

## عنوان مقاله:

Comparison of the Total Side Effects of Injectable Disease- Modifying Drugs for the First-line Treatment of Relapsing-Remitting Multiple Sclerosis

## محل انتشار:

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## خلاصه مقاله:

Background: Physicians generally prescribe disease-modifying drugs (DMDs) to reduce the frequency and severity of relapses in multiple sclerosis (MS). The frequency and severity of side effects are important factors that can affect drug choice. The main purpose of this analysis was to evaluate the side effects of different types of first-line injectable DMDs and determine which drug has more complications, and which drug has the most drug discontinuation rates due to severe side effects. Methods: Four groups of injectable DMDs were compared in ۳۸۶ relapsing-remitting MS (RRMS) patients in the range of ۱۵-۶۰ years who were controlled with these drugs for at least two years (۲۰۱۷-۲۰۱۹) and had the Expanded Disability Status Scale (EDSS) from ۰ to ۵ without underlying heart and liver diseases. Eventually, the frequency of side effects was determined for each group, and the collected data were compared in each treatment group. Results: In the present study, ۳۱% of patients had no complications. Most of the reported complications (۶۸.۲۵%) were mild in severity, and only ۱۵.۵% of the patients discontinued their therapy. Conclusion: The findings recommend that the side effects of different DMDs used for RRMS should be studied more comprehensively in clinical and post-marketing trials. Additionally, physicians should take note of these side effects of DMDs in their prescriptions .to increase patients' adherence to therapy

## کلمات کلیدی:

Disease-modifying drugs, Multiple sclerosis, Side effects

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