

Gonzalez-Lorenzo M, Ridley B, Minozzi S, Del Giovane C, Peryer G, Piggott T, Foschi M, Filippini G, Tramacere I, Baldin E, Nonino F. Immunomodulators and immunosuppressants for relapsing-remitting multiple sclerosis: a network meta-analysis. *Cochrane Database of Systematic Reviews* 2024, Issue 1. Art. No.: CD011381. DOI: 10.1002/14651858.CD011381.pub3.

## What are the benefits and risks of drugs acting on the immune system to treat relapsing-remitting multiple sclerosis?

- After 2 years of treatment, natalizumab, cladribine, and alemtuzumab perform better in reducing RRMS relapses.
- Longer studies (more than 24 months) are needed to assess immune-modulating drugs' benefits and harms for RRMS.
- Outcomes important to people with MS, like quality of life and cognitive function, should be the focus of future research comparing these drugs.



## EVIDENCE

The review included **50 studies** with **36,541 participants** (68.6% female, 31.4% male). The median treatment duration was **24 months**, and 50% of the studies were placebo-controlled. The studies were randomized controlled trials (RCTs). The evidence is up-to-date until **August 8, 2022**.

