

# Only DM duration independently tied to microvascular events

3 October 2014

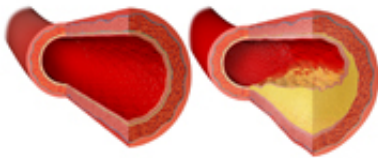


Image courtesy of Blausen Medical

(HealthDay)—In patients with type 2 diabetes, age or age at diabetes diagnosis and diabetes duration are independently associated with macrovascular events and death, but only duration of disease is independently associated with microvascular events, according to a study published online Sept. 17 in *Diabetologia*.

Sophia Zoungas, M.B.B.S., Ph.D., from the University of Sydney, and colleagues analyzed data from 11,140 patients (mean age, 65.8 years) with [type 2 diabetes](#) randomly allocated to intensive or standard glucose control. Patients were participants in the Action in Diabetes and Vascular Disease: Preterax and Diamicron Modified Release Controlled Evaluation (ADVANCE) trial.

The researchers found that the mean age at diagnosis was 57.8 years and mean diabetes duration was 7.9 years. There was an association between diabetes duration and the risk of macrovascular events (hazard ratio [HR], 1.13), microvascular events (HR, 1.28), and [death](#) (HR, 1.15). Age or age at diagnosis was only associated with the risk of macrovascular events (HR, 1.33) and death (HR, 1.56). There was no association found between diabetes duration, age, and the risk of macrovascular events or death (both  $P > 0.4$ ). Diabetes duration, age, and the risk of

microvascular events were significantly associated ( $P = 0.002$ ), with the greatest impact of increasing diabetes duration seen at younger rather than older age.

"In patients with type 2 diabetes, age or [age at diagnosis](#) and diabetes duration are independently associated with macrovascular events and death, whereas only diabetes duration is independently associated with microvascular events, and this effect is greater in the youngest [patients](#)," the authors write.

Several authors disclosed financial ties to pharmaceutical companies, including Servier, which partially funded the study.

**More information:** [Full Text \(subscription or payment may be required\)](#)

Copyright © 2014 [HealthDay](#). All rights reserved.

APA citation: Only DM duration independently tied to microvascular events (2014, October 3) retrieved 2 December 2020 from <https://medicalxpress.com/news/2014-10-dm-duration-independently-tied-microvascular.html>

*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.*