

免疫相关基因Tap2、HLA-DR9与新疆哈萨克族食管癌的交互作用

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A 1:2 Case-control Study of Tap2/HLA-DR9 Gene Polymorphism with Esophageal Cancer in Kazakh

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摘要 目的探讨Tap2379、Tap2665基因多态性、HLA-DR9等位基因频率与新疆哈萨克族(简称哈族)食管癌的相关性。方法采用1:2配比的病例对照研究,收集哈族食管癌194例,健康对照388例,运用序列特异性引物聚合酶链反应-限制片段长度多态技术(PCR-RFLP)检测Tap2379、Tap2665基因多态性,序列特异性引物聚合酶链反应(PCR)检测HLA-DR9等位基因频率,采用 χ^2 检验、多因素条件Logistic回归进行统计分析。结果病例组与对照组间比较, Tap2379基因型差异有统计学意义($\chi^2=18.247, P<0.05, OR=2.347, 95\%CI: 1.587\sim 3.471$); Tap2665基因型差异无统计学意义($\chi^2=2.175, P>0.05, OR=1.317, 95\%CI: 0.919\sim 1.899$); HLA-DR9等位基因频率差异有统计学意义($\chi^2=13.443, P<0.05, OR=2.343, 95\%CI: 1.486\sim 3.693$)。多因素条件Logistic回归示: Tap2379位多态性分布、HLA-DR9等位基因阳性率、食管或胃疾病史在哈萨克族食管癌和健康对照组间存在差异。交互作用示: Tap2379位多态性与HLA-DR9等位基因协同作用时可使食管癌的发生危险性增加到5.302倍(95%CI: 2.363~11.900)。结论Tap2379位Val(G)→Ila(A)转变、HLA-DR9等位基因阳性为哈族食管癌的危险因素,两者对食管癌的发生存在效应修饰作用。

关键词: 关键词:哈萨克族 食管癌 Tap2379 Tap2665 HLA-DR9

Abstract: ObjectiveTo

evaluate the association between Tap2379/Tap2665 genetic polymorphisms/ HLA-DR9 immune associated gene and esophageal cancer (EC) in a high incidence Kazakh of Xinjiang. MethodsA case-control study was conducted with 194 cases of EC and 388 controls. Tap2379/Tap2665 genotypes were detected by PCR-RFLP and HLA-DR9 allele gene were identified by PCR.The conditional logistic regression model was performed in this study. ResultsTap2379 genotype frequencies of esophageal cancer group was different from the controls($\chi^2=18.247, p<0.05, OR=2.347, 95\%CI: 1.587\sim 3.471$); Tap2665 genotype did not find this difference($\chi^2=2.175, P>0.05, OR=1.317, 95\%CI: 0.919\sim 1.899$); HLA-DR9 allele positive of case group was different from the controls($\chi^2=13.443, P<0.05, OR=2.343, 95\%CI: 1.486\sim 3.693$).Multivariate conditional logistic regression analysis showed: Tap2379 genetic polymorphisms/ HLA-DR9 gene and history of esophageal or stomach disease were risk factors of Kazakh esophageal cancer. The interaction analysis showed Tap2379 genetic polymorphisms with HLA-DR9 allele gene significantly increased risk to the development of esophageal cancer 5.302(95%CI: 2.363~11.900).ConclusionTap2379 genetic polymorphisms and HLA-DR9 allele gene are important risk for EC, Tap2665 genotype did not found this action. Tap2379 and HLA DR9 showed an additive risk to develop esophageal carcinoma.

Key words: Kazakh Esophageal cancer Tap2379 Tap2665 HLA-DR9

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- [1] 刘丽华;孟君;张璵;段玉青;王士杰;单保恩. 运用MALDI-TOF MS方法建立食管癌患者血清蛋白指纹图谱诊断模型[J]. 肿瘤防治研究, 2012, 39(2): 169-172.
- [2] 王丽芳;卢安;孟凡茹;曹青;纪昕;单保恩. 香加皮三萜类化合物对实验性大鼠食管癌的阻断作用及机制[J]. 肿瘤防治研究, 2012, 39(1): 23-27.
- [3] 侯向生;万清康;郑慧禹;常国涛. 大网膜环包术预防食管胃吻合口瘘临床应用体会[J]. 肿瘤防治研究, 2012, 39(1): 118-119.
- [4] 陈正言. 食管黏膜癌变过程中组织细胞增殖、凋亡和p53表达的变化 [J]. 肿瘤防治研究, 2011, 38(8): 918-920.
- [5] 张振华;吴敬波. 脂质体阿霉素热化疗对食管癌细胞的毒性实验研究[J]. 肿瘤防治研究, 2011, 38(7): 736-739.
- [6] 林宏伟;白桦;栗敏;肖鹏;陈奎生;张红新. 间隙连接蛋白Cx26和Cx43的表达及与食管鳞癌浸润和转移关系[J]. 肿瘤防治研究, 2011, 38(7): 809-813.
- [7] 吴正国;龚家权. 机械吻合和手工吻合在国人食管癌术后吻合口瘘发生率的Meta分析[J]. 肿瘤防治研究, 2011, 38(7): 823-826.
- [8] 巩合义;和劲光;李宝生. 18F-FDG PET/CT在食管癌中的应用 [J]. 肿瘤防治研究, 2011, 38(7): 840-843.
- [9] 孙晓宏;庞作良;罗洞波. 转录水平环氧合酶-2在食管癌中的表达及临床意义 [J]. 肿瘤防治研究, 2011, 38(7): 830-831.
- [10] 梅家转;刘桂举;李瑞君;栗敏;张晓娟. IL-15上调NKG2D表达对CIK细胞杀伤活性的增强效应 [J]. 肿瘤防治研究, 2011, 38(5): 495-497.
- [11] 吕鹏;胡志坚. 乙醇脱氢酶2基因多态性与食管癌发病风险的Meta分析[J]. 肿瘤防治研究, 2011, 38(5): 579-583.
- [12] 许林平;庞雅青;买玲. 食管癌血管形成相关因子的表达及意义 [J]. 肿瘤防治研究, 2011, 38(3): 286-290.
- [13] 石国庆;吴会超;徐刚. 超声内镜在食管癌TN分期中的应用 [J]. 肿瘤防治研究, 2011, 38(12): 1413-1414.
- [14] 傅玲;王玉玉;曾洪生. 洛铂联合替加氟治疗晚期食管癌的临床观察[J]. 肿瘤防治研究, 2011, 38(12): 1426-1428.
- [15] 何婷玉;杨艳丽;赵国强. siRNA抑制食管癌EC9706细胞CXCR4基因表达的实验[J]. 肿瘤防治研究, 2011, 38(10): 1117-1120.