

窦祖林, 欧海宁, 沈建虹, 袁晓峰, 兰月. 超声引导下的肉毒毒素注射对脑卒中肌痉挛的效果观察[J]. 中国康复医学杂志, 2008, (3): 219-221

超声引导下的肉毒毒素注射对脑卒中肌痉挛的效果观察 [点此下载全文](#)

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基金项目: 国家科技部中国芬兰政府间科技合作项目(2006DFA33290)

DOI:

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摘要:

摘要 目的: 评价超声引导下的肉毒毒素(BTXA)注射定位技术治疗脑卒中后肌痉挛的可行性及其价值。**方法:** 选择因脑卒中致上肢或下肢痉挛患者5例,在彩色多普勒超声仪引导下,将BTXA准确注入肌肉局部。注射后佩戴抗痉挛矫形器并进行常规康复训练。在注射前、注射后2周、4周采用改良Ashworth评级(MAS)、Fugl-Meyer上肢功能评分、FIM自我照顾项评分、步速和步长测量进行相关评价。结果:治疗组在注射后2周、4周,肌肉痉挛的改善程度(MAS)、上肢运动功能(Fugl-Meyer评分)、与上肢相关的日常生活活动自理能力(FIM)、步长和步速的改善均优于注射前($P<0.05$)。结论:采用超声引导的BTXA注射定位技术治疗脑卒中后肌痉挛,定位准确,治疗效果明显。关键词 肌痉挛;肌肉彩色定位图;超声波引导注射;肉毒毒素A 中图分类号: R743.3, R49 文献标识码: A 文章编号: 1001-1242(2008)-03-0219-03

关键词: [肌痉挛](#) [肌肉彩色定位图](#) [超声波引导注射](#) [肉毒毒素A](#)

The clinical effect of ultrasound guided botulinum toxin type A (BTXA) injection in treating muscles spasticity following stroke (5 cases report) [Download Fulltext](#)

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Abstract:

Objective: To evaluate the feasibility and its value of ultrasound guided botulinum toxin type A (BTXA) injection technique in treating muscles spasticity following stroke. **Method:** Five patients with extremities spasticity following stroke were recruited in this clinical study. Under the guide of color Doppler ultrasound diagnostic apparatus, BTXA was injected into multi-points of muscles. The outcome after BTXA injection was assessed by modified Ashworth scale(MAS), Fugl-Meyer assessment-upper limb(FMA-upper limb), Motor-functional independence measurement-upper limb (mot-FIM-upper limb), and measurement of step length and velocity, at the baseline, the 2nd week, 4th week after treatment respectively. **Result:** Compared the scores of MAS, FMA-upper limb, FIM-upper limb, step length and velocity after 2 and 4 weeks with before treatment, there were significant differences statistically($P<0.05$). **Conclusion:** Ultrasound guided BTXA injection technique is an accurate positioning method in using BTXA to treat extremities muscle spasticity.

Keywords: [muscle spasticity](#) [muscle color localized atlas](#) [ultrasound guided injection](#) [botulinum toxin type A](#)

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