

# EFFECTIVENESS AND SAFETY OF DIFFERENT INITIAL DOSES OF ARIPIPIRAZOLE INTRAMUSCULAR DEPOT

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## BACKGROUND AND IMPORTANCE

Aripiprazole intramuscular depot treatment is used for maintenance of schizophrenia in adult patients stabilised with oral aripiprazole. This drug can be started with single or double injection (400 or 800 mg). Real clinical data of these two regimens could be required to optimize treatments.

## AIM AND OBJECTIVES

To describe efficacy and safety of two different doses for starting aripiprazole depot therapy.

## MATERIALS AND METHODS:

An observational, retrospective, descriptive study.

**Hospitalized Patients** who **Started treatment** with **aripiprazole depot**.

**Two groups:**

- Single injection (400mg) start
- Double injection (800mg) start

From March 2019 to July 2021

Baseline patients were collected from:  
-Medical records  
-Electronic prescription programme

① Effectiveness endpoint: % of patients with requirement of hospitalization for each group at 12 and 26 weeks

② Safety evaluation: rate of adverse effects (AEs) and types in each scheme

## RESULTS/KEY FINDINGS



**A total of 77 patients:**

Mean age **40 (22-74) years**; **67.5% male**

**Diagnoses:** Psychotic disorder (61%), paranoid schizophrenia (23.4%), bipolar disorder (13%) and others (2.6%).

**Treatment start:** Single injection (61%), double injection (39%).

**Concomitant oral aripiprazole:** Single injection group (58.6%), Double injection group (73.3%).

**Different concomitants antipsychotics:** Single injection group (78.2%), Double injection group (76.6%)

### Effectiveness

	Single injection group	Double injection group
Week 12	29.8%	20%
Week 26	42%	26.7%

### Safety

	Single injection group	Double injection group
<b>Rate of AEs</b>	<b>36%</b>	<b>32%</b>
Sedation	<u>25%</u>	11%
Anxiety	18.8%	22%
Somnolence	18.8%	11%
Akathisia	12.5%	<u>33%</u>
Others	24.9%	23%

## CONCLUSION AND RELEVANCE

① Start with double dose aripiprazole depot treatment showed lower percentages of re-hospitalization than single-dose regimen for maintenance treatment of patients with schizophrenia.

② Similar AEs were observed for both regimens.

