

# Insulin glargine 300 safe, effective in seniors with T2DM

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(HealthDay)—For older adults, insulin glargine 300 units/mL (Gla-300)

is safe and as effective as Gla-100, with a similarly low or lower risk of symptomatic hypoglycemia, according to a study published online June 12 in *Diabetes Care*.

Robert Ritzel, M.D., from Städtisches Klinikum München GmbH in Munich, Germany, and colleagues conducted a multicenter trial involving [older adults](#), aged  $\geq 65$  years, designed to have about 20 percent of participants be aged  $\geq 75$  years. A total of 1,014 participants were randomly allocated to receive Gla-300 or Gla-100, titrated to a fasting self-monitored plasma glucose of 5 to 7.2 mmol/L.

The researchers found that from baseline to week 26, the reductions in HbA1c were comparable for Gla-300 and Gla-100 in the overall population and for participants aged  $\geq 75$  years. Similar and low incidence and rates of confirmed or severe hypoglycemia events were reported between the groups, with lower rates of documented symptomatic hypoglycemia with Gla-300. Compared with the overall population, the subgroup aged  $\geq 75$  years had a more apparent lower risk of hypoglycemia with Gla-300 versus Gla-100. The annualized rates of documented symptomatic [hypoglycemia](#) were significantly lower with Gla-300 (Gla-300, 1.12 versus Gla-100, 2.71; rate ratio, 0.45).

"Gla-300 demonstrated good efficacy and safety in older people with type 2 diabetes, particularly in those of advanced age ( $\geq 75$  years)," the authors write.

Several authors disclosed ties to pharmaceutical companies, including Sanofi, which funded the study and the clinical trial considered in the analysis.

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

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