

# Closed-loop insulin delivery promising in T1DM pregnancy

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(HealthDay)—For pregnant women with type 1 diabetes, a closed-loop

system is associated with comparable glucose control and significantly less hypoglycemia than sensor-augmented pump (SAP) therapy, according to a study published online March 13 in *Diabetes Care*.

Zoe A. Stewart, from the University of Cambridge in the United Kingdom, and colleagues recruited 16 [pregnant women](#) to an open-label randomized trial. Participants completed 28 days of closed-loop and SAP insulin delivery separated by a washout period; for up to six weeks postpartum, participants could continue to use the closed-loop system.

The researchers found that the proportion of time with [glucose levels](#) within target was comparable for the closed-loop and SAP insulin delivery periods (62.3 versus 60.1 percent). There was also no difference in the mean glucose (131.4 versus 131.4 mg/dL) and time spent hyperglycemic >140 mg/dL (36.6 versus 36.1 percent). Significantly fewer hypoglycemic episodes (median, 8.0 versus 12.5), and less time at

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