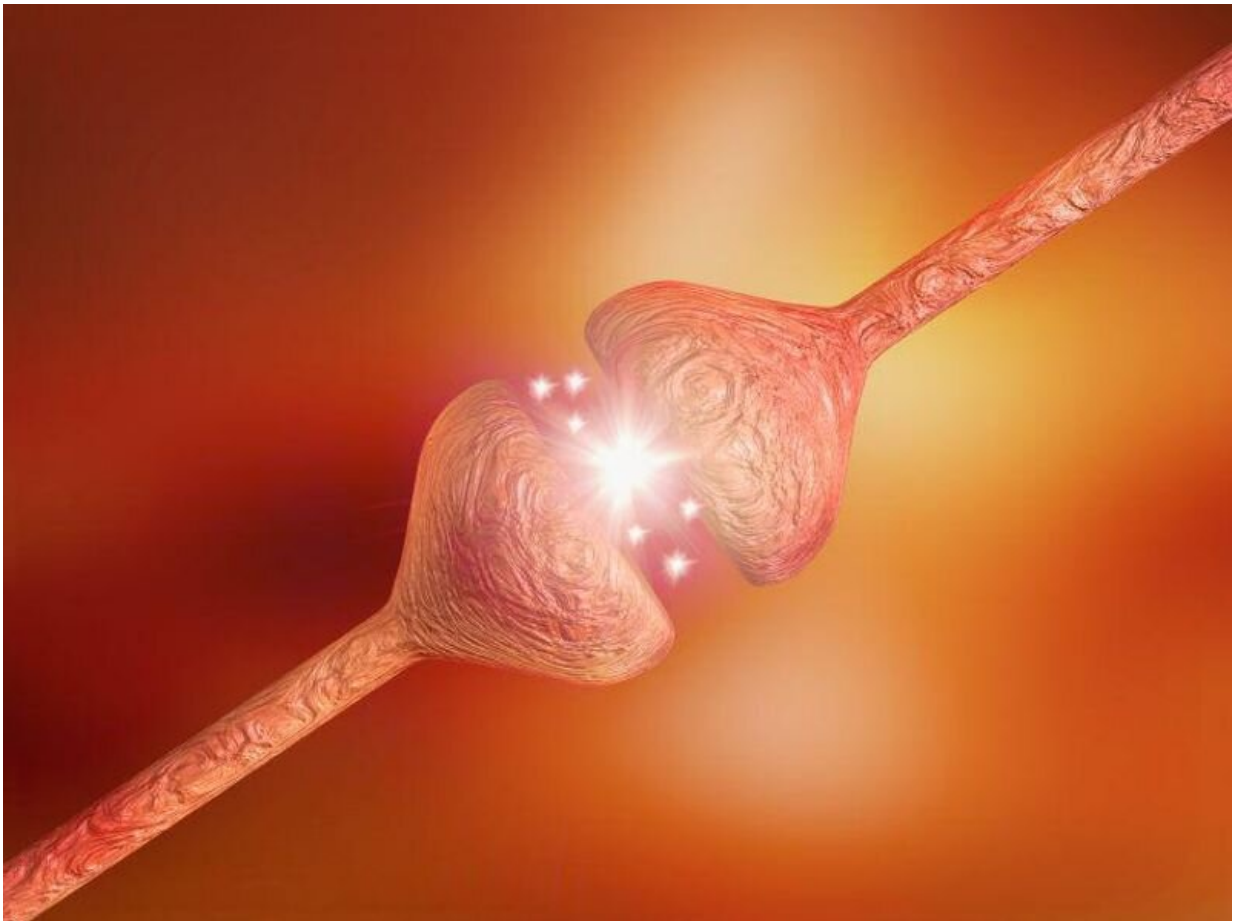


Monoclonal antibodies no better than placebo for early Parkinson disease

August 4 2022



The monoclonal antibodies cinpanemab and prasinezumab show almost

no benefit for early Parkinson disease, according to two phase 2 trials published in the Aug. 4 issue of the *New England Journal of Medicine*.

Anthony E. Lang, M.D., from the University of Toronto, and colleagues conducted a 52-week phase 2 trial involving participants with early Parkinson [disease](#) who were randomly assigned to receive infusions of placebo (control) or cinpanemab at a dose of 250 mg, 1,250 mg, or 3,500 mg every four weeks (100, 55, 102, and 100 participants, respectively), followed by an active-treatment dose-blinded extension period for up to 112 weeks. Due to lack of efficacy, the trial was stopped after the week 72 interim analysis. The researchers found that the change to week 52 in the Movement Disorder Society-sponsored revision of the Unified Parkinson's Disease Rating Scale (MDS-UPDRS) score was 10.8, 10.5, 11.3, and 10.9 points, respectively.

Gennaro Pagano, M.D., Ph.D., from the Roche Innovation Center Basel in Switzerland, and colleagues randomly assigned participants with early-stage Parkinson disease to receive intravenous placebo or prasinezumab 1,500 mg or 4,500 mg every four weeks for 52 weeks in a [phase 2](#) trial (105, 105, and 106 participants, respectively). The researchers found that the changes from baseline to 52 weeks in the MDS-UPDRS scores were 9.4 in the [placebo group](#), 7.4 in the 1,500-mg group, and 8.8 in the 4,500-mg group.

"Neither trial showed benefit with respect to the primary or secondary end points save that there was a suggestion that treatment with low-dose prasinezumab slowed progression on a secondary end point," write the authors of an accompanying editorial.

The Lang study was funded by Biogen, the [manufacturer](#) of cinpanemab; the Pagano study was funded by F. Hoffmann-La Roche and Prothena Biosciences, the manufacturers of prasinezumab.

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

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Monoclonal antibodies no better than placebo for early Parkinson disease (2022, August 4) retrieved 15 August 2024 from <https://medicalxpress.com/news/2022-08-monoclonal-antibodies-placebo-early-parkinson.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.