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## 颅内血管外皮细胞瘤周水肿与P73表达的相关性

### Correlation between peritumorous edema on MRI and p73 protein expression in intracal haemangiopericytoma

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中文摘要:

目的 探讨颅内血管外皮细胞瘤(HPC)瘤周水肿的MRI表现与P73蛋白表达的相关性。方法 以血管瘤型脑膜瘤作为对照,采用免疫组织化学法(S-P法),用抗P73抗体对29例颅内HPC组织标本进行标记,通过MRI对肿瘤周水肿情况进行评分,对二者进行相关性分析。结果 29例颅内HPC P73蛋白表达均呈阳性,与对照组血管瘤型脑膜瘤组之间有显著差别( $P<0.01$ );随着肿瘤周水肿MRI评分的增高,P73蛋白阳性表达水平也升高( $P<0.05$ )。结论 颅内血管外皮细胞瘤的MRI表现瘤周水肿与肿瘤P73蛋白的表达程度有相关关系,可作为临床治疗肿瘤和判断预后的参考。

英文摘要:

Objective To investigate the correlation between peritumorous edema signs on MRI and the expression of P73 protein in intracal haemangiopericytoma (HPC). **Methods** Twenty-nine patients with intracal HPC were enrolled, while 25 patients with angiomatous type meningioma were taken as controls. Peritumorous edema signs on MRI of two groups were analyzed and scored according to Asari's method. P73 protein expressions were detected with S-P immunohistochemical method. **Results** Positive P73 protein expression was found in all 29 patients with HPC, and there was significant difference in the expression of P73 between intracal HPC and angiomatous type meningioma ( $P<0.01$ ). The positive expressions of P73 protein increased while the scores of peritumorous edema signs on MRI in intracal haemangiopericytoma raised ( $P<0.05$ ). **Conclusion** There is high relationship between peritumorous edema signs on MRI and expressions of P73 protein in intracal HPC, which can be used as reference in evaluating the treatment and prognosis of patients with intracal HPC.

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