

# Measures of Heart Rate Variability in Patients with Idiopathic Parkinson's disease

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## Abstract

The aim of this study was to verify measures of heart rate variability in patients with idiopathic Parkinson's disease. Seventy two male participants volunteered for the study, 36 with diagnosed Parkinson's disease and 36 asymptomatic individuals. We conducted ambulatory recordings of 10 minutes in orthostatic position after five minutes of rest. Data was collected with POLAR RS800CX cardiac monitor and then analyzed by Kubios HRV 2.0 software to obtain measures of time and frequency domains. We found reductions in most part of collected indexes without correlation with disease duration or drugs dosage. The reductions of collected indexes reinforce the idea that Parkinson's disease alters the autonomic nervous system modulation.

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## Biography

Dr. Fabiano Henrique Rodrigues Soares, working at University Potiguar- UNP , Brazil, His research interest to verify measures of heart rate variability in patients with idiopathic Parkinson's disease. Seventy two male participants volunteered for the study, 36 with diagnosed Parkinson's disease and 36 asymptomatic individuals. We conducted ambulatory

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