

郭琪,牛燕媚,上月正博. 运动联合培哚普利对自发性高血压大鼠大动脉顺应性的影响[J]. 中国康复医学杂志, 2013, (2): 129-133

运动联合培哚普利对自发性高血压大鼠大动脉顺应性的影响 [点此下载全文](#)

[郭琪](#) [牛燕媚](#) [上月正博](#)

天津医科大学康复与运动医学系, 天津, 300070

基金项目: 国家自然科学基金青年基金项目(31100856)

DOI:

摘要点击次数: 90

全文下载次数: 51

摘要:

摘要目的: 探讨运动训练联合血管紧张素转换酶抑制剂(培哚普利)对自发性高血压大鼠(SHR)高血压和大动脉硬化影响, 确定运动对于被降压药物调整为正常血压水平的压症的大动脉顺应性的影响。方法: 7周龄SHR分为对照组, 运动组, 培哚普利投药组, 培哚普利与运动并用组, 观察8周, 每周1次用tail-cuff方法测定大鼠的血压。15周龄时, 用脉搏波传播速度来评估大动脉顺应性。结果: 培哚普利完全抑制了血压的上升, 运动也起到了一定的降压效果。同时培哚普利可以抑制大动脉顺应性的低下。单独运动对于大动脉顺应性低下并没有起到抑制效果, 而且在培哚普利投药的基础上加上运动也没有达到抑制的效果。结论: 对于高血压进展期SHR, 运动有一定的降压效果, 但对于被培哚普利调整为正常血压的SHR的大动脉顺应性没有效果。

关键词: [运动](#) [血管紧张素转换酶抑制剂](#) [自发性高血压大鼠](#) [大动脉顺应性](#)

Effects of exercise combined with perindopril on aortic compliance in spontaneously hypertensive rats [Download Fulltext](#)

Department of Rehabilitation and Sports Medicine, Tianjin Medical University, 22 Qixiangtai Road, Heping District, Tianjin, 300070

Fund Project:

Abstract:

Abstract Objective: To explore the combination effects of exercise combined with angiotensin-converting enzyme inhibitor (ACEI) perindopril on hypertension and atherosclerosis in spontaneously hypertensive rats (SHR). Method: SHR aged 7 weeks were assigned to 4 groups: sedentary control, exercise, perindopril, and combination of exercise and perindopril. Systolic blood pressure (SBP) was measured every week with the tail-cuff method. At the age of 15 weeks, aortic compliance as the index of aortic wall stiffness was evaluated by pulse wave velocity(PWV) in the aorta. Result: In exercise alone group and perindopril alone group SBP reduced significantly, although antihypertensive effect of perindopril was greater than that of exercise. Perindopril, but not exercise, could significantly increase aortic compliance. Combination of perindopril and exercise had no additional effects on the aortic compliance. Conclusion: Exercise training exhibited effect on hypertension of SHR, but could not modify aortic compliance of untreated- and ACEI-treated SHR.

Keywords: [exercise](#) [angiotensin-converting enzyme inhibitor](#) [spontaneously hypertensive rats](#) [aortic compliance](#)

[查看全文](#) [查看/发表评论](#) [下载PDF阅读器](#)