

Dual-hormone system may lower time in hypoglycemia in T1DM

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(HealthDay)—For physically active adults with type 1 diabetes, the

addition of glucagon delivery to a closed-loop system using wearable sensors with automated exercise detection is associated with reduced hypoglycemia, according to a study published online May 11 in *Diabetes Care*.

Jessica R. Castle, M.D., from the Oregon Health & Science University in Portland, and colleagues enrolled 20 participants with type 1 [diabetes](#). Participants underwent dual-hormone, single-hormone, predictive low glucose suspend, and continuation of current care over four days in a randomized order. Three moderate-intensity aerobic exercise sessions were included in each arm.

The researchers found that the lowest mean time in hypoglycemia was seen with dual-hormone during the exercise period (3.4 percent versus 8.3 [P = 0.009], 7.6 [P

"The addition of glucagon delivery to a closed-loop system with automated [exercise](#) detection reduces [hypoglycemia](#) in physically active adults with type 1 diabetes," the authors write.

Two authors disclosed financial ties to Pacific Diabetes Technologies.

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

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