

Helicobacter pylori infection in North-East Poland between 1996 and 2011 on the base of histological examination

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A- Conception and study design; B - Collection of data; C - Data analysis; D - Writing the paper; E- Review article; F - Approval of the final version of the article; G - Other (please specify)

ABSTRACT

Purpose: The aim of the study was to conduct a 15-year (1996-2011) observations on the frequency of *Helicobacter pylori* stomach infection in patients having performed gastroscopy in the Endoscopy Unit District Hospital of Białystok, Poland

Materials and methods: Out of the 27421 patients who underwent a gastroscopy in 1996-1997, 2000-2001, 2005-2006, and 2010-2011 years were selected 4216 subjects who had performed histological examination of gastric mucosal specimens for *H. pylori* infection. The mucosal specimens after placed in buffered formalin, were subjected to standard

histological procedure, and stained with hematoxylin-eosin and Giemsa.

Results: Stomach infection with *H. pylori* was 73.36% (1996-1997), 48.60% (2000-2001), 33.61% (2005-2006) and 32.30% (2010-2011); only between the last two 2-year intervals the difference was not significant.

Conclusions: The results of current study indicate on steadily declining stomach infection with *H. pylori*.

Key words: *Helicobacter pylori*, histology, gastric mucosa
