

论文

II型糖尿病与乳腺癌关系病例对照研究

马放原, 赵景波, 李莹, 高孟, 李靖, 马晓洋

哈尔滨医科大学公共卫生学院流行病学教研室, 黑龙江 哈尔滨 150081

摘要:

目的 探讨中国汉族人群II型糖尿病(T2DM)与乳腺癌的关系。方法 采用非匹配病例对照研究方法,400例原发性乳腺癌患者来自于黑龙江省肿瘤医院,病例经病理证实为原发性乳腺癌,400名非乳腺癌女性来自黑龙江省电力医院体检中心,采用面对面问卷调查,同时实验室检测空腹血糖。结果 单因素分析T2DM为乳腺癌的危险因素( $OR=6.204, 95\%CI=3.008\sim 12.799$ );只调整年龄时,T2DM仍然为乳腺癌的危险因素( $OR=6.019, 95\%CI= 2.903\sim 12.476$ );调整年龄、文化程度、工作强度、月收入、吸烟、饮酒、体育锻炼、产第1胎(年龄、流产史、经历负性生活事件)后,T2DM仍然是乳腺癌的危险因素( $OR=3.912, 95\%CI=1.526\sim 10.028$ )。结论 T2DM与乳腺癌存在关联。

关键词: II型糖尿病(T2DM) 乳腺癌 非匹配病例对照研究

Relationship between type 2 diabetes mellitus and risk of breast cancer: a case-control study

MA Mu-yuan, ZHAO Jing-bo, LI Ying, et al

Department of Epidemiology, School of Public Health, Harbin Medical University, Harbin, Heilongjiang Province 150081, China

Abstract:

**Objective** To investigate the association between type 2 diabetes mellitus and breast cancer in Han population in China. **Methods** A non-matched case-control study, which included 400 female breast cancer patients from Tumor Hospital of Heilongjiang Province. They all had been operated and their pathology slides were diagnosed as primary breast cancer. And the 400 female who went for check up in Heilongjiang Electric Power Hospital were selected as controls. All subjects were interviewed with a questionnaire and detected for fasting plasma glucose. Chi-square test, U-test and logistic regression analysis were then performed. **Results** The results of single-factor logistic regression showed that type 2 diabetes mellitus was the risk factors of breast cancer odds ratio [ $OR$ ]=6.204, 95% confidence interval [95%CI]:3.008-12.799). After adjustment for age, type 2 diabetes mellitus was the risk factor of breast cancer ( $OR=6.019, 95\%CI:2.903-12.476$ ). Adjustment for age, education background, power of work, financial reward, smoking, drinking, physical exercises, elder age at first live birth, having the history of abortion, and mental depression, type 2 diabetes mellitus was still the risk factor of breast cancer ( $OR=3.912, 95\%CI=1.526-10.028$ ). **Conclusion** Type 2 diabetes mellitus was associated with the breast cancer.

**Keywords:** type 2 diabetes mellitus breast cancer non-matched case-control study

收稿日期 2012-06-11 修回日期 网络版发布日期

DOI: 10.11847/zgggws2013-29-04-14

基金项目:

通讯作者: 赵景波

作者简介:

参考文献:

- [1] 韩定芬, 周新. 女性乳腺癌部分危险因素Meta分析[J]. 中国公共卫生, 2003, 19(5): 637-638.
- [2] 袁宝君, 戴月, 史泽民, 等. 妇女乳腺癌危险因素病例对照研究[J]. 中国公共卫生, 2004, 20(9): 1036.
- [3] Khachatryan L, Scharpf R, Kaqan S, et al. Influence of diabetes mellitus type 2 and prolonged estrogen exposure on risk of breast cancer among women in Armenia[J]. Health Care Women Int, 2011, 32

扩展功能

本文信息

- ▶ Supporting info
- ▶ PDF(995KB)
- ▶ [HTML全文]
- ▶ 参考文献

服务与反馈

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ 引用本文
- ▶ Email Alert
- ▶ 文章反馈
- ▶ 浏览反馈信息

本文关键词相关文章

- ▶ II型糖尿病(T2DM)
- ▶ 乳腺癌
- ▶ 非匹配病例对照研究

本文作者相关文章

- ▶ 马放原
- ▶ 赵景波
- ▶ 李莹
- ▶ 高孟
- ▶ 李靖
- ▶ 马晓洋

PubMed

- ▶ Article by MA Mu-yuan
- ▶ Article by ZHAO Jing-bo
- ▶ Article by LI Ying
- ▶ Article by et al
- ▶ Article by
- ▶ Article by

(11):953-971.

[4] Gouveri E,Papanas N,Maltezos E,et al.The female breast and diabetes[J].Breast,2011,20(3):205-211.

[5] Tsai PS,Ke TL,Huang CJ,et al.Prevalence and determinants of prehypertension status in the Taiwanese general population[J].J Hypertens,2005,23(7):1355-1360.

[6] 魏晓洋,惠起源,刘小芒,等.糖尿病与恶性肿瘤[J].新医学,2009(1):56-58.

[7] Alberti KG,Zimmet PZ.Definition,diagnosis and classification of diabetes mellitus and its complications.Part 1:diagnosis and classification of diabetes mellitus provisional report of a WHO consultation.Geneva:WHO,1999.

[8] Sellers TA,Jensen LE,Vierkant RA,et al.Association of diabetes with mammographic breast density and breast cancer in the Minnesota breast cancer family study[J].Cancer Causes Control,2007,18(5):505-515.

[9] Currie CJ,Poole CD,Gale EA.The influence of glucose-lowering therapies on cancer risk in type 2 diabetes[J].Diabetologia,2009,52(9):1766-1777.

[10] Giovannucci E,Harlan DM,Archer MC,et al.Diabetes and cancer:a consensus report[J].Diabetes Care,2010,23(7):934-942.

本刊中的类似文章

1. 钱琳,黄雪薇.乳腺癌患者心理应对调节与生活质量相关分析[J].中国公共卫生,2013,29(1):114-116
2. 徐孝娜,李娅,李爱玲,刘寒强,张磊,邱雅,侯祥红,王枫.编对MCF-7细胞生长和雌激素受体表达影响[J].中国公共卫生,2013,29(5):710-713
3. 覃红斌,陈显兵,甘华文,张浩,张玲.SGK1基因沉默对人乳腺癌细胞生长抑制作用[J].中国公共卫生,2013,29(3):343-347
4. 李丹,周玉琛,周迎春,薛雯秀,卢娜,隋春阳.吸烟与女性乳腺癌发病关系病例对照研究[J].中国公共卫生,2013,29(3):436-438

文章评论 (请注意:本站实行文责自负,请不要发表与学术无关的内容!评论内容不代表本站观点.)

反馈人	<input type="text"/>	邮箱地址	<input type="text"/>
反馈标题	<input type="text"/>	验证码	<input type="text" value="6839"/>
评论内容	<input type="text"/>		