

miRNA与siRNA胃癌相关研究的现状及进展

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摘要 RNA干扰是表观遗传学的研究热点,它参与基因复制后表达调控,并与肿瘤发生密切相关。近年对RNA干扰研究较多的是微小RNA和小干扰RNA。文章概述了微小RNA和小干扰RNA的基本理论,并综述它们在胃癌研究中的现状及进展。认为RNA干扰分析和应用是研究胃癌相关基因功能及作用机制的有效方法,并将对胃癌的诊治产生巨大影响。

关键词: 微小RNA 小干扰RNA RNA干扰 胃癌

Abstract: RNA interference (RNAi) is an important topic of epigenetics research in post-genome period. RNAi works as a post-DNA replication regulator for gene expression, and it is related to the occurrence and development of malignant tumors. The most usual participators of RNAi are MicroRNA (miRNA) and small interference RNA (siRNA). This review summarizes the basic theory of miRNA and siRNA, and provides recent progresses of RNAi research on gastric cancer. RNAi analysis and technique not only act as powerful tools for studying gene function and action mechanism, but also have diagnostic and therapeutic potential in gastric cancer, even in all kinds of tumors.

Keywords: microRNA, siRNA, RNAi, gastric cancer

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