<tr>
<td>407-255-000</td>
</tr>
<tr>
<td>For use with 6(^\circ) 13 gauge straight Dekompressor kit:</td>
</tr>
<tr>
<td>407-275-000</td>
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<tr>
<td>For use with 6(^\circ) 15 gauge straight Dekompressor kit:</td>
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<td>407-276-000</td>
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</tbody>
</table>

Image 1. Stryker Dekompressor removes a measurable amount of disc material without annular or nuclear disruption.
Diagnostic accuracy studies show strong evidence that discography is a useful imaging tool that allows you to see intradiscal pathology that may be missed by other tests. During the procedure one or more discs are pressurized with contrast dye. The Stryker Discmonitor automatically displays pressure and volume as the dye outlines any damaged areas. As each disc is injected, the patient’s response to intensity, type, and location of the pain is monitored.

Discography generally takes about 30 to 60 minutes to perform and is typically covered by Medicare and most private insurers.

**Procedure Benefits**
- Images the morphology of the disc
- Reduces the chance of over-pressurizing the disc
- Provides real-time information for greater diagnostic accuracy
- Aids in treatment planning
- Offers an objective method for standardizing procedures
- Reduces false positive reporting
- Performs on an outpatient basis

**Product Benefits**
- Measures pressure and volume differentials Unique to Stryker*
- Can manually save key data points for up to six discs with the push of a button Unique to Stryker*
- Improves procedural standardization
- Automatically saves max values (pressure and volume)
- Provides real-time feedback via digital display
- Wirelessly printing of graphic and tabular data
- Reduces potential error—no hand-recording of data
- Can save opening pressure
- Has 20 ml reservoir
- Allows choice of injection options—plunger or syringe—for tactile feel or fine control

“With the use of pressure-controlled manometric discography, improved and more specific diagnostic categorization is possible.”

**Ordering Information**
- 407-290-000 Discmonitor Unit (10/pkg)
- 407-295-000 Printer