

FH Orthopedics announces more than 6,000 spinal disc prostheses sold

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FH Orthopedics is proud to announce that sales of its Cervical Prosthesis (CP-ESP®) and Lumbar Prosthesis (LP-ESP®) has exceeded 6,000 units. Designed to replace damaged discs in the cervical (neck) or lumbar (lower back) regions of the spine, CP-ESP and LP-ESP prostheses mimics the function and range of movement of a natural disc and allows the spine to behave naturally.

Widespread interest in both of the ESP disc prosthesis, and their swift acceptance by orthopedic and neuro surgeons and their patients, highlights the strong desire for products that can restore quality of health and life. "Most patients for disc replacement surgery are up to forty or fifty years old and wish to maintain their mobility," says Dr. Biren Desai, a specialist in orthopedic general and trauma surgery. "This type of surgery has been standardized now for many years and is performed quite routinely."

ESP discs combine two titanium end plates with an elastomeric cushion made of polycarbonate urethane. This structure imitates the natural disc, in which bony segments are connected by a spongy disc that provides flexibility while withstanding the pressures of compression and torsion. Specific features of the end plates — short spikes, a rough outer surface, and a coating of hydroxyapatite (HA), which is proven to enhance bone ingrowth — help to ensure stability and bony fixation of the implant over time.

This design provides a number of benefits for orthopedic surgeons and their patients:

- Adaptive center of rotation
- Shock absorbing
- Improved stability
- No surface bearing for increased lifetime
- Designed to fit and restore patient lordosis (spinal curvature)
- Range of sizes to fit different patients
- Minimally invasive surgical technique and shorter hospital stay

The CP-ESP prosthesis — indicated for use in cases of symptomatic cervical discopathy that have not responded to other medical treatments for at least six months — offers 7 degrees of flexion/extension, 5 degrees of lateral flexion, and 4.5 degrees of axial rotation.

The LP-ESP prosthesis — indicated for use in cases of lumbar disc disease, typically related to disc herniation, that have not responded satisfactorily to other treatments — offers 6 degrees of flexion/extension, lateral flexion, and axial rotation.

The quality and efficacy of ESP spinal implants, which has been demonstrated through years of clinical results, is frequently echoed in the sentiments of physicians who have used these implants with their own patients.

"The LP-ESP prosthesis has the advantage, compared to other prostheses, that it is similar to a natural disc," says Andreas Schmitz, a specialist in neurosurgery. "The prosthesis mimics the natural disc. It absorbs the pressure from above and maintains mobility. It is made of two titanium plates covered with titanium porous coating which improves bone ingrowth. After three weeks, the prosthesis is tightly fixed to the spine."

Schmitz goes on to say, "The LP-ESP prosthetic discs made by FH Orthopedics allow patients to rapidly return to work and to their daily activities."

