



PhD in Pharmacoepidemiology

Research Area: Pharmacy Practice/ Pharmacoepidemiology

Title: Patient Safety: Cardio and Cerebrovascular Risk of Major Adverse Events following exposure to Potentially Inappropriate Medications

Cardio and cerebrovascular diseases are the leading cause of death in Portugal, becoming one of the priorities in Health Policy. Many measures have been implemented to tackle the problem by the national bodies, but none of them focuses on potentially inappropriate medications. As the worldwide population ages, polypharmacy emerges and several screening tools describing extensive lists of medications have developed to improve prescribing and increase patient safety. However, no risk of major adverse cardio and cerebrovascular events (MACCE) is objectively presented in these tools. Therefore, this project aims to: first identify medicines with major negative impact on patient safety; secondly assess the odds of MACCE occurrence after drug exposure using real life data from external and national databases; thirdly include the final results in softwares used in the national healthcare system (as a pop-up system), to alert practitioners and other healthcare workers on MACCE after exposure to certain medicines in order to increase patient safety.

Keywords: Patient safety; MACCE; Potentially Inappropriate Medications; Medication review

Publications

<http://dx.doi.org/10.2147/CIA.S192252>

<https://doi.org/10.1111/jcpt.12811>

<https://doi.org/10.1007/s11096-018-0665-1>

Supervisors: Professora Doutora Filipa Alves da Costa (Supervisor), Professora Doutora Ana Paula Martins (Co-supervisor), Professor Doutor Hubert Leufkens (Netherlands, Co-supervisor)

Start Year: 2017