Dear Members,

We hope this email finds you well in these challenging times.

We present herein the activities of the EAACI Pediatric Board, including ongoing and completed task forces, publications, collaborations, outreach and meetings.

We also include reports from:

1) Pediatric Allergy and Immunology journal (here)
2) European Training Committee in Pediatric Allergology (here)
3) Clement von Pirquet Foundation (here).

Warm regards,

The EAACI Pediatric Section Board
Pediatric Section Mission Statement

Engaging patients, colleagues, members of the Pediatric Section, other EAACI Sections/IG/WG, national societies and patient organisations

Current number of members: 3242
Junior Members: 1234

from 107 countries worldwide
Education Achievements in 2018-2020

Chair: Montserrat Alvaro Lozano
Secretary: Carmen Riggioni
Collaboration: Pediatric, Immunotherapy, Food allergy, JMA

Participation in all scientific programme committee meetings and marathon meetings

Section participation in formulating and submitting exam questions for the Pediatric arm of the EAACI UEMS exam

Chair: Montserrat Alvaro Lozano
Co-Chair and Local-Chair: Antonella Muraro
Preventing food allergy in infancy and childhood: Systematic review of randomised controlled trials

Debra de Silva, Susanne Halken, Chris Singh, Antonella Muraro, Elizabeth Angier, Stefania Arasi, Hasan Arshad, Kirsten Beyer, Robert Boyle, George du Toit, Philippe Eigenmann, Kate Grimshaw, Arne Hoest, Carla Jones, Ekaterina Khaleva, Gideon Lack, Hania Szajewska, Carina Venter, Valérie Verhasselt, Graham Roberts, on behalf of European Academy of Allergy, Clinical Immunology Food Allergy, Anaphylaxis Guidelines Group
EAACI Guideline on the Effective Transition of Adolescents and Young Adults With Allergy and Asthma

Graham Roberts 1, 2, 3, Marta Vazquez-Ortiz 4, Rebecca Knibb 5, Ekaterina Khaleva 1, Cherry Alviani 1, 3, Elizabeth Angier 6, Katharina Blumchen 7, Pasquale Comberiati 8, 9, Bettina Duca 4, 10, Audrey DunnGalvin 11, 12, Teresa Garriga-Baraut 13, Claudia Gore 4, 10, M Hazel Gowland 14, Valérie Hox 15, Britt Jensen 16, Charlotte G Mortz 16, Oliver Pfaar 17, Helena Pite 18, Alexandra F Santos 19, 20, 21, Silvia Sanchez-Garcia 22, Frans Timmermans 23
Diagnosis and management of Non-IgE gastrointestinal allergies in breastfed infants—An EAACI Position Paper

Rosan Meyer | Adriana Chebar Lozinsky | David M. Fleischer
Mario C. Vieira | George Du Toit | Yvan Vandenplas | Christophe Dupont
Rebecca Knibb | Piñar Uysal | Ozlem Cavkaytar | Anna Nowak-Wegrzyn
Neil Shah | Carina Venter
COVID – 19

Scientific contribution from the Pediatric Section Board inside EAACI activities
REVIEW

Managing childhood allergies and immunodeficiencies during respiratory virus epidemics – The 2020 COVID-19 pandemic: A statement from the EAACI-section on pediatrics

Helen A. Brough1 | Omer Kalayci2 | Anna Sediva3 | Eva Untersmayr4 |
Daniel Munblit5,6 | Pablo Rodriguez del Rio7 | Marta Vazquez-Ortiz6 | Stefania Arasi8 |
Montserrat Alvaro-Lozano9 | Sophia Tsabouri10 | Elena Galli11 | Burcin Beken12 |
Philippe A. Eigenmann13

COVID-19 Pandemic: Practical Considerations on the Organization of an Allergy Clinic – An EAACI/ARIA Position Paper

In-vivo Diagnostic Test Allergens in Europe: A Call to Action and Proposal for Recovery Plan – An EAACI Position Paper

Initiative led by Wojech Feleszko
Food Allergy Chair: Stefania Arasi
Co-Chair: Alberto Alvarez-Perea
EAACI Explains Vaccination

https://patients.eaaci.org/

Initiative led by the Immunology Section

Chairs: Eva Untermeyer and Milena Solokowska

Contributors from the Pediatric Section Board:
Helen Brough, Montserrat Alvaro-Lozano and Stefania Arasi
REVIEWER
AWARD 2020

WE ARE THANKFUL FOR THE OUTSTANDING CONTRIBUTION OF

Stefania Arasi

who served our journal and our authors by providing timely, thoroughly conducted reviews of high expertise

