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多层螺旋CT半定量诊断高危程度胃肠道间质瘤

Half quantitative diagnosis of high-risk gastrointestinal stromal tumors with multi-slice spiral CT

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英文关键词: [Gastrointestinal neoplasms](#) [Tomography, X-ray computed](#) [Half quantitative diagnosis](#)

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中文摘要:

目的 对比分析高危程度与较低危险程度(包括极低、低、中等危险程度)胃肠道间质瘤(GISTs)的多层螺旋CT(MSCT)特征,探讨高危程度GISTs的半定量诊断。方法 回顾分析46例GISTs患者(共51个病灶)的MSCT资料,对比分析高危程度与较低危险程度GISTs的发生部位、大小、形状、边界、生长方式、平扫及增强扫描中的特征,并进行统计学分析,并进一步得出logistic回归方程。结果 高危程度与较低危险程度GISTs在发生部位、大小、形状、边界、远处转移等方面差异有统计学意义。肿瘤的边界和大小与肿瘤的危险程度有明显相关性。高危程度GISTs的半定量诊断方程为 $\ln = -2.612X_3 + 0.371X_5$ (X_3 :肿瘤边界; X_5 :肿瘤大小)。结论 上述logistic回归方程可用于判断GISTs为高危程度的几率,有助于诊断高危程度GISTs。

英文摘要:

Objective To study the half quantitative diagnostic method of the high-risk gastrointestinal stromal tumors (GISTs) with analyzing the characteristic of high-risk and lower risk GISTs with multi-slice spiral CT (MSCT). **Methods** CT findings of 46 patients with 51 GIST lesions were retrospectively analyzed. The location, size, shape, boundary, growth pattern and other specialties of the tumors in high-risk and lower risk GISTs were studied, moreover statistical analysis was conducted, logistic regression equation was obtained. **Results** Significant difference was found in tumors' location, size, shape, boundary and distant metastasis between the two types of GISTs. There were obvious correlation between the risk level and tumors' size and boundary which could be used to build the diagnostic equation of high-risk GISTs. **Conclusion** The equation $\ln = -2.612X_3 + 0.371X_5$ (X_3 : tumors' boundary, X_5 : tumors' size) is valuable in the diagnosis of high-risk GISTs.

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