Digital assistant in closed-loop control mode beneficial in T1DM

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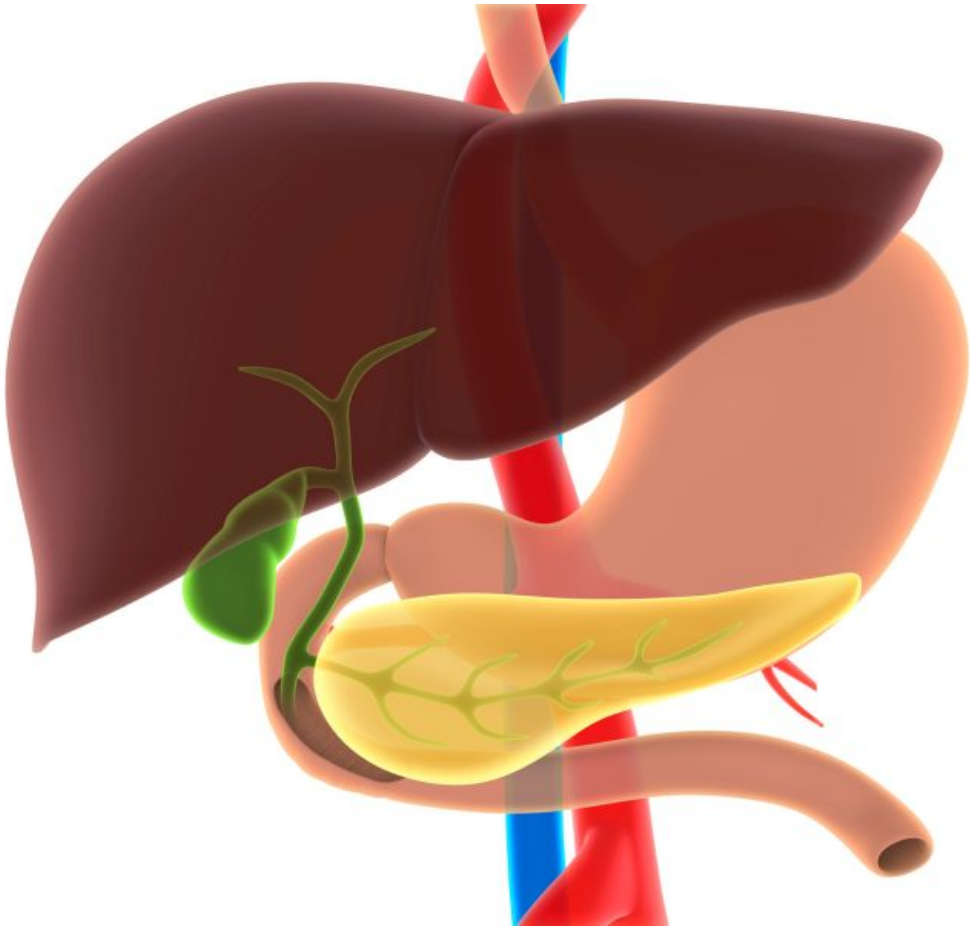

(HealthDay)—For patients with type 1 diabetes, a portable, wearable,

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