Philippe Eigenmann
Editor-in-Chief
**Clement von Pirquet Foundation Fellowship**

**Food allergy and gastrointestinal disease**

**Association of Staphylococcus aureus colonization with food allergy occurs independently of eczema severity**

Olympia Tsilochristou, MD, a, c, *George da Toit, MB, BCh, FRCPCH, a, b, c, Peter H. Sayre, MD, PhD, d, Graham Roberts, FRCPCH, DM, a, b, *Katie Lawson, MS, a, Michelle L. Sever, MSPH, PhD, a, Henry T. Bahnson, MPH, a, Suzana Radolevic, MD, a, b, c, Monica Basting, MA, a, b, c, Marshall Pfautz, MD, d, and Gideon Lack, MB, BCh, FRCPCH, a, b, c, for the Immune Tolerance Network Learning Early About Peanut Allergy Study Team

*London, Southampton, and Isle of Wight, United Kingdom; San Francisco, Calif; Chapel Hill, NC; and Bethesda, Md*

**GRAPHICAL ABSTRACT**

- S. aureus and Food Allergy in early childhood
- Enhanced IgE Production
- Inhibition of Oral Tolerance to Peanut
- Increased Eczema Severity
- Delay in Resolution of Egg Allergy

*Association is independent of eczema severity*

**J Allergy Clin Immunol 2019; 144:494-503**

**EAACI Annual Congress 2019**

*S. aureus* an important risk factor contributing to food allergy in children with atopic dermatitis

S. aureus could be an important risk factor contributing to food allergy in children with atopic dermatitis, according to the newly released study results that Professor George da Toit presented on 2 June at the EAACI Annual Congress in Lisbon, during the Presidential Symposium on Immunomodulation in Food Allergy (Practall 2018). These results were published two days earlier in the Journal of Allergy and Clinical Immunology and were presented for the first time during the Congress Session.

“We set out to know the exact mechanisms that lead from atopic dermatitis to food allergy. However, our results suggest that Staphylococcus aureus could be an important factor contributing to this outcome”

said Dr Olympia Tsilochristou, King’s College London, the leading author of the paper. This study presents results from an exploratory secondary analysis of data from the groundbreaking Learning Early About Peanut Allergy (LEAP) study, which Professor Gideon Lack has been leading at King’s College London. The authors demonstrated that children with severe atopic dermatitis (AD) and/or egg allergy who had skin colonisation with *S. aureus* had higher sIgE levels against peanut and egg white as opposed to those who were never colonised with *S. aureus*. Of note, these results were independent of AD severity.

Additionally, it was shown that children with skin and/or nasal *S. aureus* colonisation were more likely to have their egg allergy persist until the age of 5

*The role of S. aureus should be considered in future studies aimed at inducing and maintaining tolerance to food allergens in infants with AD*“

said Professor du Toit, co-author of the paper and leading author of previous LEAP publications, while Professor Lack concluded by highlighting that

*Further prospective longitudinal studies measuring S. aureus with more advanced techniques and interventional studies eradicating S. aureus in early infancy will help elucidate its role in the development of AD or food allergy*

Those study results are important as the analysis was made by correcting for AD severity. Previous findings in the literature that *S. aureus* colonisation in AD is associated with food sensitisation and allergy may have been confounded by AD severity. *S. aureus* has been implicated in the development and severity of atopic diseases namely AD, allergic rhinitis and asthma, and the findings presented today extend these observations to the development of food allergy, independent of AD severity.

EAACI would like to take the opportunity to highlight the dynamics of the new generation of allergists within its membership. Olympia Tsilochristou, based at King’s College London, has been an active Junior Member of the Academy and was once awarded an EAACI Clinical Fellowship.
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Food immunotherapy practice in Europe (FIND project)

Objectives

- Mapping the number and characteristics of centers performing foodAIT across Europe

Current situation

- Data collection and analysis phase finished. Manuscript on preparation

Potential finishing date

- End 2020

Deliverables

- Manuscript in an EAACI journal
TF on Adolescents and Young Adults (AYA) with allergy and asthma

Objectives
To provide a framework on the particular features of AYA with allergic diseases, their challenges and specific needs, as well as on strategies proven effective to improve their self-care and wellbeing. This will allow produce specific recommendations to optimize healthcare and outcomes in this critical age group, as well as to identify unmet needs and further work required in the field.

Deliverables/Output
Published scientific papers:
• Roberts G, et al. EAACI guideline on the effective transition of adolescents and young adults with allergy and asthma. Allergy. 2020
• Vazquez-Ortiz M, et al. Understanding the challenges faced by adolescents and young adults with allergic conditions: a systematic review. Allergy. 2020. PMID: 32141620

Upcoming papers:
• Parents and AYA perspectives on practice recommendations for transitional care in allergy
• ‘The teen toolkit’ EAACI position paper on how to implement effective transitional care in allergy in clinical practice

Dissemination/Training:
• Masterclass on Adolescents and Young Adults – 2021, Geneva
• Elearning module on Adolescents and Young Adults – late 2021

Estimated TF completion: 2021
Clinical outcomes of efficacy in food allergen immunotherapy trials

Objectives
.- Literature review on clinical efficacy outcomes used so far, assessment of the impact of using different definitions of efficacy and different statistical methods for analysis, gather information on the patient’s perspective on efficacy outcomes

