中国医学影像技术

CHINESE JOURNAL OF MEDICAL IMAGING TECHNOLOGY

设为首页 | 加入收藏 | 联系我们

2014-05-12 星期-

首页 | 本刊简介 | 编委会 | 收录情况 | 投稿须知 | 期刊订阅 | 稿件查询 | 广告招商 | 会议

周彩萍,王志斌,聂晶,李艳,孙品,付秀秀、二维应变成像评价原发性高血压患者左心室整体收缩功能[J].中国医学影像技术,2013,29(7):1112~1116

二维应变成像评价原发性高血压患者左心室整体收缩功能

Two-dimensional strain imaging in assessment of left ventricular global systolic function in patients with essential hypertension

投稿时间: 2012-12-02 最后修改时间: 2013-05-10

DOI:

中文关键词: 超声心动描记术 应变 高血压 心室重构

英文关键词: Echocardiography Strain Hypertension Ventricular geometric remodeling

青岛大学医学院附属医院心脏超声科,山东 青岛 266003

基金项目:

	E-mail
心脏超声科, 山东 青岛 266003	
心脏超声科, 山东 青岛 266003	qdecholab@yahoo.com.cn
心脏超声科, 山东 青岛 266003	
心脏超声科, 山东 青岛 266003	
心脏超声科, 山东 青岛 266003	
1	心脏超声科, 山东 青岛 266003 心脏超声科, 山东 青岛 266003 心脏超声科, 山东 青岛 266003

摘要点击次数:354

全文下载次数:176

中文摘要:

付秀秀

目的 应用二维应变成像技术评价原发性高血压患者左心室整体收缩功能。方法 收集69例原发性高血压患者,其中左心室正常构型(LVN)亚组33例,左心室重构(LVR)亚组36例,另外选取同期30名健康志愿者作为对照组;应用二维应变成像技术测量长轴方向左心室整体收缩峰值应变(GLPSS)和圆周方向左心室整体收缩峰值应变(GCPSS),分析GLPSS、GCPSS与左心室质量指数(LVMI)之间的相关性。结果 与对照组相比,LVN亚组及LVR亚组GLPSS均减低(P均<0.05),且LVR亚组低于LVN亚组(P<0.05)。LVN亚组GCPSS与对照组的差异无统计学意义(P>0.05),LVR亚组GCPSS较LVN亚组及对照组均减低(P均<0.05)。原发性高血压患者GLPSS与LVMI呈正相关(r=0.68,P<0.01)。结论 二维应变成像技术能够客观评价原发性高血压患者左心室整体收缩功能,具有重要临床应用价值。

英文摘要:

Objective To assess the left ventricular global systolic function in patients with essential hypertension using two-dimensional strain imaging. Methods Totally 69 patients with essential hypertension were collected, including 33 of normal geometry (LVN) subgroup and 36 of remodeling (LVR) subgroup. Meanwhile, another 30 healthy volunteers for the same period were selected as the control group. Global peak systolic strain of left ventricular were analyzed by two-dimensional strain imaging in the longitudinal and circumferential directions, and the correlation between global longitudinal peak systolic strain (GLPSS), global circumferential peak systolic strain (GCPSS) and left ventricular mass index (LVMI) were analyzed, respectively. Results GLPSS in LVN and LVR subgroups were lower than in control group (both P < 0.05). And GLPSS in LVR subgroup was lower than in LVN subgroup (P < 0.05). The difference of GCPSS between LVN subgroup and control group was not significant (P > 0.05). GCPSS reduced in LVR subgroup (P < 0.05). Positive correlation was found between GLPSS and LVMI in patients with essential hypertension (r = 0.68, P < 0.01). Conclusion Two-dimensional strain imaging can assess left ventricular global systolic function correctly in patients with essential hypertension, and has great clinical application value.

查看全文 查看/发表评论 下载PDF阅读器

您是第**6245150** 位访问者

版权所有: 《中国医学影像技术》期刊社

主管单位:中国科学院 主办单位:中国科学院声学研究所

地址: 北京市海淀区北四环西路21号大猷楼502室 邮政编码: 100190 电话: 010-82547901/2/3 传真: 010-82547903

京ICP备12000849号-1

本系统由北京勤云科技发展有限公司设计