A pan-allergen patient with eosinophilic esophagitis
Josué Alejandro Huertas Guzmán, Montserrat Bosque García, Oscar Asensio, Laura Valdesio Navarrete, Helena Larramona, Xavier Domingo Miró
Pediatric Pulmonology and Allergy Unit, Hospital de Sabadell, Corporació Parc Taulí, Barcelona, Spain

Introduction: The treatment of food allergy is the exclusion diet. Oral immunotherapy (OIT) can be a therapeutic alternative, however described immediate adverse reactions during its implementation. The eosinophilic esophagitis (EoE) is a chronic disease: Esophageal dysfunction and infiltration Eosinophilic ≥ 15 eosinophils (eos/hpf) field in 4 fields. Some recent studies describe it as secondary adverse long-term reaction to the OIT.

Case Description: 7 year old male patient with an atopic dermatitis history, debuts with urticaria and angioedema after egg tortilla and fish ingestion at 12 months of life. 3 years old: IgE 360UI/ml, Ovomucoid 1.61kU/L, Egg white 14.5kU/L, Egg yolk 1.59kU/L, Ovalbumin 15.61kU/L, Cod 10.4kU/L, Tuna 21.4kU/L, Hake 7.24kU/L, Sole 6.47kU/L, Four-spot megrim 7.06kU/L. Prick: Egg white 6/5, Egg yolk 3/5, Egg 3/5, Ovalbumin 2/5, Ovomucoid 3/5, Cod 7/5, Sole 6/5, Hake 5/5. Oral challenge (PPO) to boiled egg was negative, so diet is indicated with egg cooked 3 times a week and without fish. Later the patient concerns hives after eating Peach, practiced prick: LTP 5/6, Profilina 0/6, Egg white 8/6, Egg yolk 5/6, Egg 2/6, Ovalbumin 2/6, Ovomucoid 4/6, Peach 2/6, Cod 8/6, Sole 7/6, Hake 6/6. IgE 404 IU/ml, Prup3 LTP Peach 4.49kU/L, Ovomucoid 0.83kU/L, Egg White 8.95kU/L, Ovalbumin 8.62kU/L, Egg Yolk 1.59kU/L, Four-spot megrim 3.82kU/L, Cod 5.1kU/L, Hake 4.4kU/L, Tuna 5.35kU/L, Sole 5.52kU/L. Practiced PPO Omelette was positive, so begins desensitization with egg white, diet without peach and fish. At 7 years old, patient describes food impactionation, so endoscopy was performed > 40 (eos/hpf). Treatment: Fluticasone 250mcg BID, Omeprazol, diet without egg, fish and peach.

Comments: The present case can suggest the implication between EoE and the reintroduction of allergic food so recommendation of stretch following of this patients should be performed after an OIT.