

# AN OBSERVATIONAL RETROSPECTIVE STUDY ON TREATMENT ADHERENCE OF LONG-ACTING INJECTABLE ANTIPSYCHOTICS

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ATC code: N05 - Psycholeptics

## Background and importance

- Treatment with long-acting injectable (LAI) antipsychotics have been shown to improve treatment adherence when compared with treatment with oral antipsychotics.
- It is still controversial if the adherence would be modified with the use of polytherapy with oral and LAI antipsychotics.

## Aim and objectives

- ❖ To evaluate treatment adherence in patients with different psychiatric disorders:

LAI antipsychotics (monotherapy)

vs

LAI and oral antipsychotics (polytherapy)

## Material and methods

Observational retrospective study

2nd-level hospital

Patients who began treatment with LAI antipsychotics before 2016

Monotherapy: LAI antipsychotics

Polytherapy: LAI + oral antipsychotics

Data obtained from :

- Electronic clinical history → Demographics

- Electronic registration of LAI antipsychotics administrations and oral antipsychotics withdrawal at pharmacy offices → Adherence

Optimal adherence was defined as 100% of the prescriptions withdrawn or 100% of the doses of LAI antipsychotic administered.

## Results

73 patients were included

Mean age : 57,1 yo

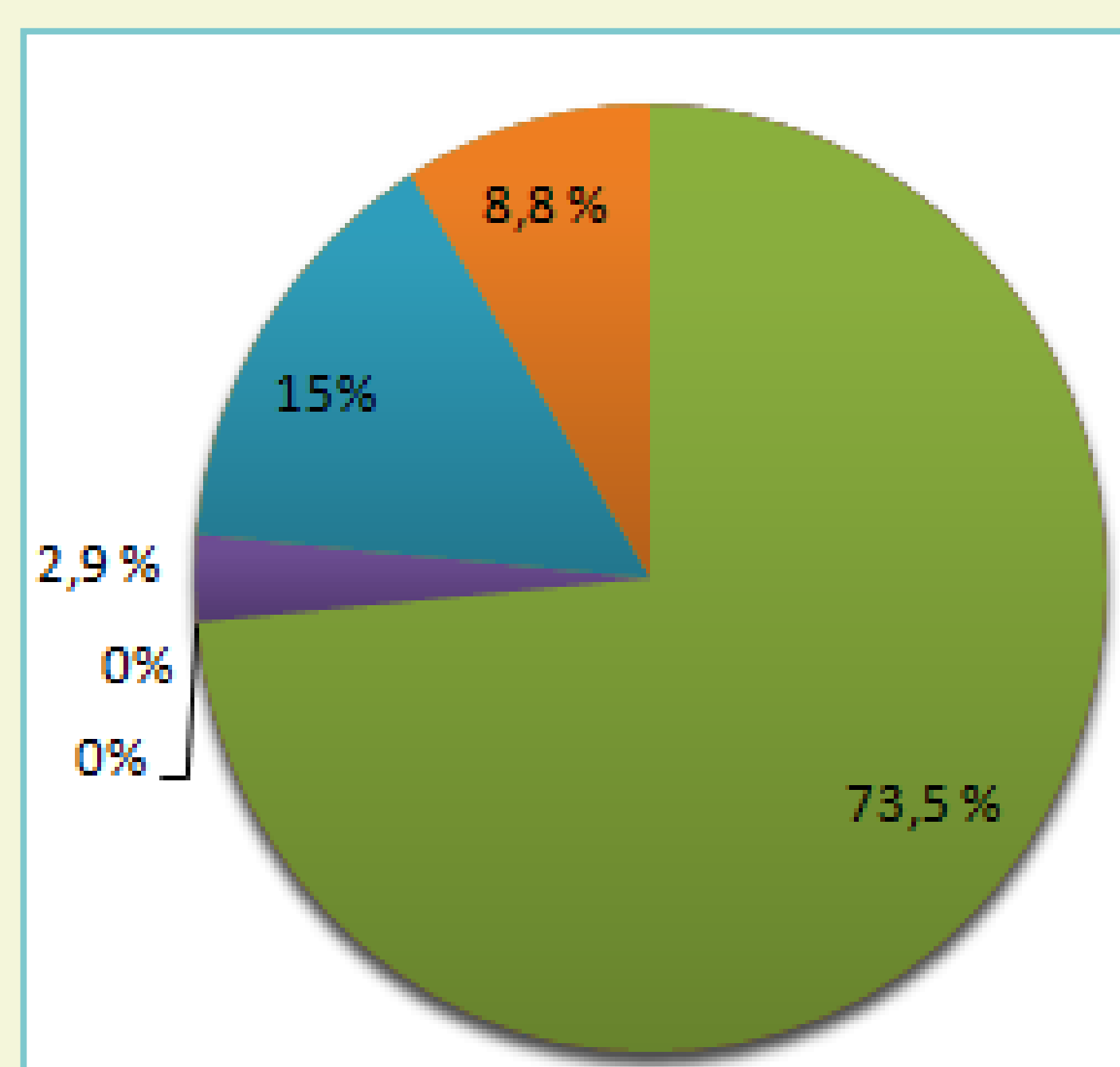
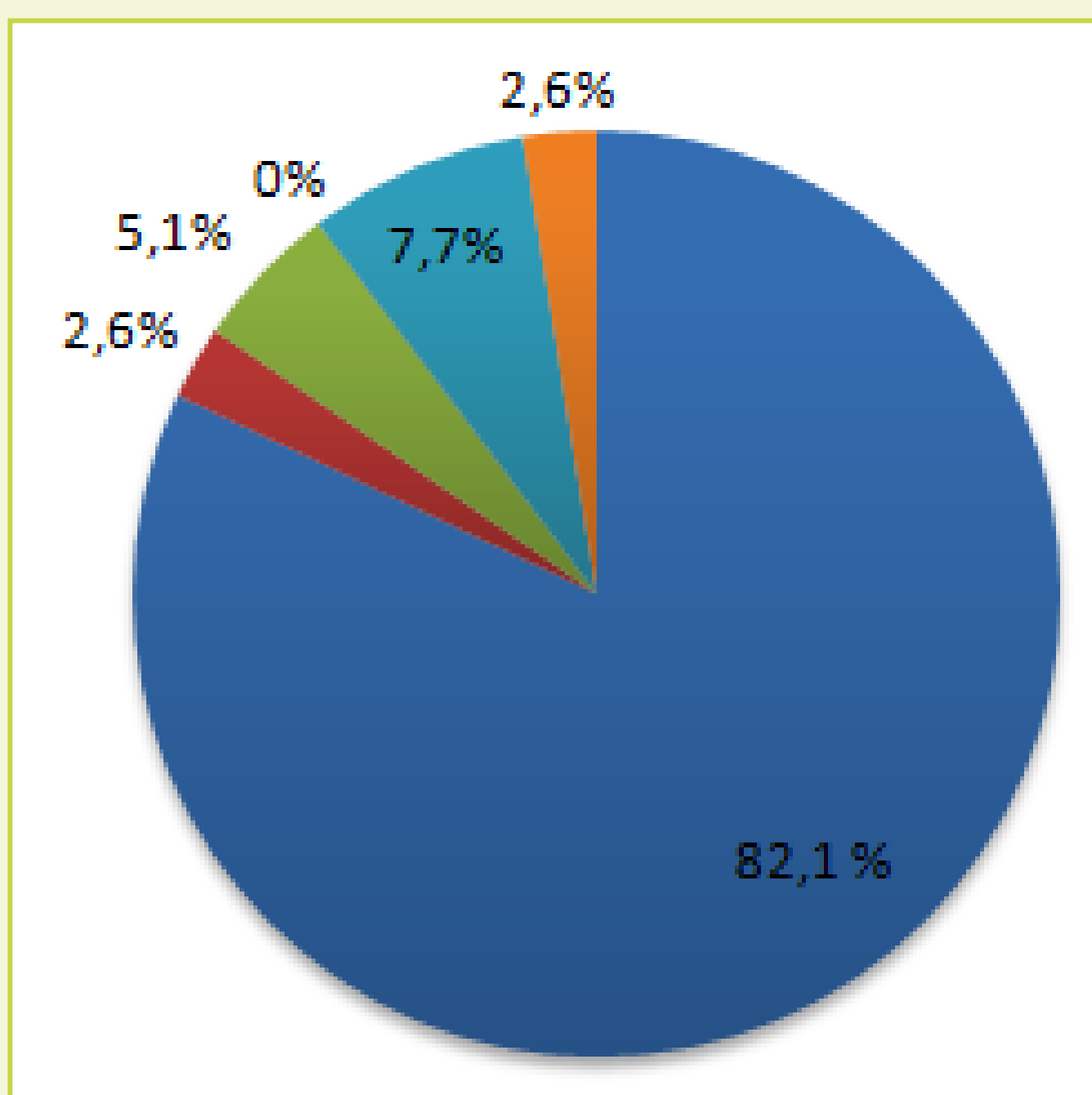
39 patients monotherapy

