

## **Abstract**

Ticyclic Antidepressants Consumption In Czech Republic

Charles University

Faculty of Pharmacy in Hradec Králové

Department of Social and Clinical Pharmacy

Author: Zuzana Květenská

Supervisor: PharmDr. Pavel Horký, Ph.D.

Tricyclic antidepressants are one of the oldest groups of antidepressants. Except for indication for depression, they are used in the therapy of chronic pain or enuresis nocturna in children. Nowadays, tricyclic antidepressants are drug of the first choice only in some types of neuropathic pain, and in other indications they have been replaced by newer substances with a lower occurrence of side effects.

The aim of this work is to find out how consumption of tricyclic antidepressants has developed and what share in utilization of antidepressants they represent.

Data for this work were obtained from the State Institute for Drug Control of the Czech Republic; namely from distributors' report about supplies of medicinal products to pharmacies and healthcare facilities, sellers of selected medicinal products, other distributors and veterinary doctors. Utilization was evaluated for the period from 1 January 2008 to 31 December 2018 with DUR (drug utilization review). For evaluation, a defined daily dose per 1000 inhabitants per day and methods of descriptive statistics was selected.

A slight decrease of utilization of tricyclic antidepressants was observed for the watched period, as well as decrease in their share on antidepressants utilization. The reason for the decrease could be the side effects of tricyclic antidepressants or their possible interactions with other drugs.

**Key words:** drug utilization, tricyclic antidepressants, amitriptyline, dosulepine, imipramine, clomipramine, nortriptyline