

# Clinical Study on the Therapeutic Efficacy of Biportal Endoscopic Decompression Spine Surgery and Lumbar Decompression Fusion Surgery in the Treatment of Degenerative Lumbar Spondylolisthesis

NCT07289737

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<b>Status</b>	RECRUITING
<b>Sponsor</b>	The Fourth Affiliated Hospital of Zhejiang University School of Medicine
<b>Enrollment</b>	100 participants

## Key Eligibility Criteria

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### Inclusion (4)

- Aged between 50 and 90 years old with a confirmed diagnosis of degenerative lumbar spondylolisthesis;
- Clinical symptoms include chronic pain, nerve compression, or motor dysfunction, confirmed by imaging studies (e.g., MRI or CT);
- No significant improvement after at least 3 months of conservative treatment (e.g., medication, physical therapy), meeting surgical indications;
- Understand and consent to the relevant procedures of this study, and sign the informed consent form.

### Exclusion (5)

- Patients exhibiting acute spinal cord compression symptoms or requiring urgent surgical intervention;
- Patients with a history of spinal surgery or conditions such as spinal deformities, severe osteoporosis, or active infections that may compromise surgical outcomes;
- Patients with severe comorbidities affecting assessment, such as cardiovascular disease, liver or kidney failure, or uncontrolled diabetes;
- Patients with psychiatric disorders or cognitive impairments preventing understanding or cooperation with the study process;
- Patients with allergies to anesthetics or surgical equipment that may increase intraoperative risks.

## Locations (1 total)

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4th Affiliated Hospital, School of Medicine, Zhejiang University, Yiwu, Zhejiang, China