



### OFF-LABEL USE OF GABAPENTIN AND PREGABALIN IN A TERTIARY HOSPITAL

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## Background

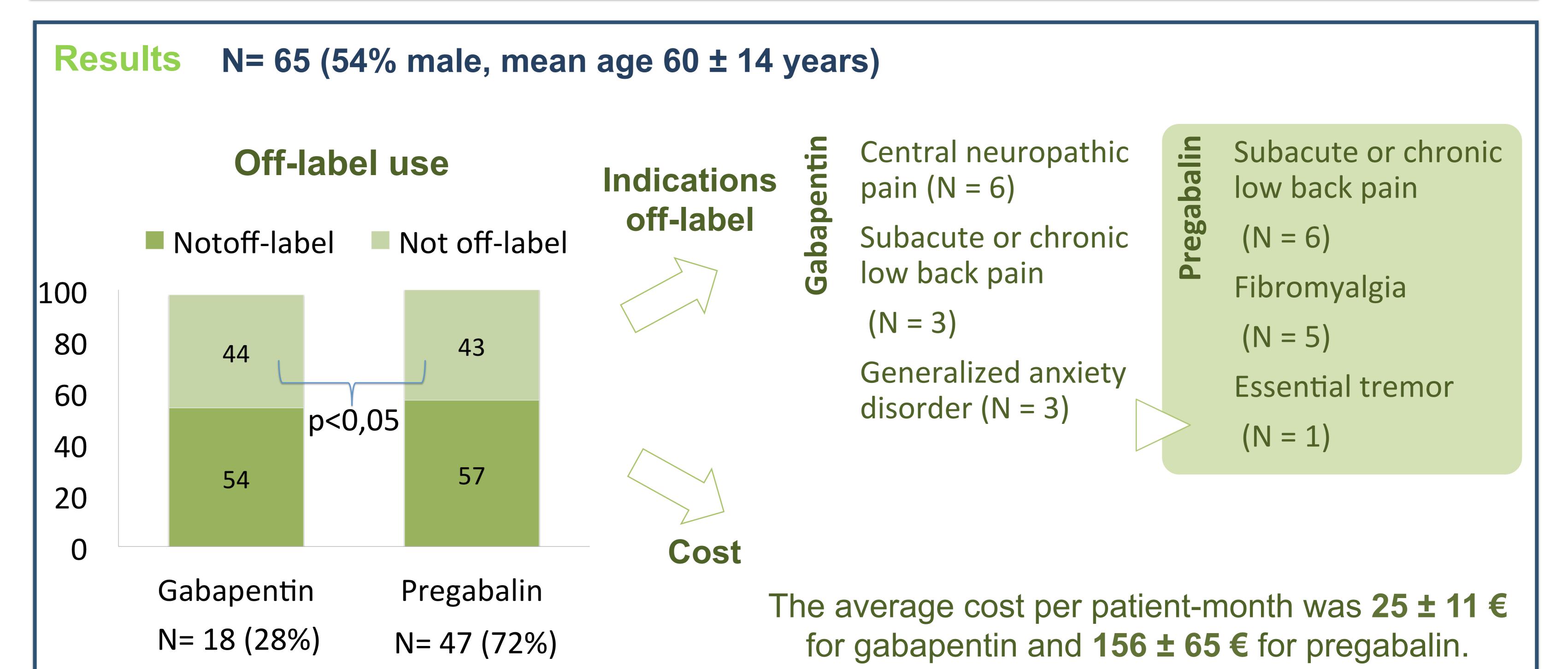
Gabapentin and pregabalin are two GABA analogues, example of an evergreening strategy. Both have been associated with a markedly off-label use.

# Objective

To describe the extent and nature of the off-label use of gabapentin and pregabalin.

## **Material and Methods**

- **Study design:** Prospective observational study
- ❖Inclusion criteria: Patients on therapy with gabapentin or pregabalin during any time of the June-August 2014 period in a tertiary hospital.
- ❖ Variables collected → To describe the rate and nature of the overall and by drug off-label use
  - Demographics
  - Drug (pregabalin vs gabapentin)
  - Therapeutic indication
  - Dosage
  - Cost per patient-month (according to retail prices)
- ❖ Data sources: Medical and pharmacy refill records.
- **Statistical analysis:** SPSS-20.



#### Conclusion

Gabapentin and pregabalin are often prescribed as an off-label use. Despite having failed to demonstrate clinically relevant differences over gabapentin, pregabalin holds a high prescription rate with consequent extra costs for the hospital, representing an area of improvement in promoting rational drug use.