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EAACI GUIDELINES ON ALLERGEN IMMUNOTHERAPY

IgE-MEDIATED FOOD ALLERGY

🌀 Supplementary materials 🌀

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Box 1 Recommendations for individuals with food allergy: barriers and facilitators to implementation, audit criteria and resource implications of recommendations

AIT for patients with IgE-mediated food allergy	<ul style="list-style-type: none"> In children with persistent IgE mediated food allergy and evidence of sensitization for cow's milk and/or hen's egg and/or peanut, oral immunotherapy (OIT) can be recommended for achieving desensitization and with the final goal of post- discontinuation effectiveness.
Barriers to implementation	<ul style="list-style-type: none"> Lack of knowledge amongst patients, caregivers and professionals about the benefits of food allergy immunotherapy (FA-AIT). Lack of access to FA- AIT. Unavailability of standardized products. Concerns about side effects, including anaphylaxis. Time consuming procedure with major investment in time for patients and their families. Outstanding scientific questions about the best approach for FA-AIT.
Facilitators to implementation	<ul style="list-style-type: none"> Implementation of FA- AIT programs is specific clinical centers. Training and education with agreed pathways of care that include accessible advice from specialties for uncertain cases. Information amongst patients, caregivers and professionals about the benefits of FA- AIT and how to select patient for this approach. Government policy focused on allergies with research strategies to advance this area. Further research studies refine the approach to improve long-term efficacy, reduce adverse effects and assess impact on quality of life and health economics.
Audit criteria	<ul style="list-style-type: none"> Audit criteria Proportion of potentially eligible patients referred from primary care for a specialist assessment. Proportion of potentially eligible patients formally considered for FA-AIT. Adverse effects associated with FA-AIT and withdrawal from treatments.
Resource implications	<ul style="list-style-type: none"> Thorough investigation of the patient including a complete assessment of relevant food allergies. Availability of FA-AIT and administration to appropriate patients. Ongoing training of staff and provision of appropriate facilities.

Box 2 Key messages for primary care about referral to food allergy services

<p>FA- AIT CAN BE CONSIDERED FOR PATIENTS WITH IGE-MEDIATED FOOD ALLERGY:</p> <ul style="list-style-type: none"> Evidence for effectiveness best for children with cow's milk (CM), hen's egg (HE), peanut allergy. Children with allergy to CM or HE should only be referred if they have not developed spontaneous tolerance by 4 to 5 years of age. Patients should be referred to a specialized clinical center for FA-AIT where immunotherapy is administered by competent personnel in a clinical setting adequately equipped for the management of anaphylaxis. Patients and families should be aware that FA- AIT is time consuming and not devoid of side effects. Advise patients that they are not to initiate FA-AIT themselves without specialist input
<p>FA- AIT IS NOT RECOMMENDED:</p> <ul style="list-style-type: none"> For infants/children/adults in whom the diagnosis of food allergy is unclear or uncertain. Patients with non-IgE mediated food allergy Patients with active Eosinophilic Esophagitis Patients with uncontrolled or severe asthma

