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## Adherence to the porto criteria in the diagnostic procedure in Hungary based on the data of Hungarian Pediatric IBD Registry (HUPIR)

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**Introduction:** Despite the continuous research efforts, the exact Etiology of chronic inflammatory bowel diseases (IBD) are still largely unknown. The incidence of pediatric-onset IBD is constantly growing in Hungary. It is of note however, that the necessary evaluation of the cases according to the Porto criteria are not always conducted completely (to do upper endoscopy, entering to the terminal ileum, and evaluation of small intestine involvement with imaging techniques, preferably with MRI).

**Aim:** The Hungarian Pediatric IBD Registry (HUPIR) is a nationwide database for prospectively registering pediatric IBD cases. The aim of our study was to evaluate the changes in adherence to the Porto criteria in the diagnostic evaluations over time according to the data of HUPIR.

**Results:** The average incidence rate of pediatric IBD was 8.4/100 000 between 2007 and 2016. According to the data collected in HUPIR, the incidence rate elevated by 23% in this period (from 7/100 000 to 9.1/100 000). The incidence rate of Crohn's disease elevated from 4.2/100 000 to 5.7/100 000 (26%), and the rate for colitis ulcerosa changed from 2.1/100 000 to 2.7/100 000 (22%). The diagnostic procedure adhered completely to the Porto criteria only in 27% of the cases in the first year, but this rate improved to 46% by 2015. The frequency of ileocolonoscopy improved from 51% to 88%, in addition, the rate of upper endoscopy increased from 51% to 87% in the same period. Diagnostic assessment of the small intestine with imaging techniques was conducted in 46% of the cases registered in HUPIR.

**Conclusions:** Based on the evaluation of data of HUPIR, the diagnostic adherence to Porto criteria grew approximately two fold in the last eight years. This improvement should be multi-factorial, but HUPIR must have a significant role in the process. Our positive experiences could stand as an example for countries where nationwide registry for IBD is not yet established.

### Biography

Gabor Veres is a Professor of Paediatrics at the Semmelweis University, Budapest, Hungary. He is the President of the Hungarian Paediatric Gastroenterology Society, Deputy Director, and Head of the Gastroenterology Unit of first Dept. of Paediatric Clinic in Budapest. Currently, he is a Member of ESPGHAN Porto Group (2007) and was a Committee Member of Paediatric ECCO from 2013 to 2016. He was a Committee Member of ESPGHAN and UEG, and Education secretary of ESPGHAN from 2013 to 2017. He organized the Hungarian Paediatric IBD Registry (HUPIR) in 2007 and published 174 peer-reviewed papers and 13 book chapters mainly in the field of paediatric IBD.

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