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Iliac screws in Lumbo-Sacro-Iliac Fixation Lumbosacral Pathologies: Our experience

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Background: Lumbo-Sacro-Pelvic Fixation may be required for complex lumbosacral pathologies where L5 or S1 screws cannot be placed. Iliac screw technique is adopted in treating certain typical conditions requiring long segment fixation such as in correction of adult Scoliosis, reduction of high-grade Spondylolisthesis, Sacral Fractures and surgical treatment of sacral tumors.

Methods: We describe our experience at our institution in which polyaxial pedicle screws construct has been successfully used.

Results: No instrumentation failure was noted. Continuity of


spine and pelvis was well established with the instrumentation. Patients were followed up for 6- 12 months.

Conclusion: Lumbo-Sacro-Pelvic-Fixation using iliac screw has been shown to improve biomechanical strength and seems to provide acceptable clinical result. Further follow up studies with long term clinical outcomes will be recommended

Speaker Biography

Vivek Rameshchandra Patel has completed his MBBS, MS, General Surgery at Nagpur. He had Fellowship at Indian Association of Gastrointestinal Surgeons, Mumbai, India and DNB Neurosurgery, New Delhi, India. Currently, pursuing Neurosurgery with special interests in the fields of spine surgery, Neuroendovascular surgery Fortis Hospital Mumbai.

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