Table S1 Details of authors

Name	Discipline, expertise	Institution	Geographical location	Description of role in guideline
Ronald van Ree	Professor of Molecular and Translational Allergology	Departments of Experimental Immunology and of Otorhinolaryngology, Academic Medical Center, University of Amsterdam	Amsterdam, The Netherlands	Reviewed and revised draft guideline as part of Chairs group.
Graham Roberts	Professor of Paediatric Allergy and Respiratory Medicine	The David Hide Asthma and Allergy Research Centre, St Mary's Hospital; NIHR Biomedical Research Centre, University Hospital Southampton NHS Foundation Trust; Faculty of Medicine, University of Southampton	Newport Isle of Wight, Southampton, UK	Involved in the planning of the guideline document; critically reviewed draft guideline; coordinator of the guidelines project
Susanne Lau	Professor of Pediatrics. Section Head for Pediatric Pneumology and Allergy.	Department of Pediatric Pneumology and Immunology, Charité Universitätsmedizin	Berlin, Germany	Participation at guideline meetings and writing and editing of manuscripts
Aziz Sheikh	Professor of Primary Care Research & Development and Consultant Paediatric Allergist	Asthma UK Centre for Applied Research, Usher Institute of Population Health Sciences and Informatics, The University of Edinburgh Medical School	Edinburgh, UK	Lead methodologist and contributing to the writing and editing of the manuscript
Sangeeta Dhami	GP, Director of Evidence Based Health Care Ltd	Evidence-Based Health Care Ltd	Edinburgh, UK	Involved in carrying out the systematic review and cross-checking evidence in guidelines
Stefania Arasi	Pediatrician, pediatric allergologist, metodologist, MD, PhD	Department of Pediatrics, Allergy Unit, University of Messina, Italy and Department of Pediatric Pneumology and Immunology, Charité Universitätsmedizin Berlin	Messina, Italy; Berlin, Germany	Methodologist. Participation at guideline meetings and writing and editing of manuscripts
Giovanni B. Pajno	Professor of Pediatrics - Consultant of Pediatric Allergology	Department of Pediatrics, Allergy Unit, University of Messina	Messina, Italy	Member of Chairs Group. Chair of EAACI AIT Guidelines Food Allergy- Task Force
Edward F. Knol	Associate Professor Immunology and Dermatology/Allergology	Department of Immunology and Department of Dermatology & Allergology, University Medical Center	Utrecht, The Netherlands	Participation at guideline meetings, reviewed articles for the systemic review, critically reviewed manuscript
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Montserrat Alvaro Lozano	Pediatrician, pediatric allergologist, MD, PhD	Paediatric Allergy and Clinical Immunology Section, Hospital Sant Joan de Deu, Universitat de Barcelona	Barcelona, Spain	Participation at guideline meetings, reviewed articles for the systemic review, critically reviewed manuscript
Ulugbek Nurmatov	Clinical Research Fellow, methodologist, MSc in Allergy, MD, PhD	Division of Population Medicine Neuadd Meirionnydd, School of Medicine, Cardiff University	Cardiff, UK	Methodologist. Participation at guideline meetings, cross-checking evidence in guidelines, writing and editing of manuscripts

Table S1 Continued

Name	Discipline, expertise	Institution	Geographical location	Description of role in guideline
Eva-Maria Varga	Associate Professor of Paediatrics-Consultant Paediatric Pulmonologist and Allergist	Department of Pediatric and Adolescent Medicine, Respiratory and Allergic Disease Division, Medical University of Graz	Graz, Austria	Critically reviewed draft guideline.
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George du Toit	Professor of Paediatric Allergy	Division of Asthma, Allergy and Lung Biology, Department of Paediatric Allergy, MRC & Asthma Centre in Allergic Mechanisms of Asthma, King's College London; St Thomas NHS Foundation trust	London, UK	Participation at guideline meetings and writing and editing of manuscripts
Motohiro Ebisawa	Vice director, Clinical Research Center for Allergy and Rheumatology	Department of Allergy, Clinical Research Center for Allergy & Rheumatology, Sagamihara National Hospital,	Sagamihara, Japan	Participation at guideline meetings, reviewed articles for the systemic review, critically reviewed manuscript
Elizabeth Angier	Portfoili Gp ,Clinical Assistant In Allergy and Immunology	Department of Clinical Immunology and Allergy, Northern General Hospital	Sheffield, UK	Member of guideline group participation at guideline meeting and writing and editing manuscript from primary care perspective
Ioana Agache	Professor of Allergy and Clinical Immunology	Transylvania University Brasov, Faculty of Medicine, Department of Allergy and Clinical Immunology	Brasov, Romania	Participation at guideline meetings and writing and editing of manuscripts
Kari Nadeau	Professor of Medicine, Allergy and Immunology	Department of Pediatrics, Division of Immunology, Allergy and Rheumatology	Stanford, USA	Conceived idea With Giovanni and wrote and reviewed the paper
Susanne Halken	Professor, Consultant in Paediatrics and Paediatric Allergology	Hans Christian Andersen Children's Hospital, Odense University Hospital	Odense, Denmark	Member of Chairs group. Critically reviewed draft guideline
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Nikolaos G. Papadopoulos	Professor of Allergy & Paediatric Allergy	Institute of Human Development, University of Manchester, Manchester, UK; Allergy Department, 2nd Pediatric Clinic, University of Athens, Athens, Greece	Manchester, UK; Athens, Greece	Reviewing and manuscript approval

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