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Transforaminal Endoscopic Spine System for treatment of Lumbar Adjacent Segment Disease

Statement of the problem: Adjacent Syndrome Disease (ASD) is the recurrence of symptoms associated with the degeneration at the free segment above or below the fusion segments. In spine surgery, it is always a dilemma for spine surgeons owing to the difficulty of surgical approach and risk concerns from patients. However, the methods of fusion are used wildly in Spine Instability and Degenerative Disc Diseases and senile patients have more opportunities to face the problems of ASD. Transitional Open Revision Surgery is a time-consuming procedure with high risks of dura tear and nerve root injury that hesitate the surgeons to perform this kind of surgery. The purpose of this study is to describe the experience of Transforaminal Endoscopic Spine System (TESSYS) to treat the ASD with minimal risk.

Methodology & Theoretical Orientation: Eight patients who were received Lumbar Spine Fusion had symptomatic ASD at L3-4, L4-5, L5-S1 levels, which was confirmed by MRI. Those patients were received TESSYS management

Findings: All the patients were relieved from the Lumbar Adjacent Segment Disease without any complications.

Conclusion & Significance: TESSYS is a safe and effective procedure to manage ASD consequently it prevents expectable dura and root injury.

Biography

Chi-Huan Li has been enrolled in the field of Trauma, Arthroplasty and major in Spine Surgery in Orthopedic Department of Chang Bing Show Chawn Memorial hospital since 2008. He is also interested in the new surgical technique and knowledge, especially in the field of Spine Disease and Minimally Invasive Surgery. He has participated actively in regional and international orthopaedic and spine meetings like as AAOS, PASMISS, COA and JOA. He is also the member of some of the orthopaedic societies and associations, speaker and instructor of IRCAD Taiwan.

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