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Author: Huizhang Li, Chuanli Ren, Zhining Fan, ...

Publish Year: 2012

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**Inflammation-associated genetic variants** have been highly associated with cancer risk. Polymorphisms in the gene cyclooxygenase-2 (COX-2), a pro-inflammation factor, have been suggested to alter the risk of multiple tumors, but the findings of various studies are not consistent.

**Author:** Xiao-feng Wang, Ming-zhu Huang, Xiao-wei Zhang, Rui-xi Hua, Wei-jian Guo

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[Cyclooxygenase-2 polymorphisms and susceptibility to ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2988247>

Nov 21, 2010.: Accumulated evidence indicates that the cyclooxygenase 2 (COX-2) play an important

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Text-Only Report

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 63362

Manuscript Type: MINIREVIEWS

Genetic variant of cyclooxygenase-2 in gastric cancer: More inflammation and susceptibility

Genetic variant of cyclooxygenase-2 in gastric cancer

Abstract

Gastric cancer accounts for the majority cancer-related deaths worldwide. Although various methods have considerably improved the screening, diagnosis and treatment of gastric cancer, its incidence is still high in Asia, and the 5-year survival rate of many patients is only 10-20% in advanced gastric cancer. Therefore, more effective drugs and better screening strategies are needed for reducing the incidence and mortality of gastric cancer.

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Author: Huizhang Li, Chuanli Ren, Zhining Fan, G...

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[Genetic Variants in Cyclooxygenase-2: Expression and Risk ...](#)

<https://www.sciencedirect.com/science/article/pii/S0016508506005701>

Jun 01, 2006 · A few case-control studies have suggested that **genetic variants** in COX-2 were associated with an increased risk of certain cancers.<sup>21, 22, 23, 24, 27</sup> The -765G→C polymorphism is located within a putative SP1 binding site and may have lower promoter activity and result in the down-regulation of COX-2 expression.<sup>26</sup> Previous studies demonstrated an association between the ...

Cited by: 123

Author: Fen Liu, Kaifeng Pan, Xuemei Zhang, Yan...

Publish Year: 2006

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