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(收稿日期:2016-10-30)

· 临床医学图像 ·

孤立性纤维性肿瘤/血管周细胞瘤

doi: 10.3969/j.issn.1672-6731.2016.12.013

Solitary fibrous tumor/hemangiopericytoma

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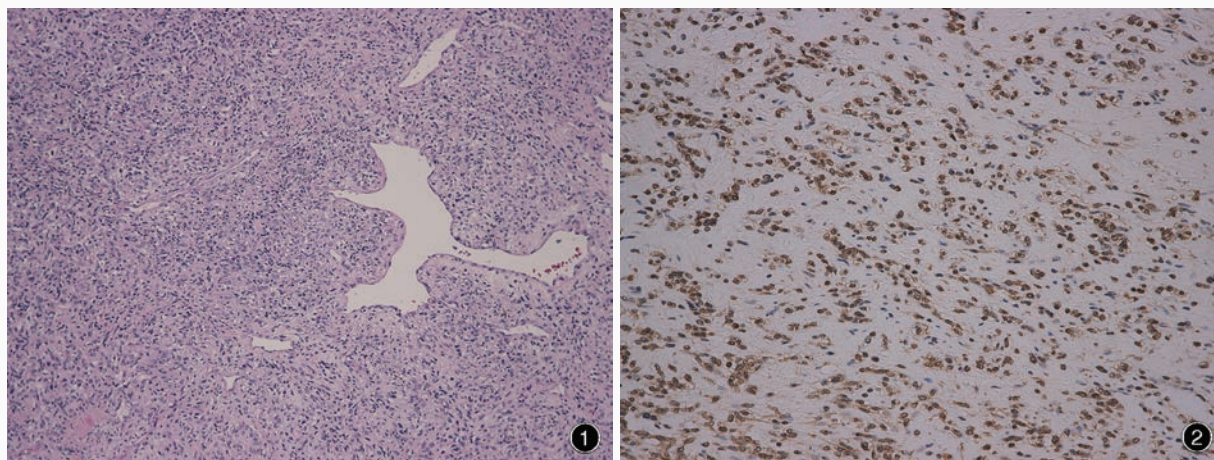


图1 光学显微镜观察显示,孤立性纤维性肿瘤/血管周细胞瘤局部细胞密度较高,伴薄壁分支血管 HE染色 $\times 100$ 图2 光学显微镜观察显示,孤立性纤维性肿瘤/血管周细胞瘤细胞核弥漫性表达STAT6 免疫组织化学染色(EnVision二步法) $\times 200$

Figure 1 Optical microscopy findings showed local high cell density, with thin-walled branching vessels in solitary fibrous tumor/hemangiopericytoma. HE staining $\times 100$ **Figure 2** Optical microscopy findings showed STAT6 was strongly expressed in tumor nuclei. Immunohistochemical staining (EnVision) $\times 200$

2016年世界卫生组织(WHO)中枢神经系统肿瘤分类将孤立性纤维性肿瘤/血管周细胞瘤定义为一种纤维母细胞型间叶组织肿瘤,富含丰富的分支血管,包含一个组织学谱系的肿瘤,该肿瘤即为原分别命名的脑膜孤立性纤维性肿瘤和血管周细胞瘤,并高度推荐经检测细胞核信号传导与转录激活因子6(STAT6)表达或神经生长因子诱导基因A结合蛋白2(NAB2)-STAT6融合以明确诊断。组织学观察可见中间或混合形态,主要分为两种表型:一种为典型的孤立性纤维性肿瘤表型,肿瘤细胞呈梭形,密度不均匀,被嗜伊红的丰富胶原间质分隔;另一种为典型的血管周细胞瘤表型,肿瘤细胞密度较高,无特定排列方式,胞质不明显(图1)。孤立性纤维性肿瘤/血管周细胞瘤细胞胞质弥漫性表达波形蛋白(Vim)、胞膜弥漫性表达CD34、胞核弥漫性表达STAT6(图2),其中STAT6免疫组织化学染色具有高度敏感性和特异性。

(天津市环湖医院病理科阎晓玲供稿)