

# Orthozon Technologies' New Device Makes Back Surgery a Less Painful Choice



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In the Northeast, it comes on quickly. The weather can flip from soothing warm temperatures to biting cold in a matter of hours. Most people don't exactly welcome winter with eagerness, especially those suffering from back or leg pain due to a spine injury. Disc herniation and other ailments that compress the spinal nerves are only exacerbated by the cold weather.

"Cold weather decreases blood flow which slows the body's natural healing processes," said Joshua Aferzon, the CEO of Orthozon Technologies, a company that designs and produces medical devices to assist in spinal surgeries. "The cold also increases stiffness and fatigue which contribute greatly to the symptoms of chronic back pain."

Staying warm and stretching are potential solutions. However, for people with more prolonged pain that requires spinal surgery there is a new option: the Lumiere™ Retractor System. This patented device designed by the spine company Orthozon Technologies is designed to provide greater access and visibility for physicians, allowing them to perform spinal surgeries more quickly and efficiently. In turn, patients have shorter and less painful recovery periods.

While surgery should only be considered once every possible alternative treatment option has been attempted, it does offer a solution to ease the pain. Typical pain-relieving surgeries require large and invasive procedures that can produce 8-inch scars and 2-3 day overnight hospital stays. The Lumiere™ Retractor is leading the way for surgeons devoted to a class of new and cutting-edge techniques called minimally invasive surgery (or MIS).

"MIS surgeons are specifically trained to use advanced visualization and state-of-the-art instrumentation provided by the Lumiere Retractor System to drastically reduce incision size, blood loss, recovery time, and length of stay," said Aferzon. "Patients that are operated on using the advanced MIS Lumiere Retractor system require less than 1-inch incisions and can be discharged within four hours."

The Lumiere Retractor is recommended for use in minimally invasive discectomies, laminectomies, foraminotomies, transforaminal interbody fusion surgeries and similar techniques. It provides surgeons with maximal access and visibility in tough-to-reach areas. Current tubular retractor technologies suffer from limited visibility and access due to their complex, bulky, and outdated designs. For MIS surgeons looking to access deep anatomy with an easy-to-use tool, the Orthozon Technologies retractor includes rotatable blades to facilitate medial exposure and powerful fiber optic lighting to illuminate the surgical pathway.

Orthozon Technologies, LLC specializes in the development of spinal implants and instrumentation. Orthozon merges leading clinical experience and state-of-the-art engineering to create advanced surgical tools that allow for faster, simpler, and more efficient spinal surgeries and recovery. Orthozon Technologies' offices are located at 175 Atlantic Street in Stamford, CT. Additional information about Orthozon Technologies and the Lumiere™ Retractor System can be found at [www.orthozontechnologies.com](http://www.orthozontechnologies.com).