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European registry on the management of helicobacter pylori infection (HP-EUREG protocol): The first results of Russian centers

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Abstract

Aim: To assess the clinical practice of diagnosis and treatment in patients with *Helicobacter pylori* infection and to compare this practice with the international guidelines in the European Registry on the management of *Helicobacter pylori* infection, Hp-EuReg protocol), a multicenter prospective observational study initiated by the European *Helicobacter* and Microbiota Study Group. **Materials and methods:** The data of 813 patients infected with *H. pylori* and entered in the Hp-EuReg register by the Russian centers in 2013-2015 were analyzed. **Results:** The most common methods for the primary diagnosis of *H. pylori* infection are histology (40.3%), rapid urease test (35.7%), and serology (17.2%). The duration of *H. pylori* eradication therapy was 7, 10, and 14 days in 18.0, 49.3, and 25.1%, respectively. To monitor the effectiveness of treatment, the investigators used a histological examination (34%), a urea breath test (27.3%), *H. pylori* stool antigen (22.8%), and a rapid urease test (16.3%). A serological test was carried out in 2.5% of the cases. No monitoring was done in 13.5% of the patients. The average eradication efficiency was 82.6%. If the therapy was ineffective, 80% of physicians did not intend to prescribe a new cycle of treatment. **Conclusion:** Significant differences were found between clinical practice and the current guidelines.

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Keywords

Clinical practice, *Helicobacter pylori*, Hp-EuReg, Patient register