

Clinical efficacy of sublingual immunotherapy in respiratory in respiratory allergic patients.

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Introduction:

There has been an increase of allergic diseases worldwide, WHO estimates 30% of the general population in industrialized countries is affected by one or more allergic disease. Immunotherapy is a treatment modality that can modify the immunological response of allergic patients. Immunotherapy is indicated for the treatment of allergic rhinitis (AR) and allergic asthma (AA) and it may prevent the development of asthma in patients with AR.

There is a voluminous body of studies supporting the efficacy of Sublingual immunotherapy (SLIT) in the management of AR and AA. The aim of the study is to document the clinical efficacy of SLIT in patients with AR and AA in the Kingdom of Saudi Arabia (KSA).

Objectives:

To evaluate the efficacy of SLIT in allergic rhinitis patients with and / without Bronchial asthma.

Methods:

The study constitutes a retrospective progressive short review of allergy patients treated with SLIT.

Patients enrolled in the study are those with physician diagnosed AR with or without asthma, whose symptoms are not controlled with pharmacotherapy according to BSACI guidelines for the management of allergic and non-allergic rhinitis (G.K. scadding et al. Journal of Clinical and Experimental Allergy 2008). Patients included in the study were treated with SLIT for at least one year and completed a minimum of four clinic visit for clinical evaluation, which implies medication use, Peak Flow meter reading (PFM) and Symptoms scoring. The first evaluation (pretreatment) is the point in time when patient was started on SLIT and the last visit at the end at 12th month was considered (post treatment) evaluation.

The clinical symptom in the pretreatment phase and the amount of pharmacotherapy the patient was taking at that time show the patient clinical status without immunotherapy.

All patients underwent skin pricktest (SPT) Alyostal[®] (Stallergens) which includes several panels: dust mites, animal, insects , molds and pollens. The selection of

أظهرت

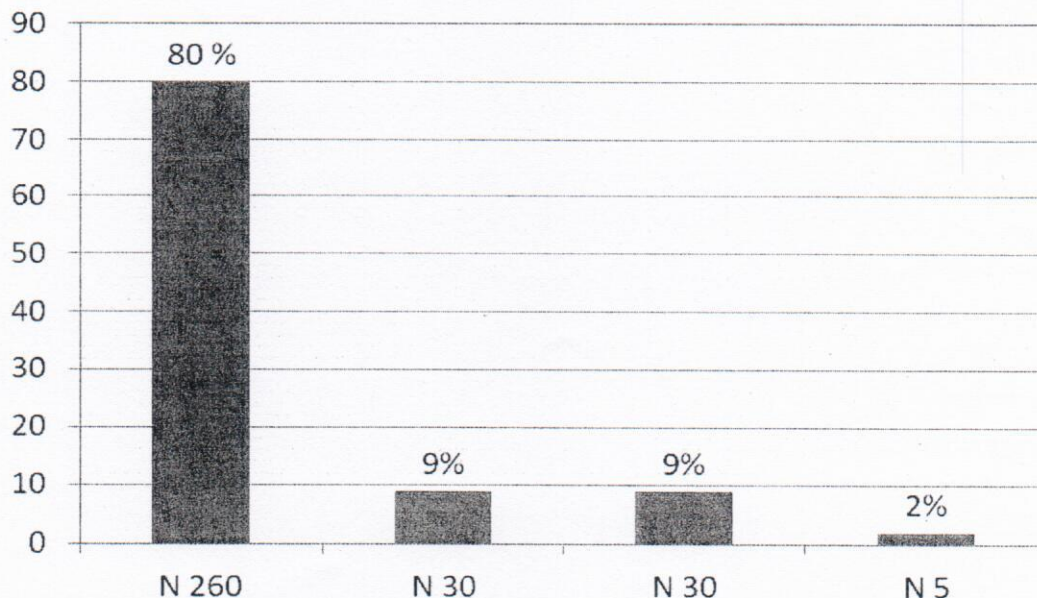
allergens was based on clinical history and skin prick test. Patients had no other clinically significant allergens sensitization. The immunotherapy was administered by sublingual route initial course consisted of 10 and 100 IR, 8 pushes every other day Staloral^R (stallergens). Each patient completed one initial and two maintenance courses, preseasonal course was given in September and March for 6 weeks. All patients completed at least one initial and two maintenance course and two preseasonal course.

