



*To find out more about how Preventric is revolutionizing hypertension management and how BPro ABPM data can help you better manage your patients, visit us online today.*

# BPro<sup>®</sup> Case Studies

## Case # 1

### HPI:

CWP is a 64-year-old white female with orthostatic hypotension that presents with syncope and collapse after walking to the restroom in her home. She previously exhibited symptoms of daytime somnolence and fatigue. The patient recorded her blood pressure at home with a reading of 160/87 mm Hg using a wrist blood pressure cuff and requested to be placed on antihypertensive medications to treat her stage 2 HTN. Her brachial artery blood pressure registered at 110/65 mm Hg at her most recent office visit, dropping to 103/61 mm Hg during orthostatics. Due to these discrepancies in home and office measurements, with mild orthostatic concerns and symptoms of syncope and collapse, the patient received a Preventric BPro 24-hour continuous blood pressure cardiac monitor.

# BPro<sup>®</sup> Case Studies



## Results

- 24-hour Avg BP: 105/70 mm Hg
- Daytime BP: 105/70 mm Hg
- Nighttime BP: 105/70 mm Hg



## Change in Management

- Discontinue wrist blood pressure cuff
- Positive test for dysautonomia
- Dysautonomia treatment recommended



## Recommendations

- Increase salt intake
- Midodrine 2.5 mg bid
- Obtain brachial artery blood pressure cuff

## Lesson

Wrist-mounted blood pressure cuffs may deliver inaccurate high blood pressure readings. In this situation, the inaccurate data from the patient's wrist-based device might have caused additional hypotension and syncopal attacks if antihypertensive were dispensed, potentially increasing morbidity and mortality. Accurate blood pressure measurements are essential for correct medical decisions.

Author: Asif Ali, MD

References: <https://www.ahajournals.org/doi/10.1161/HYPERTENSIONAHA.119.12674>