34 patients polytherapy

## Diagnosis

### Monotherapy

### Polytherapy

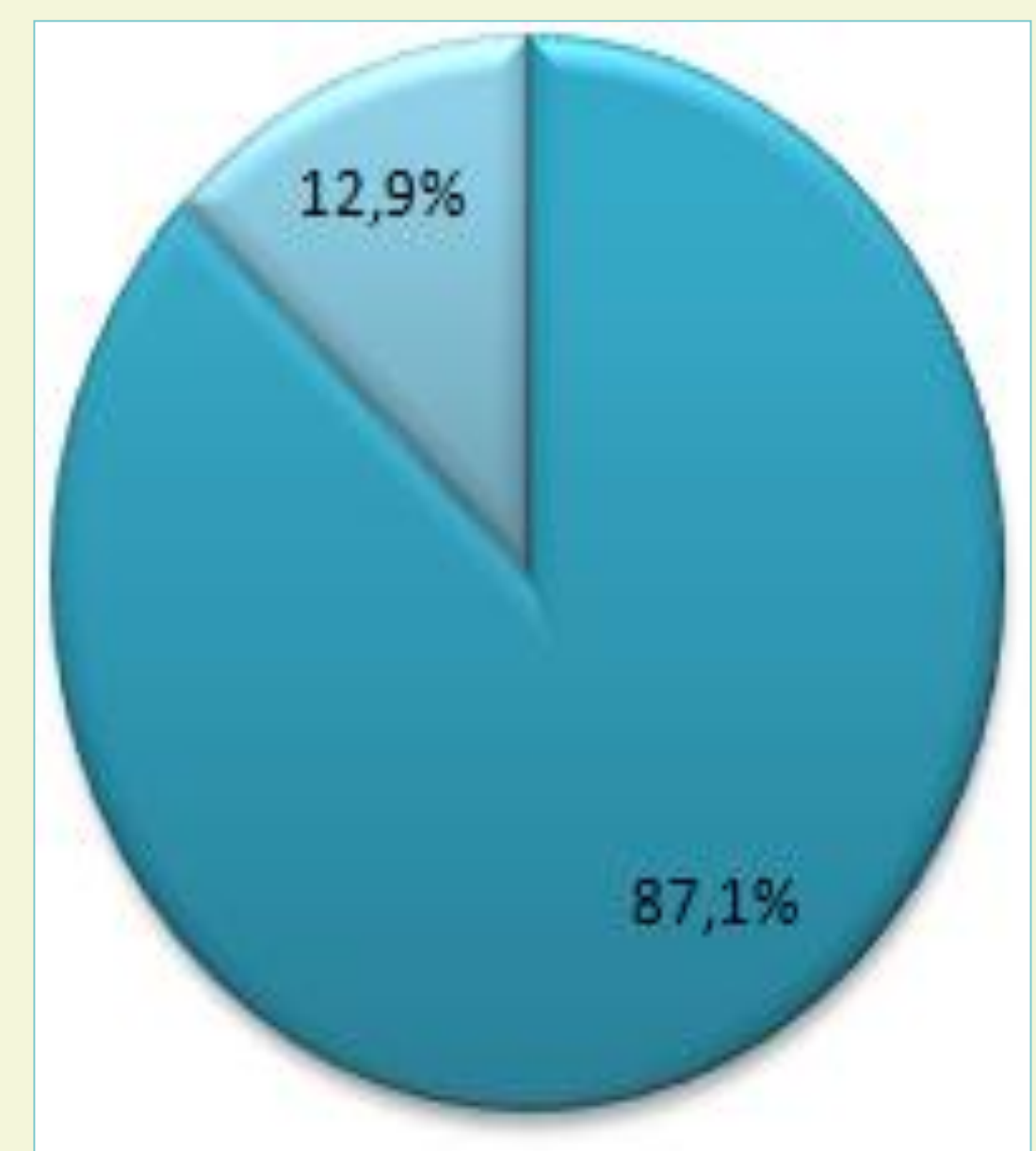
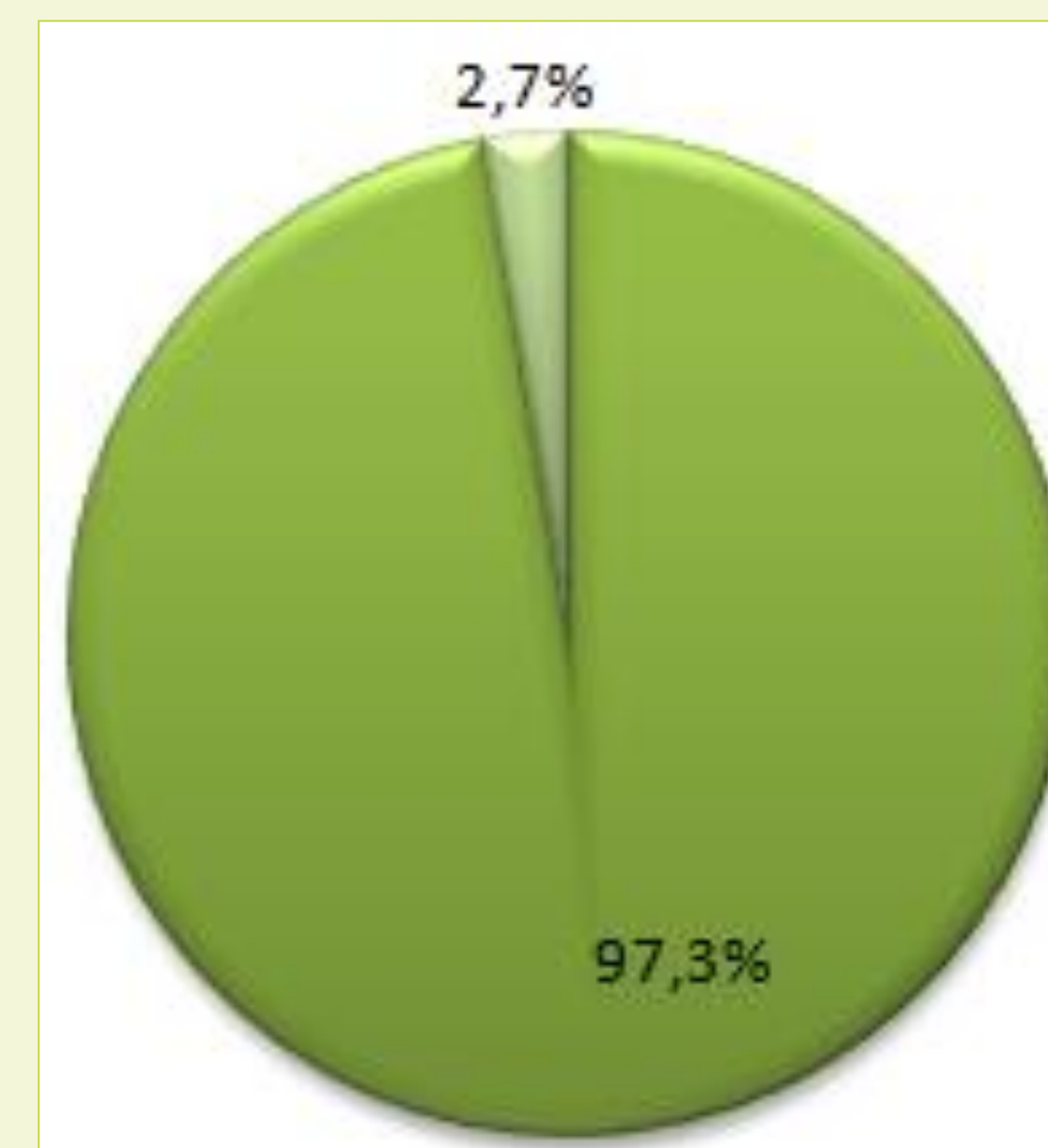


■ Psychosis  
 ■ Substance use disorder  
 ■ Bipolar disorder  
 ■ Obsessive compulsive disorder  
 ■ Personality disorder  
 ■ Mental retardation

## Adherence

### Monotherapy

### Polytherapy



■ Optimal Adherence  
 ■ Suboptimal Adherence

■ Optimal Adherence  
 ■ Suboptimal Adherence

## Conclusion

- ✓ Adherence to treatment was suboptimal in both groups, but lower in the patients receiving polytherapy with oral and LAI antipsychotics.
- ✓ Treatment adherence decreases as treatment complexity increases, as seen in previous literature.