Clinical efficacy of screw and rod reset interbody fusion fixation for spondylolisthesis

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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To observe the clinical curative effect of nail rod reduction and intervertebral fusion device fixation for lumbar spondylolisthesis. Methods: Data of 76 cases of spondylolisthesis patients that were admitted to our hospital during March 2006 and February 2010 were retrospectively analyzed. All cases underwent nail rod reduction and intervertebral fusion device fixation surgery. Talillard index, VAS, LBOS, lumbar lordosis, vertebral space height index before and after underwent the surgery as well as postoperative complications were observed and compared. Results: According to 12-18 months follow up, outcomes were excellent in 56 patients, good in 14 showed, and ok in 6 cases. Dural injury and cerebrospinal fluid leakage was observed in 1 case. Significant difference in Talillard index, VAS, LBOS, lumbar lordosis, vertebral space height index before and after underwent the surgery. Conclusions: Screw rod reduction and intervertebral fusion device fixation shows good effects for lumbar spondylolisthesis with advantages of little complications, and quick postoperative recovery, thus it is worthy of popularization and application.

[KEY WORDS] Screw rod reduction; Intervertebral fusion device; Lumbar spondylolisthesis