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Antihypertensive Drugs Consumption Trends: An Observational Study from Portugal

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Abstract | **Full Text**

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Introduction

Early Rise in Aldosterone is Correlated with Increase in Blood Pressure in Sunitinib Treated Patients with Metastatic Renal Cell Carcinoma
Thijs, A. et al.

Antihypertensive drug is a very complex clinical and economic issue. We describe and characterize the consumption of antihypertensive drugs in Portugal.

A study was conducted, using monthly-aggregated sales data, between January 2011 and December 2012. We studied the sales of all presentations of antihypertensive drugs, aggregating them by the Anatomical Therapeutic Classification (ATC): C02 (Antihypertensives); C03 (Diuretics); C07 (Beta Blocking agents); C08 (Calcium channel blockers); and C09 (Agents acting on the rennin-angiotensin system). Consumption trends were evaluated using sales data provided by IMS Health Portugal. It was calculated the DID (Defined daily doses per 1000 inhabitants per day). Descriptive statistical analysis was used.

Results

Antihypertensive drugs consumption trends revealed to be stable during the study period. More than 50% of all drugs sold are agents acting on the rennin-angiotensin system (C09), and the antihypertensives (C02) were the less sold. Consumption of diuretics and beta-blocking agents are approximately the same during these 2 years (varies from 15% of 20%) and the consumption of calcium channel blockers is a little bit lower (varies between 10% and 15%). The most sold molecule was furosemide (C03CA01), followed by bisoprolol (C07AB07) and indapamide (C03BA11).

Conclusion

Consumption trends of each one of the five ATC subgroups was stable during the study-period of two years. As future perspective, it seems to be fundamental to compare these consumption trends with European and international published values, and also to evaluate it considering the clinical practice guidelines used in Portugal.

Disclosure of Interest

Nothing to disclose.

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