

Complication Rate and Clinical Outcomes of Anterior Lumbar Interbody Fusion

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Type	Service Evaluation
Specialty	orthopaedics
Trust	Guy's and St Thomas' NHS Foundation Trust
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Background

Anterior lumbar interbody fusion (ALIF) is a complex spinal procedure performed at Guy's Hospital for patients with degenerative disc disease and spinal instability. Local complication rates and long-term clinical outcomes for our cohort had not previously been systematically reviewed. Benchmarking against published data is important to ensure the procedure is being performed safely and effectively within our unit.

Aims

To retrospectively assess local complication rates and patient outcomes following anterior lumbar interbody fusion at Guy's Hospital.

Objectives

1. Identify all adult patients who underwent ALIF at Guy's Hospital between January 2015 and December 2020.
2. Document 90-day complication rates including wound, neurological and vascular complications.
3. Collect clinical outcome data including pain scores and functional status at follow-up.
4. Compare local complication rates against published national and international benchmarks.

Guidelines

Published literature benchmarks for ALIF outcomes

Keywords

ALIF, anterior lumbar interbody fusion, spinal surgery, complication rate, lumbar spine