Results:

Three hundred twenty five (325) patients completed 2 years of follow – up, 40 % female, 60 % male ranging in age 5 – 19 years. Two hundred Sixty (260) patients (80%) were able to completely stop taking topical intranasal steroid spray (ITS), antihistamine (AH) and Leukotriene (LK) receptor antagonist. Their asthma exacerbation frequency and severity became less. Thirty (30) patients (9%) had no significant improvement however continue to take ITS and AH in spring and late summer. Thirty (30) patients (9%) continue to take AH, ITS and LK but to lesser extent in frequency, they opted to continue the course through because symptoms severity and frequency became less and quality of life improves at night and day time. Five (5) patients (approximately 2%) did not show significant improvement as regard to respiratory system. However they have less frequent ER visit due to their asthma.

Conclusion:

SLIT provides a significant improvement of symptoms and a significant reduction of anti-allergic and asthma medication with minimal side effect and good compliance.



Patient's response rate to SLIT

Invitation for papers

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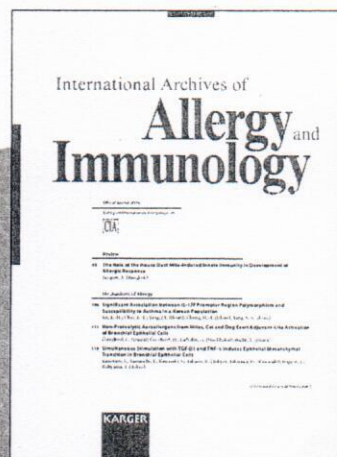
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PROGRAM AT A GLANCE

SATURDAY, MARCH 29, 2014

	ROOM A	ROOM B	ROOM C	ROOM D
08.00	<p>RT: <u>"Asma en la vejez"</u> Chairs: Alejandra Macías Weinmann, Miguel Medina Speakers: <i>Anahí Yáñez, Rogelio Pérez Padilla, Ivan Chérrez, Maximiliano Gómez</i></p>	<p>RT: <u>"Highlights" en el tratamiento de asma</u> Chairs: Victoria Cardona Dahl, Miguel Salazar Speakers: <i>Nora H. Segura-Méndez, Emilio Pizzichini, Mario E. Zernotti, Alfredo Arias Cruz</i></p>	<p>RT: <u>"Tratamiento de asma en adultos en 2014"</u> Chairs: Francisco Espinoza Vizcaíno, Susana Barayazarra Speakers: <i>Juan C. Ivancevich, Fernando Holguín, Gustavo Rodrigo, Moisés Dante Escobedo Sánchez</i></p>	SPONSOR'S MEETINGS
09.30	<p>RT: <u>"Asma en el pre-escolar"</u> Chairs: Fernando Iduñate Palacios, Herberto José Chong Neto Speakers: <i>Dirceu Solé, Manuel Soto-Quirós, Juan J. Sienna Monge, Carlos Báez Loyola, Mario Soto</i></p>	<p>RT: <u>"Diagnóstico y co-morbilidades"</u> Chairs: Alfonso Cepeda, Héctor Stone Aguilar Speakers: <i>Héctor A. Badellino, Alvaro Teijeiro, Blanca del Río Navarro, Ignacio Ansotegui, Laura Gochicoa</i></p>	<p>RT: <u>"Tratamiento del asma en 2014"</u> Chairs: Víctor H. Croce, José S. Lozano Saenz Speakers: <i>Francisco Cuevas Schacht, Javier Gómez Vera, Noel Rodríguez Pérez, Víctor H. Croce, Nelson A. Rosario</i></p>	<p>Symposium <u>Asthma in Italy 2014</u> Chairs: Carlo Mereu, Andrea Rossi Speakers: <i>Massimo Triggiani, Carlo Lombardi, Stefano Centanni,</i></p>
11.30	COFFEE BREAK			
11.45	<p>Alain de Weck Conference Chairs: Carlos E. Baena-Cagnani, Carlos Báez Loyola Speaker: <i>Stephen Holgate</i> <u>"A stratified approach to the treatment of asthma and allergy"</u></p>		Keynote Lecture	
12.30	LUNCH BREAK			
13.30	<p>Symposium: <u>"Bronchial thermoplasty: A novel therapy for severe asthma"</u> Chair: Mario Castro Speakers: <i>Myron Zitt, Sebastián Fernandez-Bussy, Mario Castro, Juan Carlos Chagoya Bello</i> (non CME) organized by Boston Scientific</p>			<p>RT: <u>Educación en asma para pacientes y familiares</u> Chairs: Marilyn Urrutia Pereira, Fanny Salmún Speakers: <i>Alvaro Pedroza, Nelly Ramirez Chanona, Marilyn Valentin Rostan, Natalio Salmún, Sandra N. González Díaz</i></p>
15.00	<p>RT: <u>"Hot topics in asthma I"</u> Chairs: G. Walter Canonica, Sandra N. González Díaz Speakers: <i>Mario Zernotti, Pierluigi Mauri, Leonard Bacharier</i></p>		<p>SEAS Symposium <u>"Asthma treatment benefits"</u> Chairs: Luigi Fontana, Mário Morais de Almeida Speakers: <i>Ignacio Ansotegui, Carlos Nunes, Rodrigo Rodrigues Alves</i></p>	<p>Nominal Lecture Chair: Carlo Lombardi Speaker: <i>Fulvio Braido</i></p>
16.30	COFFEE BREAK			
16.45	<p>RT: <u>"Asthma phenotypes I"</u> Chairs: Ivan Chérrez, Juan C. Ivancevich Speakers: <i>G. Walter Canonica, Nicola A. Hanania, Edgardo Jares, Fernando Holguín</i></p>	<p>RT: <u>"Asthma and environment"</u> Chairs: Juan J. Sienna Monge, Sergio Bonini Speakers: <i>Leonard Bielory, Ruby Pawankar, Sharon Dell, Jonathan A. Bernstein</i></p>	<p>RT: <u>"Asthma development and environment"</u> Chairs: Maximiliano Gómez, Blanca del Río Navarro Speakers: <i>Luis R. Caraballo, Héctor A. Badellino, Philip J. Cooper, Michael B. Foggs</i></p>	<p>Oral Session <u>"Impact of asthma comorbidities"</u> Chairs: Ralph Mösges, Fernando Iduñate Palacios, Elopy Sibanda</p>
18.15				
19.00	OPENING CEREMONY			



