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Summary

EVALUATION OF THE SAFETY AND EFFICACY OF TRANSORAL INCISIONLESS FUNDOPLICATION (TIF2.0) FOR GASTRO-OESOPHAGEAL REFLUX DISEASE: A UK COHORT STUDY

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Oesophagus

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A UK retrospective cohort study of 81 patients found transoral incisionless fundoplication (TIF2.0) achieved 97.5% technical success and 71.7% clinical response for GORD over 15.5 months median follow-up, with recurrent hiatus hernia the main cause of treatment failure.

KEY POINTS

- TIF2.0 was performed on 81 patients between 2019-2023, of whom 84.6% had hiatus hernia with average size 1.9cm and average acid exposure time 8.9%
- Complete response, defined as cessation of regular anti-acid therapy, was achieved in 55% of patients, while 71.7% achieved partial response with reductions in therapy, symptoms, or physiological parameters
- GERD-HRQL scores decreased significantly from 33.9 to 9.1 and acid exposure time from 8.9% to 5.1% among patients with paired pre- and post-procedure testing
- Procedure-related adverse events occurred in 12.2% of patients and were all managed conservatively, including one delayed perforation treated with antibiotics and endoscopic vacuum therapy
- Seven patients required revisional procedures, with 83.3% due to recurrent hiatus hernia, highlighting the importance of patient selection

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