

陈利军, 陈士新, 兰延宏, 赵志友, 李维华, 郭芳琼. 脑室外室管膜瘤的MRI诊断[J]. 中国医学影像技术, 2010, 26(10): 1844-1847

脑室外室管膜瘤的MRI诊断

MRI diagnosis of extraventricular ependymoma

投稿时间: 4/19/2010 最后修改时间: 6/29/2010

DOI:

中文关键词: [室管膜瘤](#) [磁共振成像](#)

英文关键词: [Ependymoma](#) [Magnetic resonance imaging](#)

基金项目:

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中文摘要:

目的 探讨脑室外室管膜瘤的MRI特征。**方法** 回顾性分析经病理证实的15例脑室外室管膜瘤患者的临床、病理及MRI资料。15例患者均接受MR平扫及增强扫描。**结果** 14例肿瘤发生于幕上,1例肿瘤位于幕下。MR平扫9例为实性,6例为囊实性。15例肿瘤T1WI和T2WI呈均匀或不均匀低、等、高信号。增强扫描11例肿瘤呈环形强化,4例肿瘤呈不均匀实性强化。9例肿瘤与相邻脑组织境界模糊,边缘毛糙,其中5例肿瘤周围脑组织内可见结节、斑片状强化,术后病理诊断为间变型室管膜瘤。6例肿瘤境界清晰,边缘光整,术后病理诊断为室管膜瘤。**结论** 脑室外室管膜瘤的MRI表现较具特征性,与病理有一定的相关性。

英文摘要:

Objective To observe the MRI characteristics of extraventricular ependymoma. **Methods** Clinical, pathological and MRI data of 15 patients with extraventricular ependymoma were analyzed retrospectively. All patients underwent plain and dynamic contrast-enhanced MR scan. **Results** The lesions located at the supratentorium in 14 patients, only 1 located at the infratentorium, including 9 solid masses and 6 cystic solid masses on plain MRI, all 15 cases manifested as lower, equal or higher signal on T1WI and T2WI. Ring enhancement were observed in 11 lesions and irregularly solid enhancement in 4. Fuzzy circumscription and rough edge were detected in 9 lesions, while nodular and patchy enhancement of peripheral cerebral tissue were found in 5 patients. Nine patients were diagnosed anaplasia ependyma by pathology after surgical operation, the other 6 which had distinct circumscription and smooth edge were diagnosed as ependymoma. **Conclusion** Extraventricular ependymoma has certain characteristic MRI findings which are correlative with pathology.

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