

Lumbar Support Brace Provides Benefits During Chronic Low Back Pain Therapy

TAMPA, FLORIDA, USA, September 25, 2015 /EINPresswire.com/ -- Lumbar support braces are often used as an adjunct in the treatment of low-back pain patients. The purpose is twofold. The first is to prevent reinjury and the second is to provide stabilization between treatments which aids in the healing process.

The following case study demonstrates the effective implementation of a lumbar support belt for adjunctive therapy:

- A 38 year old male presented with low back pain
- His symptoms include pain radiating down his right leg, his pain score is at a level 7 out of 10. He has trouble standing, walking
- He takes naproxen, cyclobenzaprine for pain management
- Initial attempts at pain relief included massage and ice

He was sent for MRI which showed:

- > Showed a diffuse annular bulge at L4. No impingement on the right L4 nerve root
- > No significant spinal stenosis

- He was started on ISCS treatment protocol
- After two weeks of care he begins to feel some relief and pain score is a level 4 he complains of back spasms following a post treatment session
- By week four his pain score is a level 3
- Along with ICSC he receives cyro-therapy and electrical stimulation
- Patient complains that pain resumes the next day and is not understanding why he is not pain free

Many physicians often attempt to limit certain aspects by not providing patients with an adequate lumbar support brace. When Integrity developed the ISCS treatment protocol, a comprehensive treatment plan was developed that included selecting the correct patient type, placing pre-set



treatment angles and therapeutic decompression force plus addressing post treatment therapy.

Additionally, the ISCS protocol addresses the need to have support both pre and post therapeutic spinal decompression.

The purpose of utilizing a lumbar support offers both pre and post treatment benefits.

Integrity's Brace Plus is designed to provide three vital functions, addressing pre and post treatment functions

#1: By having a posterior gel insert that can be heated and place into the Integrity Brace allows release of tension in muscles and soft tissues around lower spine. The heated posterior gel insert promotes increase circulation and assist relieving pain due to muscle spasms.

#2: The same posterior gel insert can be place in a cold environment for use during post treatment. Naturally, a cold pack would slow down inflammation, and decreases tissue damage. Furthermore, placing a cold posterior gel into the Integrity Brace would make the veins and tissues contract, reducing circulation. Once the cold posterior gel insert is removed, the veins overcompensate and dilate and blood rushes into the area. The infusion of blood in the area brings necessary nutrients to help the injured back muscles, ligaments, and tendons to increase the healing process.

#3: The function of the Integrity Brace is in post protocol support. During the first month of care, lumbar support is necessary. The Integrity back brace works by limiting the motion of the spine by offering support and by transferring the load off the disc to the abdominal area.

Integrity Life Sciences delivers a multitude of orthotic treatment options to address one of the most costly systemic ailments in the world, chronic low back and neck pain. The advanced solution begins with the Integrity Spinal Care System. Integrity's medical devices are non-surgical spinal decompression therapy systems engineered to provide pain relief for compressive and degenerative conditions of the spine. Specifically, conditions that may be treated include: neck pain and back pain associated with herniated discs, protruding discs, degenerative disc disease, posterior facet syndrome, and sciatica. It achieves these effects through decompression of intervertebral discs, that is, unloading due to distraction and positioning.

Team Integrity is guided by the leadership of Mr. James Gibson and a staff of managers, engineers, technicians, quality and regulatory approval professionals with a cumulative 50 plus year track record in the health care industry with specific demonstrated success in the global Non Surgical Spinal Decompression Industry. Integrity Life Sciences manufactures its products with quality and safety standards as demonstrated by its ISO 13485 registered quality system with TUV, SUD and the CE mark affixed to its product. Our FDA clearance together with compliance to global harmonized standards of both Mark CE and ISO 13485 allows Integrity Life Sciences to distribute to countries all over the world. As the owner of multiple US Patents, Integrity Life Sciences is committed to ongoing research and development in support of the worldwide healthcare community.

Prior to Integrity Life Sciences, Mr. Gibson founded Axiom Worldwide, Inc in 2001 and obtained multiple US FDA 510(k) clearances over the years. Axiom invented its flagship products, the DRX9000 True Non-surgical Spinal Decompression System and the DRX9000C, for use in medical markets around the globe. The DRX 9000 and the DRX9000 C were created to provide relief of back and neck pain and symptoms associated with herniated discs, bulging or protruding intervertebral discs, degenerative disc disease, posterior facet syndrome, and sciatica. The dedicated team at Integrity Life Sciences will continue to support legacy devices while pursuing continued medical innovations throughout the world.

Integrity Life Sciences is a privately held USA based company with international partners located across the globe with a mission of "Restoring Integrity to the Spine".

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