Prescription Patterns of Riluzole in a Population of Patients with Motor Neuron Disease

Jorge Machado Alba¹, Felipe Calvo Torres¹

¹Universidad Tecnologica de Pereira

Jorge Machado Alba

ABSTRACT

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Background. Amyotrophic lateral sclerosis (ALS) is a disease characterized by the progressive degeneration of the upper (UMN) and lower motor neurons (LMN), causing weakness, fatigue and muscular atrophy. **Objective.** To determine the prescription patterns of riluzole and the variables associated with its use in a population of patients with motor neuron disease. **Methods.** Descriptive cross-sectional study. Through a systematized database of approximately 3.5 million affiliates to the Health System of Colombia of Colombia, we selected patients who received riluzole. Sociodemographic and pharmacological variables and comorbidities were analyzed. **Results.** A total of 81 patients with motor neuron disease receiving riluzole were included, with an average age of 60.8 ± 12.6 years; 48.1% were men. The prevalence of motor neuron disease was 2.29 per 100,000 people. Sixty-three percent received medications reflecting comorbidities or possible interactions with riluzole. The average cost per daily prescribed dose was USD 2.3. **Conclusions.** Riluzole was prescribed to patients with motor neuron disease in Colombia at the doses recommended and with a direct cost lower than that reported in other countries.

ATTACHMENTS

[DB riluzol.xlsx](#)