Current situation
.- Partial completion of all work packages

Potential finishing date
.- For the literature results first Q 2021, for the evaluation on efficacy definitions end of 2021 and for the patient’s perception on the treatment 2022

Deliverables
.- Most probably 1 manuscript per objective
Targeting the skin barrier in atopic dermatitis

Objectives
.- To provide evidence on whether the daily use of topical moisturizers or emollients soon after birth and for the first months of life could reduce the occurrence of atopic dermatitis and/or its severity, thus representing a low cost, easy to apply, safe and effective approach for the primary prevention of such disease

Current situation
.- Currently reviewing published randomized clinical trials

Potential finishing date
.- December 2020

Deliverables
.- Manuscript publication
Chronic urticaria in children

Objectives
- determine present clinical practice and challenges that arise from diagnosing and treating children with CU
- form a collaborative network to review and optimise diagnosis and treatment of children with CU via working groups

Current situation
- A clinical survey of 35 questions has been disseminated to all the EAACI members of the pediatric section and was answered by 358 participants from 69 countries
- The first results have been analysed and presented to the digital EAACI 2020

Potential finishing date
- at the end of 2020

Deliverables
- A survey report summarizing current referral and management practices for chronic urticaria and angioedema in children across Europe
- To address questions on the use of omalizumab in the treatment of children with CU
- The establishment of a multi-centred international network for CU in children, with maximal inclusion of those who manage the condition in children, from EAACI’s member countries
Perceptions, Beliefs, Attitudes, and Decision making in parents of children with allergic diseases (PARANOID)

Objectives

- Assess worries and beliefs, anxiety, allergic diseases perception, medical trust/mistrust and compliance among the parents of allergic children residing in different European countries
- Study factors impacting above mentioned outcomes with a particular focus on internet social networks

Current situation

Survey questionnaire development

Potential finishing date

June 2021

Deliverables

Position paper on pan-European perceptions, beliefs and attitudes in parents of allergic children
Public Outreach: scoping the needs and developing video resources for the public

Objectives

- To improve awareness of what patients and the public want to know
- To obtain qualitative and quantitative assessment of the value of interactive models during the clinical village
- The development of educational material for the online media library and patient portal

Current situation

Interactive models development

Potential finishing date

December 2021

Deliverables

Educational videos for future use in EAACI public outreach programmes, EAACI meetings, the EAACI online media library and patient portal
## Collaboration with other Sections/IG/WG

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| Creating a video about immunotherapy for the public using the EAACI Clinical Village | Montserrat Alvaro Lozano  
Mohamed Shamji                                           | Immunotherapy IG                                         |
| Guidelines for Food Allergy and Anaphylaxis                                      | Antonella Muraro, Graham Roberts  
Susanne Halken, Antonella Muraro, Graham Roberts  
Antonella Muraro, Margitta Worm and Graham Roberts | Food Allergy and Anaphylaxis Guidelines Group           |
| • Prevention of Food Allergy 2020 Guideline                                       |                                                       |                                                          |
| • Anaphylaxis Guideline                                                          |                                                       |                                                          |
| Eustachian tube dysfunction: the role of immunity and allergy                    | Ludger Klimek  
Helen Brough                                            | ENT Section                                              |
| Immunological outcome measures for AIT in children and adults                   | Mohamed Shamji  
Montserrat Alvaro Lozano                                  | Immunotherapy IG                                         |
| Public outreach: lay summaries for EAACI position papers                         | Rodrigo Jimenez-Said  
Henry McSorley                                             | Immunology                                               |
| Food allergy in children with atopic dermatitis: an algorithm for diagnosis and risk evaluation | Charlotte Mortz  
Barbara Ballmer-Weber                                       | Dermatology                                              |
| Expert review on Allergen immunotherapy and Prevention of allergy in children.   | Umit Sahinier                                           | Immunotherapy IG                                         |
Engagement with patients

Mental Health Needs and Access to Care among Patients with Food Allergy

Collaborative project with EAACI Patient Organisation Committee

• Assess food allergy patients’ psychosocial needs and access to mental health care in Europe, Australia, Canada.

• Compare findings from these countries to the findings from the United States.

• To improve food allergy patient outcomes by ensuring that patients’ psychosocial needs are met.

• Successful grant application to Novartis

• Questionnaires designed and undergoing translations
Patient advocacy work (1)

• 1. Advocating against discrimination of people with food allergy, with a special focus on vulnerable groups (e.g. children)

• 2. Identifying the unmet needs and raising awareness on the quality of life of people with food allergies and on the burden of the disease among policy makers

• 3. Improving the management of food allergens by food business operators and restaurants
The ‘Food DETECTives’ report was presented to Members of the European Parliament in Brussels in Dec 2019


- Outlines legislative gaps in food labelling for food allergic patients and recommendations for policymakers, public health authorities and the food industry.
Thank you for your active collaboration and continuous support.