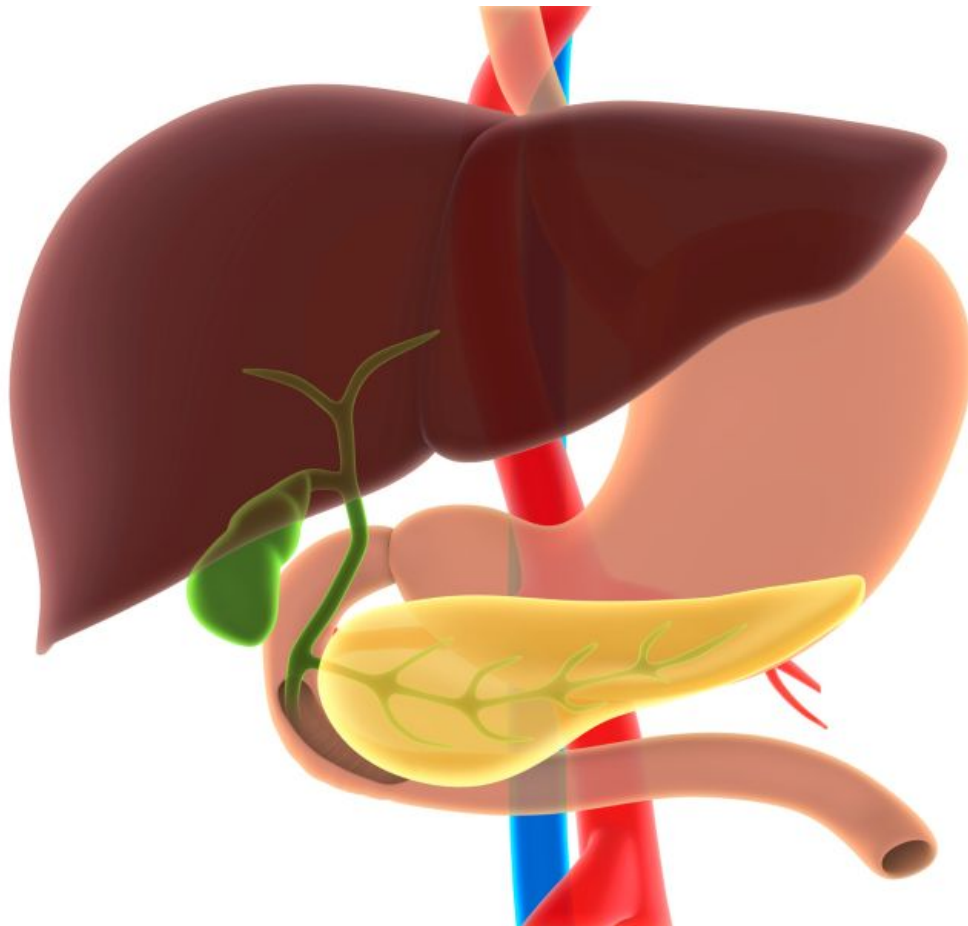


Digital assistant in closed-loop control mode beneficial in T1DM

April 20 2016



(HealthDay)—For patients with type 1 diabetes, a portable, wearable,

wireless artificial pancreas system (the Diabetes Assistant [DiAs]) improves glucose control at home in closed-loop control (CLC) modes, according to a study published online April 13 in *Diabetes Care*.

Stacey M. Anderson, M.D., from the University of Virginia in Charlottesville, and colleagues examined the efficacy of the DiAs on [glucose control](#) in 30 participants with type 1 [diabetes](#) aged 18 to 66 years at six clinical centers in four countries. The protocol included a two-week baseline sensor-augmented pump period followed by a two-week overnight-only CLC and a two-week 24/7 CLC at home.

The researchers found that, compared with baseline, glycemic [control](#) parameters for overnight-only CLC were improved during the nighttime period for hypoglycemia (time

Citation: Digital assistant in closed-loop control mode beneficial in T1DM (2016, April 20) retrieved 24 May 2024 from <https://medicalxpress.com/news/2016-04-digital-closed-loop-mode-beneficial-t1dm.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.
