

Real world evidence; Tolerability of a rapid protocol in one day in polysensitized patients

TP-C23

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Background

Polysensitization has been related with higher severity of allergic symptoms; allergen immunotherapy mixtures have always been discussed because of the efficacy and safety of these mixtures, above all safety in pediatric population.

The aim of this study is to seek the safety of an accelerated step up protocol of 1 day and the overall safety during a year of treatment with a polymerized without aluminum allergen immunotherapy of olive tree and grasses.

Methods

This is a real world multicentric study in South West Spain where we included patients that had received a polymerized allergen immunotherapy of *Olea europaea* and wild grasses, with a rapid schedule of 1 day (0,2ml + 0,3ml with 30 minutes interval) ; after it, there was a follow up of one year where all the adverse reactions were gathered and correlated to the demographic data of the patients.

Results

- 57 patients

| | |
|-------------|--|
| 41 Children | } All of them were diagnosed with asthma and rhinitis to wild grasses and olive tree |
| 16 Adults | |

63,2% men

5 (7%) local adverse reaction

0 Systemic adverse reactions



The incidence in adults of adverse reactions was 12,5%

The incidence in children of adverse reactions was 4,9%

Well tolerated by 92,2% of the sample

We had a ratio of 0,54% adverse reactions each 100 injections

100% completed the treatment

Conclusions

We presented a study of a rapid step up protocol with a polymerized allergen immunotherapy mixture, with higher prevalence of pediatric population, where we had a very low incidence of adverse reactions and patients tolerated well the treatment, saving time and costs not only to the patient but also to the health care centers.