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The early and widespread use evolution of Endoscopic Spine Surgery in Taiwan

Medical intervention must first be as trauma-free as possible, otherwise, the treatment effect can be worse than the natural course of the disease. Medical or surgical intervention's primary goal is an improvement in patient functional outcome. Measuring functional improvement is accomplished using multiple standardized instruments. Open Midline Lumbar Discectomy is a familiar procedure to most spine surgeons and results in good outcomes. However, open surgery often requires muscle retraction, bone resection of the lamina and facet joints and dural sac and nerve retraction.

Transforaminal Endoscopic Lumbar Discectomy is a minimally invasive spinal surgery procedure that was introduced by Kambin and Gellman in 1983. Advances in endoscopic visualization and instrumentation, as well as increased patient demand for more minimally invasive procedures, have led to the increased popularity of the technique.

Minimally Invasive Transforaminal Endoscopic Procedures can achieve spinal decompression through either direct or indirect techniques. Minimally Invasive Spinal Surgery is gradually expanding. These techniques must be fully understood to fully understand the spine anatomy, have the correct clinical guidance and have a correct understanding of the underlying complications.

Minimally Invasive Spine (MIS) procedures avoid extensive soft tissue dissection and disruption of the stabilizing paraspinous musculature, which can substantially decrease postoperative morbidity and improve health care economics. There has been an increasing demand for less invasive surgical options by both patients and referring physicians as evidence for the utility and benefit of MIS techniques continues to propagate.

Biography

Jiao-Chiao Yang is a Spinal Surgeon who has fully engaged in the field of Minimally Invasive Spinal Surgery and established his own Lohas Hospital, aiming to treat every patient with the best environment. Besides, he has a big heart to help all talented future generation which is why he founded Taiwan Society of Spine Endoscopy Surgery as a platform to introduce the greatest technique from all over the world to Taiwan. He is also an experienced surgeon, who is willing to share his vision and thought to every associate interested in the same medical field, which is why it means a lot to him to participate in the grand event.

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