8 YEARS’ EVOLUTION OF ANTIPSYCHOTICS PRESCRIPTIONS IN A MENTAL HEALTH PUBLIC INSTITUTION

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Background

Mental health institution
- 806 inpatients beds
- 962 medical and social care places
- Antipsychotics (APs) : one of the most prescribed pharmacological classes in our hospital (schizophrenia, bipolar disorder)

Objective

Assess the evolution of AP’s prescriptions over the period 2010-2017

Study Design

Data extraction : Consumption of APs between 2010 and 2017

Use of Daily Defined Dose (DDD) established by the World Health Organization

Results expressed in number of DDD / 1000 days of hospitalization (DH) to consider the evolution of the activity during the study period.

Results

22 APs studied : 6 second-generation AP (SGA) and 16 first-generation APs (FGA)

SGA versus FGA

Evolution of consumption of APs (number of DDD/1000DH)

Most consumed molecules (except loxapine and cyamemazine)

Immediate-release versus long acting forms

Evolution of consumption of APs (number of DDD/1000DH)

Discussion

- The increase in SGAs use reflects international recommendations for the use of SGAs as first-line treatment based on the drug’s superior tolerability and a greater efficacy on negative symptoms.
- Use of long-acting antipsychotics can improve treatment adherence and allow the development of a better therapeutic alliance by increasing contact frequency with the nursing staff.
- Surprisingly, Olanzapine is the most consumed molecule; this may be related to psychiatrist’s practices and the use of significantly higher doses than DDD.

Conclusion

- This study allowed us to assess the evolution of APs consumption in our establishment.
- In overall, this confirms the predominant use of SGA and the use of extended-release forms.
- However, we can question the relevance of DDDs in psychiatry given the variability of APs doses used according to the molecules and psychiatrists’ patterns.

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