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Basic Study

Plasma microRNAs as potential new biomarkers for early detection of early gastric cancer

Zhu XL *et al.* Five miRNAs as biomarker for EGC

Xiao-Liang Zhu, Long-Fei Ren, Hai-Ping Wang, Zhong-Tian Bai, Lei Zhang, Wen-Bo Meng, Ke-Xiang Zhu, Fang-Hui Ding, Long Miao, Jun Yan, Yan-Ping Wang, Yu-Qin Liu, Wen-Ce Zhou, Xun Li

Abstract

BACKGROUND

Early gastric cancer (EGC), compared with advanced gastric cancer (AGC), has a higher 5-year survival rate. However, due to the lack of typical symptoms and the difficulty in diagnosing EGC, no effective biomarkers exist for the detection of EGC, and gastroscopy is the only detection method.

AIM

To provide new biomarkers with high specificity and sensitivity through analyzed the differentially expressed microRNAs (miRNAs) in EGC and AGC and compared them with those in benign gastritis (BG).

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