

论文

三维CT血管造影结合DSA手术治疗硬脑膜动静脉瘘

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摘要:

目的 总结颅脑三维CT血管造影(CTA)结合全脑数字减影血管造影(DSA)手术治疗硬脑膜动静脉瘘(DAVF)的经验。方法 描述16例硬脑膜动静脉瘘病例的诊疗过程。全部患者均行全脑血管造影并应用64排螺旋CT行CTA,用DSA分析硬脑膜动静脉瘘的血液动力学,用CTA分析瘘口的解剖学特性。16例均行手术切除,其中有6例患者为介入栓塞不成功改手术治疗,1例患者为介入栓塞后复发行手术切除。手术入路根据瘘口位置不同而选用经额、经翼点或经枕下经小脑幕入路等。结果 所有患者均成功地进行了手术治疗。术后两周DSA复查显示,瘘口未再显影,DAVF消失,治疗效果满意。半年后仍无复发。结论 硬脑膜动静脉瘘可在CTA结合DSA下成功地进行手术切除。

关键词: 硬脑膜动静脉瘘;全脑血管造影;CT血管造影

Successful resection of DAVF facilitated by CTA and DSA imaging

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Abstract:

Objective To summarize the successful treatment of cerebral dural arteriovenous fistula (DAVF) with the imaging help of brain three-dimensional CT angiography (CTA) and cerebral digital subtraction angiography (DSA). Methods 16 cases of DAVF were documented. Each patient was subjected to imaging diagnosis by DSA and CTA. DSA revealed the hemodynamic properties and CTA showed the anatomical features of the fistulas. Surgery was performed on all 16 patients, including 6 from unsuccessfully embolization and 1 recurrence after embolization treatment. Surgical procedures were designed according to fistular location, and transfrontal, transperitoneal or suboccipital approach was undertaken. Results The procedures were successful on all patients, as confirmed by follow-up DSA 2 weeks post-surgery: the DAVFs were had disappeared. No recurrence was detected 6 months post-surgery. Conclusion Dural arteriovenous fistula can be successfully resected with the help of CTA and DSA imaging.

Keywords: Dural arteriovenous fistula; Digital subtraction angiography; CT angiography

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