

세 가지 누운 자세와 심장질환의 증증 정도가 자율신경계의 균형에 미치는 상호작용 효과

김원식, 배장호*, 장은혜**, 최형민

한국표준과학연구원 인간정보그룹

*건양대학교 의과대학 순환기내과

**충남대학교 심리학과

Interaction effect of three recumbent postures and heart disease severity on the autonomic nervous system

Wuon-Shik Kim, Jang-Ho Bae*, Eun-Hye Jang**, Hyoung-Min Choi

Ergonomics & Information Technology Group,

Korea Research Institute of Standards and Science

*Division of Cardiology, College of Medicine, Konyang University Hospital

**Dept. of Psychology, Chungnam National University

Abstract

This study investigated which recumbent posture can give rise to the highest vagal modulation in patients with coronary artery disease (CAD), among three recumbent postures; namely, the supine, left lateral, and right lateral postures. For this purpose, 43 patients with CAD were studied. Heart rate variability (HRV) was measured on these patients for three recumbent postures in random order. Normalized high-frequency power was the highest, whereas normalized low-frequency power in the right lateral postures were the lowest, among the three recumbent postures.

Keyword : 누운 자세(*recumbent posture*), 관상동맥질환(*coronary artery disease: CAD*), 심박동변이도(*heart rate variability: HRV*)