

PS2.227

Evaluation of the knowledge of the use of adrenaline pen in a medical emergency - research protocol

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Background & Aim: Anaphylaxis is a medical emergency with a high mortality rate that can be drastically reduced if treated immediately and effectively. The treatment is based on the administration of adrenaline, so it is vital to have a precise knowledge of the use of a pen containing this drug. Recognition of the clinical signs of a potentially fatal situation proves to be a priority before the administration of epinephrine. Thus, health professionals and other professionals of the school community should have the adrenaline pen and know how to use it. Aim: evaluate the practical demonstration of the use of the adrenaline pen and knowledge of the situations which require the administration by: family physicians, pediatricians, teachers and educational assistants.

Method: Study: observational, multicentered, analytical and cross-sectional. Population: family physicians, pediatricians, teachers and educational assistants. Inclusion criteria: professionals available to participate in the study. Sample: not random, convenience. Statistical analysis: descriptive and analytical. The researchers will apply a questionnaire to the participants in the study, which will include: demographic data of the participants, knowledge of situations that require adrenaline administration and fulfillment of the various steps of use of the epinephrine pen. This study will be conducted after obtaining authorization by the Ethics Committee, Family Health Units, Pediatric Services and Schools.

Results: The results will be presented after the data collection and subsequent analysis.

Conclusions: This study will allow the assessment of knowledge of the various selected professional groups. The results could serve as a motive for accomplishment of educational sessions for health among them. These sessions will have the main goal of raising awareness of an emerging situation in which the immediate administration of epinephrine may improve their prognosis.

Disclosure: No conflict of interest declared.