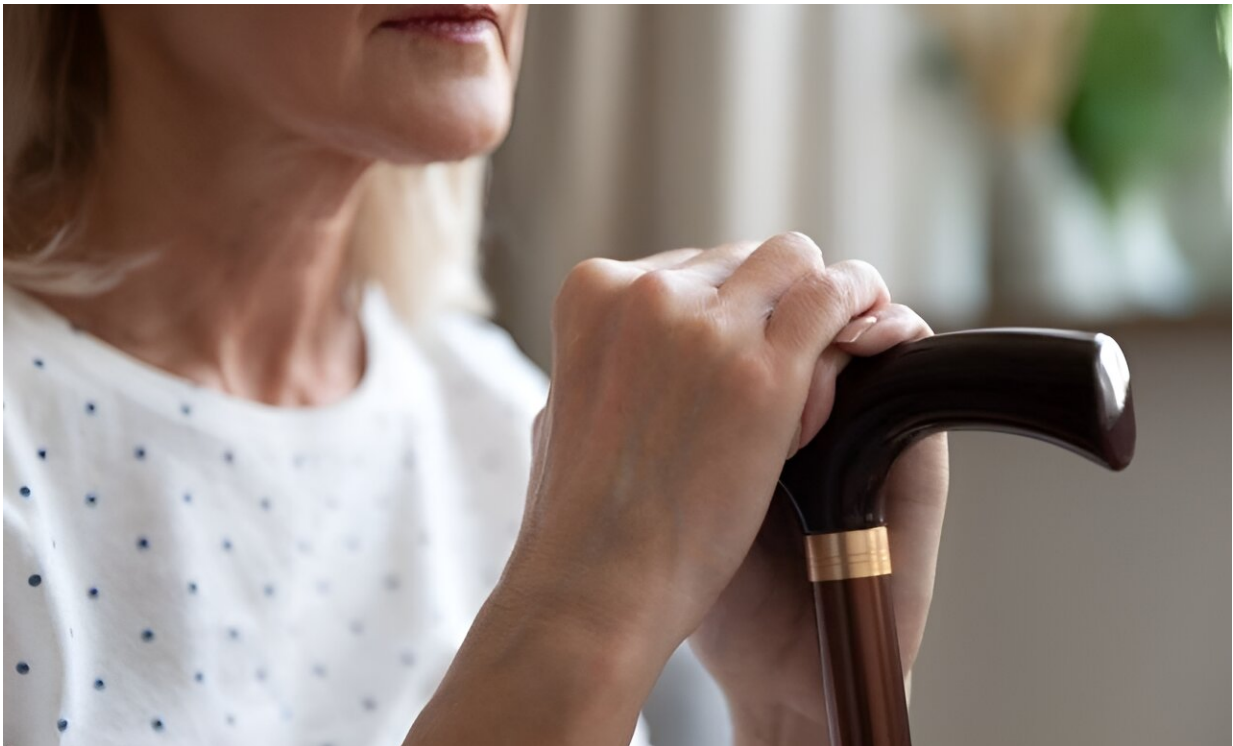


Study finds frexalimab has favorable effect on relapsing multiple sclerosis

February 15 2024, by Elana Gotkine



For patients with relapsing multiple sclerosis, the anti-CD40L monoclonal antibody frexalimab has a favorable effect on the number of new gadolinium-enhancing T1-weighted lesions, according to a [study](#) published in the Feb. 15 issue of the *New England Journal of Medicine*.

Patrick Vermersch, M.D., Ph.D., from the University of Lille in France, and colleagues conducted a Phase II, [double-blind trial](#) to examine frexalimab treatment for relapsing multiple [sclerosis](#). Patients were assigned to receive 1,200 mg of frexalimab administered intravenously every four weeks, 300 mg frexalimab administered subcutaneously every two weeks, or the matching placebos for each [active treatment](#) in a 4:4:1:1 ratio; 125 patients completed the 12-week, double-blind period.

The researchers found that the adjusted mean number of new gadolinium-enhancing T1-weighted lesions was 0.2 and 0.3 in the groups that received 1,200 and 300 mg frexalimab, respectively, compared with 1.4 in the pooled placebo group.

Compared with placebo, the rate ratios were 0.11 and 0.21 in the 1,200 and 300 mg frexalimab groups, respectively. For secondary imaging end points, the results were generally in the same direction as those for the primary analysis. COVID-19 and headaches were the most common adverse events.

"Treatment with the anti-CD40L monoclonal antibody frexalimab had a generally favorable effect, as compared with [placebo](#), on the number of new gadolinium-enhancing T1-weighted lesions at week 12," the authors write. "Larger and longer trials are needed to determine the long-term efficacy and safety of frexalimab in persons with relapsing multiple sclerosis."

More information: Patrick Vermersch et al, Inhibition of CD40L with Frexalimab in Multiple Sclerosis, *New England Journal of Medicine* (2024). [DOI: 10.1056/NEJMoA2309439](https://doi.org/10.1056/NEJMoA2309439)

Stephen L. Hauser, Silencing Immune Dialogue in Multiple Sclerosis, *New England Journal of Medicine* (2024). [DOI: 10.1056/NEJMe2314434](https://doi.org/10.1056/NEJMe2314434)

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