

CV autonomic neuropathy predicts urological issues

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(HealthDay)—For men with type 1 diabetes, cardiovascular autonomic neuropathy is associated with erectile dysfunction and/or lower urinary tract symptoms, according to a study published in the June issue of *The Journal of Urology*.

Rodica Pop-Busui, M.D., Ph.D., from the University of Michigan in Ann Arbor, and colleagues examined the correlation between cardiovascular autonomic neuropathy and erectile dysfunction and/or lower urinary tract symptoms. Data were obtained for 635 men in the Diabetes Control and Complications Trial/Epidemiology of Diabetes Interventions and Complications (DCCT/EDIC) with [type 1 diabetes](#). Analyses were adjusted for time-weighted glycemic control, blood pressure, age, and other covariates.

The researchers found that, compared to men without erectile

dysfunction or lower urinary tract symptoms, those with erectile dysfunction and/or lower urinary tract symptoms had significantly lower respiratory rate variation and Valsalva ratio at DCCT closeout and EDIC year 16/17. The odds of [erectile dysfunction](#) and lower [urinary tract symptoms](#) were increased 2.65-fold among participants with cardiovascular autonomic neuropathy, in adjusted analysis.

"These data suggest that cardiovascular autonomic neuropathy predicts the development of urological complications in men with long-standing type 1 diabetes," the authors write. "Studies evaluating the mechanisms contributing to these interactions are warranted for targeting effective prevention or treatment."

One author disclosed financial ties to the medical device industry.

More information: [Abstract](#)
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