

# Once-weekly dulaglutide ups glycemic control in youth with T2D

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For youth with type 2 diabetes, dulaglutide is superior to placebo for

reducing mean glycated hemoglobin level, according to a study published online June 4 in the *New England Journal of Medicine* to coincide with the annual meeting of the American Diabetes Association, held from June 3 to 7 in New Orleans.

Silva A. Arslanian, M.D., from the University of Pittsburgh School of Medicine, and colleagues conducted a double-blind, placebo-controlled 26-week trial involving 154 participants (aged 10 to 85th percentile) being treated with lifestyle modifications alone or with [metformin](#) with or without basal insulin who were randomly assigned to receive once-weekly subcutaneous injections of placebo, dulaglutide 0.75 mg, or dulaglutide 1.5 mg. Participants were then included in a 26-week open-label extension, and those who had received placebo were switched to dulaglutide 0.75 mg.

The researchers found that at 26 weeks, the mean glycated hemoglobin level increased in the [placebo group](#) (0.6 percentage points) and decreased in the dulaglutide groups (−0.6 and −0.9 percentage points in the 0.75-mg and 1.5-mg groups, respectively). A higher percentage of participants in the pooled dulaglutide groups had a glycated hemoglobin level of less than 7.0 percent than in the placebo group at 26 weeks (51 versus 14 percent). In the placebo group, fasting glucose concentration increased (17.1 mg/dL), while in the pooled dulaglutide groups, there was a decrease (−18.9 mg/dL); no between-group differences were seen in the change in BMI.

"Among youths with inadequately controlled type 2 diabetes being treated with or without metformin or [basal insulin](#), once-weekly treatment with dulaglutide was superior to placebo in improving [glycemic control](#)," the authors write.

Several authors disclosed financial ties to [pharmaceutical companies](#), including Eli Lilly, which manufactures dulaglutide and funded the

study.

**More information:** Silva A. Arslanian et al, Once-Weekly Dulaglutide for the Treatment of Youths with Type 2 Diabetes, *New England Journal of Medicine* (2022). [DOI: 10.1056/NEJMoa2204601](https://doi.org/10.1056/NEJMoa2204601)

[Annual meeting of the American Diabetes Association](#)

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