BURDEN OF PERIANAL DISEASE AND PERIANAL SURGERY IN CROHN'S DISEASE OVER DIFFERENT THERAPEUTIC ERAS – A POPULATION-BASED STUDY FROM WESTERN HUNGARY BETWEEN 1977–2020, DATA FROM THE VESZPREM COUNTY COHORT

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In a 43-year population-based cohort of 946 incident Crohn's disease patients, perianal surgical intervention rates remained stable at approximately 28-34% at 10 years despite increasing biologic use over three therapeutic eras.

KEY POINTS

- Perianal disease was present at diagnosis in 17.4% of patients and developed in an additional 9.3% during follow-up, with prevalence at diagnosis declining from 24.7% in 1977-1995 to 13.2% in 2009-2018.
- Among patients with perianal disease, 44.7% underwent perianal surgical procedures during follow-up, with cumulative probability reaching 28.3% at 10 years, 41.0% at 20 years, and 64.1% at 30 years.
- Biologic therapy use in perianal disease patients increased substantially across eras, from 0% at 5 years in cohort A to 42.5% in cohort C, and was significantly higher than in the overall CD population.
- Perianal surgical intervention rates showed no statistically significant difference across the three therapeutic eras despite increased immunosuppressive and biologic use.
- Stenosing or penetrating disease behavior was the only independent predictor of perianal surgical procedure in multivariate analysis.

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