

# Brachial-ankle pulse wave velocity can predict mortality

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(HealthDay)—Brachial-ankle pulse wave velocity (baPWV) can predict

all-cause mortality in patients with diabetes after first non-traumatic lower extremity amputation (LEA), according to a study published online July 16 in the *Journal of Diabetes Investigation*.

Kazuki Ikura, M.D., from the Tokyo Women's Medical University School of Medicine, and colleagues conducted an observational historical cohort study of 102 Japanese patients with diabetes after a first non-traumatic LEA.

The researchers found that during a mean follow-up period of 3.3 years, 44 patients reached the end point of all-cause [mortality](#). baPWV was a significant predictor for all-cause mortality in univariate and multivariate analyses (hazard ratios, 1.05 and 1.04, respectively; both P

"In conclusion, the present study may provide evidence that baPWV is a useful clinical predictor for all-cause mortality in [patients](#) with [diabetes](#) after first non-traumatic LEA," the authors write. "This finding should be confirmed in prospective studies with a larger sample size and a multi-center design."

**More information:** [Abstract](#)  
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