## Cardiovascular and Sleep Metrics in Parkinson's Disease Patients in an Online Exercise Program: Initial Descriptive Results of a Pilot Study



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## Background

Sleep metrics in Parkinson's Disease (PD) patients are known to be improved following in-person exercise, including total sleep time, slow wave sleep, and sleep onset latency. The effect of exercise on the heart in PD is unknown

Online exercise program influences on sleep is unknown. PD patients undergoing supervised resistance training exercise three times per week for sixteen weeks, including time spent SWS and total sleep time, as compared to a group in sleep hygiene being given advice on sleep (Amara et al., 2020)

The purpose of this ongoing pilot study is to evaluate the effects of an online exercise program on sleep parameters and cardiac mechanics in people with PD

## METHODS

Greater than a 23 on the Montreal Cognitive Assessment Actigraph worn every night for sleep assessment

h worn for sleep ment LLA Recordis<sup>™</sup> cardiac sensor used for 1 minute every morning for timing assessment of the cardiac cycle





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## **RESULTS AND CONCLUSIONS**