

# 山东临胸胃癌高发人群和北京人群Lewis血型抗原相关SE基因多态性分析 Analysis of Polymorphisms on Lewis Blood Group Antigen Related SE Gene in the Populations in Shandong with High-risk of Gastric Cancer and Beijing

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**摘要** 为探讨宿主的遗传背景和幽门螺杆菌 (Helicobacter pylori, H. pylori) 相关胃癌的易感性之间的关系, 本文采用PCR产物直接测序和PCR-RFLP的方法, 检测142例山东临胸县胃癌高发人群个体 (包括69例癌症患者和73例非癌个体) 和93例北京正常对照个体SE基因多态性的分布特点。结果显示: sew/sew基因型在山东非癌个体和北京人群之间的分布差异具有统计学意义 ( $P < 0.01$ , OR=3.06, 95% CI, 1.28~7.30), sew/sew基因型在山东癌症病人和非癌个体之间分布频率无显著性差异, H. pylori感染状况与SE基因型的分布也无关联性。提示: sew/sew纯合突变在山东临胸人群中分布频率较高, 可能为临胸人群的遗传标记之一。

**Abstract:** To study the relation between host genetic background and the susceptibility to H. pylori associated gastric cancer, PCR-sequencing and PCR-RFLP were used to screen SECRETOR gene polymorphisms in 142 subjects including 69 cancer patients and 73 non-cancer individuals from high-risk area of gastric cancer in Shandong and 93 control individuals from Beijing. Results showed that the difference in sew/sew distribution between non-cancer individuals and Beijing population was significant ( $P < 0.01$ , OR is 3.06, 95% CI, 1.28~7.30), but that between cancer patients and non-cancer individuals was not with significance. SE gene polymorphism was not relevant to H. pylori infection. We concluded that Shandong population from high-risk area of gastric cancer shared a high distribution of sew/sew genotype, which could be considered as one of the genetic markers.

**关键词** 胃癌 Lewis血型抗原 SECRETOR基因 基因多态性 **Key words** gastric cancer Lewis blood group antigen SECRETOR gene gene polymorphism

分类号

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## Abstract

## Key words

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