

Association of the rs2094258 polymorphism with gastric cancer prognosis

Xiao-Qin Wang, Paul D Terry, Yang Li, Yue Zhang, Wen-Jing Kou, Ming-Xu Wang

Abstract

BACKGROUND

The Xeroderma pigmentosum group G (XPG) gene at chromosome 13q33 consists of 15 exons, which may be related to the occurrence and development of gastric cancer (GC).

AIM

To examine several common single nucleotide polymorphisms (SNPs) in relation to GC risk and survival.

METHODS

Five SNPs of XPG (rs2094258, rs751402, rs873601, rs2296147 and rs1047768) were genotyped by PCR restriction fragment length polymorphism in 956 histologically confirmed GC cases and 1012

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The **association** between XPG **rs2094258 polymorphism** and GC risk was investigated first by a hospital-based case-control study involving 386 patients and 439 controls and then by a meta-analysis. The **polymorphism** was genotyped by polymerase chain reaction-restriction fragment length **polymorphism** (PCR-RFLR).

Author: Zhe Zhang, Jiefeng Yin, Qi Xu, Jianfen... **Publish Year:** 2018

Association between XPG polymorphisms and stomach ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4831351>

Previous studies have indicated some **polymorphisms** in the XPG gene are associated with **stomach cancer** susceptibility. We performed this hospital-based case-control study to evaluate the **association** of four potentially functional XPG **polymorphisms** (**rs2094258** C>T, rs751402 C>T, rs2296147 T>C and rs873601G>A) with **stomach cancer** susceptibility.

Cited by: 7 **Author:** Yun-Zhi Chen, Fang Guo, Hong-Wei Sun,...

Publish Year: 2016

Association of Polymorphisms in three pri-miRNAs that ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5220333>

Sequenom's MassArray was used to genotype the **miRNA polymorphisms** in 724 **gastric cancer** cases, 862 **atrophic gastritis** cases and 862 controls in a Chinese population. We found that let-7e rs8111742 and **miR-4795 rs1002765** were associated with the risk of gastric cancer in the H. **pylori**-positive subgroup.

Cited by: 2 **Author:** Ye-feng Wu, Qian Xu, Cai-yun He, Ying Li...

Publish Year: 2017

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DNA damage. Polymorphisms of core NER genes could change NER ability and affect gastric cancer (GC) prognosis. We systematically analyzed the association between 43 SNPs of ten key NER pathway genes (ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, ERCC6, ERCC8, XPA, XPC, and DDB2) and overall survival (OS) of 373 GC patients in Chinese.

Cited by: 4 **Author:** Jingwei Liu, Na Deng, Qian Xu, Liping Su...

Publish Year: 2016

Association between ERCC5 gene polymorphisms and breast ...

https://www.researchgate.net/publication/277778081_Association_between_ERCC5_gene...



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Association between the XPG gene rs2094258 polymorphism ...

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Odds ratios (ORs) and 95% CIs of individual studies and pooled data for the association between **Xeroderma pigmentosum group G (XPG)** gene rs2094258 polymorphism and gastric cancer (GC) risk in the stratification analysis of genotyping methods (allele model, T vs C)

Author: Zhe Zhang, Jiefeng Yin, Qi Xu, Jianfen... **Publish Year:** 2018

Association between the XPG gene rs2094258 polymorphism ...

https://www.researchgate.net/publication/324987339_Association_between_the_XPG_gene...

Previous studies demonstrate some **XPG gene polymorphisms** are associated with susceptibility to **gastric cancer** (GC). Methods The **association between XPG rs2094258 polymorphism and GC risk** ...

Lack of association between ERCC5 gene polymorphisms and ...

<https://www.geneticsmr.com/articles/6548> ▾

We conducted a case-control study to assess the **association** between single nucleotide **polymorphisms** in the ERCC5 promoter (**rs2094258** and rs751402) and development of **gastric cancer** in a Chinese population. This investigation included 184 patients with pathologically diagnosed **gastric cancer** and 206 healthy subjects recruited between October 2012 and December 2014.

Polymorphism of DNA Methyltransferase 3b and Association ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4532499>

This study aimed to investigate the association between single **nucleotide polymorphisms (SNPs)** of the **DNMT3b gene and susceptibility** and prognosis of gastric cancer. Methods Four hundred and forty-seven **histologically-confirmed** gastric cancer cases, 111 **gastric atrophy cases** and 961 tumor-free controls were enrolled into the study.

Cited by: 9 **Author:** Chuan Wang, Zhifang Jia, Donghui Cao, L...

Publish Year: 2015

The Association Between AURKA Gene rs2273535 ...

<https://www.frontiersin.org/articles/10.3389/fphys.2018.01124> ▾

Aug 17, 2018 · The **Association** Between AURKA Gene rs2273535 **Polymorphism** and **Gastric Cancer** Risk in a Chinese Population Xiaoyan Zhou 1 , Pengli Wang 2 and Hui Zhao 3* 1 Department of Oncology, Affiliated Hospital of Shaanxi University of Chinese Medicine, Xianyang, China

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Author: Zhe Zhang, Jiefeng Yin, Qi Xu, Jianfe... Publish Year: 2018

Polymorphisms of ICAM-1 are associated with gastric cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3261532>

Jan 28, 2012 · Association between ICAM-1 +469 A/G polymorphism and clinicopathological parameters of patients with gastric cancer ICAM-1 +469 A/G polymorphism and GC prognosis To evaluate whether the ICAM-1 +469 A/G polymorphism in GC correlates with a worse prognosis, Kaplan-Meier survival curves were constructed using overall cumulative survival to compare ...

Cited by: 18 Author: Meng-Meng Tian, Yu Sun, Zhong-Wu Li, ...
Publish Year: 2012

Association between XPG polymorphisms and stomach ...

europepmc.org/articles/PMC4831351

May 01, 2016 · 14 conducted a study involving only 40 stomach cancer cases and 247 controls, and failed to find any association between rs17655 C>G polymorphism and stomach cancer susceptibility. He et al . 16 genotyped three potentially functional XPG SNPs (rs2094258 C>T, rs2296147 T>C and rs873601G>A) in 1125 stomach cancer cases and 1196 controls.

Cited by: 7 Author: Yun-Zhi Chen, Fang Guo, Hong-Wei Sun...
Publish Year: 2016

Association of MTOR and AKT Gene Polymorphisms with ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4552869>

Studies suggest that MTOR rs1064261 and AKT rs1130233 polymorphisms are associated with risk and/or prognosis of multiple cancer types. However, this relationship with gastric cancer (GC) remains unclear. The aim of this study was to investigate the role of MTOR and AKT polymorphisms in the risk and prognosis of GC.

Cited by: 6 Author: Ying Piao, Ying Li, Qian Xu, Jing-wei Liu, ...
Publish Year: 2015

The Association Between AURKA Gene rs2273535 ...

<https://doi.org/10.1002/jcla.22564>