



Efficacy of Adrenaline Auto-Injector Diary

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Methods

Study population

This was a multicenter study. Between October 2017 and August 2018 , patients who filled a prescription for EpiPen[®] were invited to participate in this study .

Intervention and Procedure

Patients were provided with AAI diary. In the diary, patients or caregiver filled out practice day and practicing person: patient or caregiver. At recruitment and after around one year, we checked patients or those caregiver about how to use AAI with EpiPen[®] trainer: a) How to hold the AAI, b) Removing the cap, c) Selecting the mid-anterolateral thigh as the correct site of injection, d) Hold firmly in place for 5 seconds, and, e) Massage after injection.

Questionnaire

The caregivers or patients were asked about patient age, caregiver's age, history of anaphylaxis of patients and other family member, experience of training of AAI at the work place if caregivers were subjects for this study, and experience of using AAI.

Inclusion criteria

Patients who filled some prescriptions for AAI in Department of Pediatrics of Kochi Medical School(K) and Kochi Prefectural Hata Kenmin Hospital (H)in Japan.

Exclusion criteria

1. The caregiver who did not give consent for us. 2. Siblings who participated in this study. 3. Patients who moved from our hospital.

Statistical analysis

Data was analysed using SPSS software version 23. Frequencies are reported as numbers and percentages. Continuous data are presented as median with interquartile range (IQR). Fisher exact test was also used to compare all categorical variables.

Ethical approval

This study was approved by Ethical Review Board of Kochi Medical School and Kochi Prefectural Hata Kenmin Hospital