

EDITORIAL

Why we should use long-acting injectable antipsychotics more frequently

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Depot antipsychotic drugs, or long-acting injectable antipsychotics (LAIs), have been available since the 1960s and were conceived mainly to improve adherence to treatment in patients with schizophrenia. Even though it is known that more than half of the patients with schizophrenia do not properly comply with oral medication treatments¹ and that LAIs are the best choice for such cases, the prescription of these drugs has significantly decreased over the years. Indeed, less than 30% of patients with schizophrenia are currently treated with LAIs.²

There is a widespread belief that LAIs have more and even worse adverse effects than their equivalent oral preparations. Although there is support for this notion in the literature,³ a recent review of randomized controlled studies has shown that, whereas some of the LAIs currently available may cause similar or more severe side effects, others such as risperidone have similar or even milder side-effect profiles than their oral counterparts.⁴

In addition, because LAIs have been used over the past 50 years, many psychiatrists consider that they are "old-fashioned" drugs. Notwithstanding, the fact is that second-generation LAIs such as risperidone became available in 2002, and paliperidone palmitate was only recently released in the market, in 2009.⁵

Recent evidence has shown that LAIs are more effective in preventing both relapse and re-hospitalization when compared with oral medications.² Furthermore, the availability of depot medication gives psychiatrists the opportunity to readily identify non-adherence to treatment and to reduce the risk of self-intoxication by inappropriate medication use.²

A large body of clinical and neurobiological evidence has shown that psychotic relapse is associated with brain volume reductions and clinical deterioration. This effect is particularly important in the years following the first psychotic episode. Psychiatrists usually consider LAIs

as their last choice, after the occurrence of several psychotic episodes, with their deleterious effects. Indeed, LAIs are not commonly indicated for first-episode psychosis, despite the high rates of non-adherence to treatment observed in this group of patients. Nevertheless, advantages of the use of LAIs have been consistently reported, and studies have shown that the risk of re-hospitalization for patients receiving depot medications is about one-third of that for patients receiving oral medications.⁶

Several studies have shown that the prevention of psychotic relapse has major implications for the minimization of damage and of some disabilities that typically affect these individuals.⁷ In other words, the earlier the pharmacological treatment is implemented, the better the prognosis. In this context, the use of depot antipsychotics could provide psychiatrists with the assurance that this window of opportunity would not be missed, especially in the initial phase of the disease - up to 5 years after the onset of psychotic symptoms -, a critical period for prognosis.

We expect that the attitudes of mental health professionals towards the use of LAIs become more based on facts than on myths. In this way, perhaps, misconceptions regarding depot antipsychotic drugs could be mitigated. Why aren't we prescribing LAIs more often? This is the question we all should ask ourselves.

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