

[首页](#)[期刊概况](#)[编委会](#)[专家学者](#)[网上投稿](#)[过刊浏览](#)[期刊订阅](#)[广告合作](#)

中国肿瘤临床 2012, Vol. 39 Issue (9): 607-610 DOI: doi:10.3969/j.issn.1000-8179.2012.09.029

[临床应用](#)[最新目录](#) | [下期目录](#) | [过刊浏览](#) | [高级检索](#)

[an error occurred while processing this directive] | [an error occurred while processing this directive]

## 多肿瘤标志物蛋白芯片检测中CA125对恶性肿瘤的诊断价值

蒋 莹,王 东,杨雪琴,单锦露,王 阁,杨镇洲,李增鹏,杨宇馨

第三军医大学大坪医院野战外科研究所肿瘤中心 (重庆市400042)

### Diagnostic Values of Carbohydrate Antigen 125 in Multiple Tumor Marker Protein Chip Detection Systems for Malignant Tumors

Xuan JIANG, Dong WANG, Xueqin YANG, Jinlu SHAN, Ge WANG, Zhenzhou YANG, Zengpeng LI, Yuxin YANG, Jiandong SUI  
Cancer Center, Daping Hospital and Research Institute of Surgery, Third Military Medical University, Chongqing 400042, China[摘要](#)[参考文献](#)[相关文章](#)全文: [PDF \(486 KB\)](#) [HTML \(1 KB\)](#) 输出: [BibTeX](#) | [EndNote \(RIS\)](#) [背景资料](#)

**摘要** 探讨多肿瘤标志物蛋白芯片中糖链抗原CA125对恶性肿瘤的诊断价值。方法: 收集第三军医大学大坪医院可供分析的25 076例多肿瘤蛋白芯片检测结果, 分析CA125在不同人群、不同肿瘤中升高情况, 以及CA125升高伴随其他检测指标升高在肿瘤中的分布情况。结果: CA125在恶性肿瘤患者中明显高于良性病变患者及正常体检者, 而且卵巢癌最高(51.92%), 其次为胰腺癌(49.25%)和肝癌(42.56%); 同时升高的指标以CEA最为常见, 其次为CA199、CA242和Ferritin, CA125/CEA同时升高最常见于结直肠癌(83.87%), 其次为乳腺癌(59.72%), CA125/CA199同时升高最常见于结直肠癌(90.97%)和胰腺癌(78.63%), CA125/CA242伴随升高最常见于结直肠癌(92.26%)和胰腺癌(74.81%), CA125+CEA+CA199及CA125+CEA+CA199+CA242升高均最常见于肺癌。结论: CA125单项指标升高对卵巢癌、胰腺癌及肝癌的诊断有较高的价值, CA125伴随或联合CEA、CA199、CA242检测有利于提高结直肠癌、胰腺癌、肺癌的诊断阳性率。

**关键词:** 肿瘤标志物 多肿瘤蛋白芯片 CA125

**Abstract:** To investigate the expression of carbohydrate antigen 125 (CA125), its association with other markers, and their clinical significance in a variety of populations using protein chip detective systems. Methods: A total of 25,076 cases detected with multiple tumor marker chips from 2004 to 2011 were collected. The expression levels of CA125 and its association with other markers were analyzed in various populations and patients with different types of tumor. Results: CA125 expression was significantly elevated in patients with malignant tumors compared with patients with benign disease and healthy individuals. The CA125 positive rate appeared to be the highest in ovarian cancer (59.72%), followed by that in pancreatic (49.25%) and liver (42.56%) cancers. The most common accompanying marker was CEA; other less common markers were CA199, CA242, and ferritin. The CA125/CEA combination occurred most frequently in colorectal cancer (83.87%) followed by breast cancer (59.72%). CA125/CA199 was most prevalent in colorectal (90.97%) and pancreatic (78.63%) cancers. CA125/CA242 frequently appeared in colorectal (92.26%) and pancreatic (74.81%) cancers. CA125+CEA+CA199 and CA125+CEA+CA199+CA242 increase were most common in lung cancer. Conclusion: Elevated CA125 is a good indicator of ovarian, pancreatic, and liver cancers. The detection of CA125 combined with CEA, CA199, and CA242 has significance in improving the diagnosis of colorectal, pancreatic, and lung cancers.

**Key words:** Tumor marker Multiple tumor marker protein chip CA125

收稿日期: 2011-10-26; 出版日期: 2012-05-15

通讯作者: 王东 E-mail: Dongwang64@hotmail.com

[引用本文:](#)

· 多肿瘤标志物蛋白芯片检测中CA125对恶性肿瘤的诊断价值[J]. 中国肿瘤临床, 2012, 39(9): 607-610.

服务

[把本文推荐给朋友](#)[加入我的书架](#)[加入引用管理器](#)[E-mail Alert](#)[RSS](#)[作者相关文章](#)

链接本文:

[http://118.145.16.228:8081/Jweb\\_zgzllc/CN/doi:10.3969/j.issn.1000-8179.2012.09.029](http://118.145.16.228:8081/Jweb_zgzllc/CN/doi:10.3969/j.issn.1000-8179.2012.09.029) 或 [http://118.145.16.228:8081/Jweb\\_zgzllc/CN/Y2012/V39/I9/607](http://118.145.16.228:8081/Jweb_zgzllc/CN/Y2012/V39/I9/607)

没有本文参考文献

- [1] 左双燕, 阳赣萍, 胡方祥, 唐 璜, 王一任, 彭小宁, 曾小敏. 联合检测CA125 CA199和CEA对卵巢癌诊断价值的Meta分析[J]. 中国肿瘤临床, 2012, 39(5): 263-268.
- [2] 郭喆, 冯惠茹, 于杨洁, 于芳, 解小芬, 贾春霞, 陆相东. <sup>18</sup>F-FDG PET-CT在卵巢正常大小癌综合征诊断中的应用[J]. 中国肿瘤临床, 2012, 39(1): 45-48.
- [3] 陈业刚, 刘晓强. 肾癌患者循环肿瘤细胞的研究进展[J]. 中国肿瘤临床, 2011, 38(3): 175-178 .
- [4] 万彩凤. 联合检测血清肿瘤标志物对大肠癌辅助诊断及预后研究[J]. 中国肿瘤临床, 2011, 38(18): 1169-1171.

友情链接



版权所有 © 2013 《中国肿瘤临床》编辑部

地址: 天津市河西区体院北环湖西路肿瘤医院内 300060

电话/传真: (022)23527053 E-mail: cjco@cjco.cn cjcotj@sina.com 津ICP备1200315号