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平衡反馈训练仪与Berg平衡量表在评定脑卒中偏瘫患者平衡功能中的相关性 [点此下载全文](#)

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摘要:

摘要目的:探索平衡反馈训练仪与Berg平衡量表在评定脑卒中偏瘫患者平衡功能的相关性。方法:脑卒中偏瘫患者30例,分别进行Pro-Kin平衡仪站立位睁、闭眼静态平衡测试和Berg平衡评估,比较睁、闭眼时平衡仪检测指标重心摆动轨迹长和摆动面积的差异,并分别与Berg平衡量表评分进行Pearson相关性分析。结果:睁眼时重心摆动轨迹长及摆动面积与闭眼时比较,差异均有显著性($P<0.05$)。睁眼时重心摆动轨迹长、摆动面积与BBS总分、第6、9项呈中度负相关($r=-0.408$ — -0.663 , $P<0.05$);重心摆动轨迹长与第8、11—14项,摆动面积与第1、5、7项呈中度负相关($r=-0.409$ — -0.590 , $P<0.05$)。闭眼时摆动面积与第7、8项呈中度负相关($r=-0.492$, -0.501 , $P<0.05$);重心摆动轨迹长与Berg总分及子项都不相关。结论:Pro-Kin平衡仪的站立位静态平衡测试时睁眼重心摆动的重心摆动轨迹长及摆动面积可反映脑卒中偏瘫患者的静态平衡能力。

关键词: [平衡反馈训练仪](#) [Berg平衡量表](#) [脑卒中](#) [偏瘫](#) [平衡](#) [相关性](#)

The study of correlation between Pro-Kin balance assessment equipment and Berg balance scale in assessing balance function of hemiplegic patients with stroke [Download Fulltext](#)

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Abstract:

Abstract Objective: To explore the correlation between balance assessment equipment and Berg balance scale(BBS) in assessing balance function of hemiplegic patients. Method: Thirty stroke hemiplegic patients were assessed the balance function by using BBS and Pro-Kin balance assessment equipment which were used to test the standing balance in eye-opened and eye-closed condition. Paired-samples t test was used to compare the difference in sway length and area of body gravity between eye-opened and eye-closed condition. Then Pearson correlation coefficient was used to study the correlation between these two assessments. Result: Sway length and area were correlated negatively moderately with the total score of BBS, the 6th and 9th items ($r=-0.408$ — -0.663). Additionally, sway length and area were correlated negatively moderately with the 8th, 11th to 14th and the 1st, 5th, 7th items, respectively ($r=-0.409$ — -0.590 , $P<0.05$). Sway area were correlated negatively moderately with the 7th and 8th items in eye-closed condition ($r=-0.492$, -0.501 , $P<0.05$). Sway length were not correlated with the total score and any items of BBS. Conclusion: Pro-Kin balance assessment can not only test the static balance function, but also predict the dynamic balance function.

Keywords: [balance assessment equipment](#) [Berg balance scale](#) [stroke](#) [hemiplegia](#) [balance function](#) [correlation](#)

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