

OBSTRUCTIVE LUNG DISEASE IN INFLAMMATORY BOWEL DISEASE: A NATIONWIDE COHORT STUDY

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Poster

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A Danish nationwide cohort study of 266,618 individuals found a significant bidirectional association between inflammatory bowel disease and obstructive lung diseases, with IBD patients showing 60% higher odds of prior obstructive lung disease and over 40% increased risk of developing obstructive lung disease after IBD diagnosis.

KEY POINTS

- The study included 24,238 individuals with IBD and 242,380 matched controls without IBD, using Danish national registry data from 1999 to 2018.
- Individuals with IBD had a 60% higher likelihood (adjusted odds ratio 1.60, 95% CI: 1.53-1.67) of having obstructive lung disease up to four years before IBD diagnosis compared to controls.
- After IBD diagnosis, patients showed over 40% increased risk of developing obstructive lung disease, confirmed by sensitivity analysis with adjusted hazard ratio of 1.63 (95% CI: 1.53-1.73).
- The authors conclude that the findings suggest a significant bidirectional association and call for further investigation of gut-lung axis mechanisms.

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