ROOM D

16.45-18.15

Oral Session

"Impact of asthma comorbidities"

Chairs: Ralph Mösges, Fernando Iduñate Palacios, Elopy Sibanda

- OP01 **Asthma prevalence in adults with oral allergy syndrome in a third level hospital in south Federal District**
Karen Rodríguez¹, Arturo Gaspar¹, Eunice López¹, Freya Campos², Leonel Del-Rivero², Nora Segura²
¹Allergy and Clinical Immunology Resident.
²Allergy and Clinical Immunology. Hospital de Especialidades Centro Médico Nacional Siglo XXI
- OP02 **Association between IgE and RAST in patients presenting with a history of recurrent wheezing in months of transition between winter and spring in a practice of allergy**
Viviana Sotomayor, Ricardo Meza
Hospital de Clinicas, Asuncion, Paraguay
- OP03 **Symptoms associated with recurrent wheezing in patients attending a pediatric allergy clinic**
Viviana Sotomayor, Ricardo Meza
Hospital de Clinicas, Asuncion, Paraguay
- OP04 **Prevalence and Major Risk Factors Associated with Recurrent Wheezing in Infants in a Poor Urban City in South Brazil.**
Marilyn U. Pereira¹, Juan C Ivancevich², Dirceu Solé³, Javier Mallol⁴
¹Pipa Program Uruguaiiana Rs Br
²University Del Salvador Buenos Aires, Argentina
³Federal University Of São Paulo, São Paulo, Brazil ⁴University Of Santiago De Chile (USACH), Chile
- OP05 **Human figure drawing test as a tool in evaluation of stress in asthmatic children**
Sandra González-Díaz, Alejandra Macías-Weinmann, Adrián Yong-Rodríguez,
Julio Gutierrez-Mujica, Samuel Palma-Gomez, Rafael Perez-Vanzzini
Centro Regional de Alergia e Inmunología Clínica, Monterrey, México
- OP06 **The asthmatic patient sensitized to fungi: Harder to treat asthma?**
Sandra González-Díaz, Alejandra Macías-Weinmann, Julio Gutierrez-Mujica,
Samuel Palma-Gomez, Rafael Perez-Vanzzini, Adrián Yong-Rodríguez
Centro Regional de Alergia e Inmunología Clínica, Monterrey, México
- OP07 **Pediatric program on asthma prevention (PIPA): preliminar results in poor younger children living in Uruguaiiana, South of Brazil**
Marilyn U. Pereira Md, Phd¹, Jennifer B.G. Avila², Dirceu Solé Md, Phd³
¹PIPA's Project Coordinator, Uruguaiiana, RS, Brazil
²RN in-charge of PIPA's Project, Uruguaiiana, RS, Brazil
³Full Professor and Head of Division of Allergy, Clinical Immunology and Rheumatology, Dept of Pediatrics, Federal University of São Paulo, São Paulo, Brazil
- OP08 **Clinical efficacy of sublingual immunotherapy in respiratory in respiratory allergic patients**
Abdulrahman Alfrayh
College of Medicine, Department of Pediatrics, King Saud University, Riyadh Saudi Arabia
- OP09 **Efficacy of sublingual immunotherapy in patients with mild persistent bronchial asthma and allergic rhinitis**
Manimaran Marappan
Consultant, Department of Pulmonary Medicine, Head Allergy and Asthma Division, India