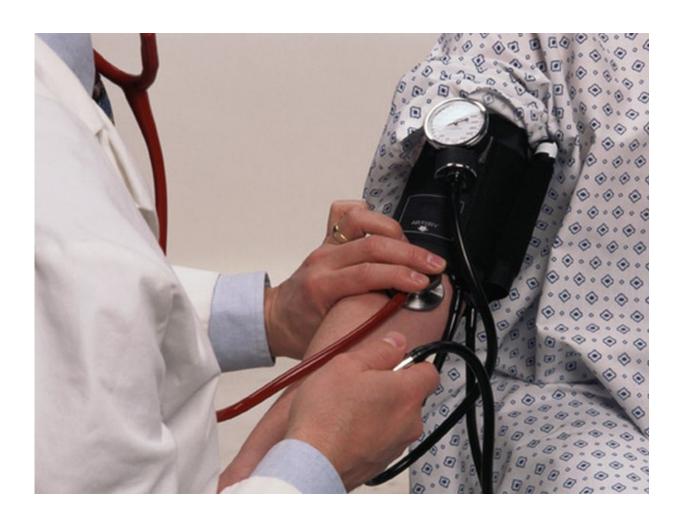


## Orthostatic hypotension in T2DM linked to riser type circadian BP

May 25 2017



(HealthDay)—For patients with type 2 diabetes, orthostatic hypotension



(OH) is associated with riser patterns in the blood pressure (BP) circadian rhythm, as well as increased rates of mortality and major adverse cardiac and cerebrovascular events, according to a study published online May 11 in the *Journal of Diabetes Investigation*.

Jing Chang, from the Capital Medical University in Beijing, and colleagues examined the correlation between BP circadian rhythms and outcomes in 173 inpatients with type 2 diabetes. Participants were classified into an OH group (61 subjects) and a non-OH group (112 subjects) based on BP changes in supine and standing positions, and followed for an average of  $45 \pm 10$  months after discharge.

The researchers found that the nighttime systolic BP and nighttime diastolic BP were higher in the OH group, and the <u>blood pressure</u> circadian rhythms were mainly of the riser type (67.21 percent). OH independently identified riser type circadian <u>rhythm</u> (adjusted odds ratio, 4.532). Compared with the non-OH group, the OH group had significantly increased incidence rates of <u>mortality</u> and major adverse cardiac (11.48 versus 2.68 percent) and cerebrovascular events (37.7 versus 8.93 percent).

"In subjects who had type 2 [diabetes] diagnosed with OH, the BP circadian rhythm usually showed riser patterns, and they had increased rates of mortality and major adverse cardiac and cerebrovascular events," the authors write.

**More information:** Abstract

Full Text

Copyright © 2017 HealthDay. All rights reserved.

Citation: Orthostatic hypotension in T2DM linked to riser type circadian BP (2017, May 25)



retrieved 10 April 2024 from <a href="https://medicalxpress.com/news/2017-05-orthostatic-hypotension-t2dm-linked-riser.html">https://medicalxpress.com/news/2017-05-orthostatic-hypotension-t2dm-linked-riser.html</a>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.