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MOTomed训练系统用于痉挛型偏瘫患儿下肢运动功能恢复的研究 [点此下载全文](#)

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摘要:

摘要目的: 研究常规康复治疗联合MOTomed训练系统对痉挛型偏瘫患儿下肢功能的影响。方法: 将40例痉挛型偏瘫患儿随机分为MOTomed训练组(给予常规康复治疗及MOTomed训练)及常规治疗组(给予常规康复治疗)。于治疗前及治疗12周时,同时对两组患儿改良的Ashworth分值(腓绳肌)综合痉挛量表(CSS)、粗大运动功能88项量表(GMFM)中的D、E两功能区及步态参数(健侧及患侧步长、步速)。所有患儿共接受为期12周的康复治疗。结果: 两组患儿治疗前指数评分组间差异均无显著性意义(均 $P>0.05$),治疗12周时上述各项指标均较治疗前明显改善($P<0.05$),且以MOTomed训练组的改善幅度较显著,与对照组比较,组间差异具有显著性意义($P<0.05$)。结论: MOTomed训练结合常规康复治疗能进一步提高痉挛型偏瘫患儿下肢运动功能。

关键词: [MOTomed训练](#) [脑性瘫痪](#) [痉挛型偏瘫](#) [康复治疗](#)

Effects of MOTomed viva2 on the ability of lower limbs in children with spastic hemiplegic cerebral palsy [Download Fulltext](#)

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Fund Project:

Abstract:

Abstract Objective: To observe the effects of Motomed viva2 on the ability of lower limbs in children with spastic hemiplegic cerebral palsy. Method: Forty ambulant CP children with spastic hemiplegia were randomly divided into Motomed group (20 cases) and control group (20 cases). The control group was treated with routine rehabilitation training (RT) program; the observation group was added with MOTomed viva2. The muscle tone of the lower limbs by the Modified Ashworth Scale (MAS). The composite spasticity scale (CSS), D and E dimensions of gross motor function measure (GMFM-88), gait evaluation were evaluated for every child in MOTomed group at the time of begin and at 12 weeks later. Also, these evaluation protocols were performed for every child in the control group at the same time. All children in 2 groups were treated with RT for 2 months. Result: No statistically difference was found MAS, CSS, GMFM(D,E) and gait index before treatment between the 2 groups ($P>0.05$). In MOTomed group MAS and CSS showed significant decrease following treatment when compared with baseline findings and control group ($P<0.05$). Significant differences were noted in MOTomed group in regard to GMFM, affected and nonaffected step length and walking velocity ($P<0.05$). Conclusion: MOTomed viva2 has better effects on tone reduction and improvement on gait and skilled motor function in spastic hemiplegic CP.

Keywords: [MOTomed viva2](#) [cerebral palsy](#) [spastic hemiplegia](#) [rehabilitation therapy](#)

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