

# Efficacy and safety after one year treatment with polymerized allergen immunotherapy mixture; Real world study

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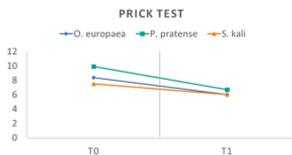
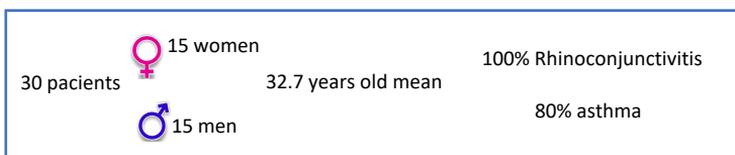
## Background

Allergen immunotherapy it's the only curative treatment for allergic diseases, and gives polysensitized patients a solution for they multiple allergies. New modified extracts without aluminum and other substances allows us to do faster build up protocols in a safer way and safe time and cost to the patient and to the hospitals. The aim of this study is to proof the safety of this new extracts and confirm via the real practice available biomarkers, the efficacy of the treatment in a short period of time.

## Methods

This is a retrospective real life study were we studied the evolution of the patients treated with polymerized allergen immunotherapy mixture to olive tree and wild grasses and olive tree and Salsola kali; we analysed the safety of a fast schedule in one day and the safety along the year treatment; we did skin prick test and blood test to total IgE and IgG4 and specific IgE and IgG4 at time 0 and time 1 (after 1 year), we also did a quality of life questionnaire (RQLQ) at time 0 and time 1.

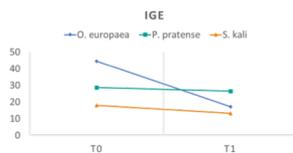
## Results



35.7% *P. pratense*

28.5% *O. europaea*

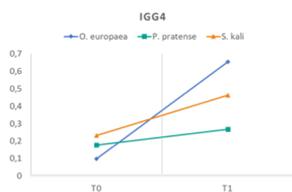
20% *S. kali*



7,6% *P. pratense*

61,25% *O. europaea*

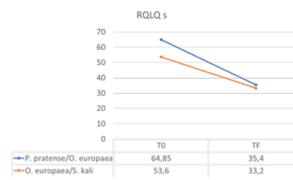
27,1% *S. kali*



34% *P. pratense*

85,2% *O. europaea*

50% *S. kali*



54,6% Olive tree + grasses

38% *S. kali* + Olive tree

Adverse reactions → 0,5 adverse reaction each 100 injections

## Conclusions

We present a real-life study which demonstrate safety of a one day step up protocol and utility of the blood and skin prick test to follow up our patient's treatment, also endorse the importance of doing a quality-of-life questionnaire for a more stretch follow up. Although it's a small cohort the results are very promising to treat in a fast and safe way, polysensitized patients.

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