

临床研究

卵巢上皮性癌组织中P21蛋白的表达及其临床意义

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摘要:

目的: 研究P21蛋白在正常卵巢组织、卵巢良性肿瘤组织及卵巢上皮性癌组织中的表达, 探讨P21蛋白与卵巢上皮性癌临床病理特征的关系。方法: 选取手术切除的组织标本, 其中正常卵巢组织20例、卵巢良性上皮性肿瘤组织20例和卵巢上皮性癌组织58例。采用免疫组织化学法染色, 检测上述3组患者组织中P21蛋白的表达情况。结果:P21蛋白在卵巢上皮性癌组织中的表达率明显低于在正常卵巢组织和卵巢良性肿瘤组织 (P<0.05), 并且P21蛋白的表达率随着组织病理分级的升高而逐渐降低, 随着手术病理分期的升高而逐渐减弱, 但在不同组织学类型中的表达率差异无统计学意义 (P>0.05)。结论: P21蛋白的低表达可能促进卵巢癌的发生发展, 其低表达可能预示着肿瘤恶性程度高、更具有侵袭性和不良预后。

关键词: 卵巢肿瘤; 上皮性癌; P21蛋白; 免疫组织化学

Expression and clinical significance of P21 protein in epithelial ovarian carcinoma tissues

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Abstract:

Abstract:Objective To study the expression of P21 protein in normal ovarian tissues,benign ovarian tumor tissues and epithelial ovarian carcinoma tissues and explore its relationship with clinicopathological features of epithelia l ovarian carcinoma. Methods The surgical resection specimens including 20 cases of normal ovarian tissues,20 cases of benign ovarian epithelial tumor tissues and 58 cases of o epithelial ovarian carcinoma tissues were selected,immunohistochemical staining was used to detect the expression of P21 ptoein. Results The expression rate of P21 protein in epithelial ovarian carcinoma tissues was significantly lower than those in normal ovarian tissues and benign tumor tissues (P<0.05) ,and the expression rate of P21 protein gradually decreased with the increase of histological grade and surgical stage,but there was no significant difference in the expressions rate of P21 protein between different histological types (P>0.05) . Conclusion The low expression of P21 protein may contribute to the incidence and development of epithelial ovarian carcinoma,and its low expression may predict the high malignancy of tumor, more aggressive and poor prognosis.

Keywords: ovarian neoplasms;epithelial carcinoma; P21 protein; immunohistochemistry

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