WISC 2019
4-6 April, 2019 | Phoenicia Hotel - Beirut, Lebanon

Novel Approaches to the Worldwide Allergy Epidemic

WISC 2019 ‘Novel Approaches to the Worldwide Allergy Epidemic’ Beirut, Lebanon, has been granted 18 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®)

Program

Hosting ORL HORIZONS 2019 Congress
(an American Rhinologic Society/Pan Arab Rhinology Society/
American University of Beirut Medical Center Joint Symposium)
Welcome Letter

Dear Colleagues,

On behalf of the World Allergy Organization (WAO) Board of Directors, it is my great pleasure to invite you to participate in the WAO International Scientific Conference (WISC), taking place 4-6 April 2019 in Beirut, Lebanon.

To advance its mission as a global resource and advocate in the field of allergy, advancing excellence in clinical care through education, research and training, the World Allergy Organization (WAO) launched the WAO International Scientific Conference (WISC) in 2010. Each WISC is a theme-based scientific conference, which attracts a global audience.

The scientific program will consist of lectures from the top international experts. Our aim is to summarize what is scientifically known, learn about the cutting-edge research and to reach a consensus about the unmet needs.

Key Reasons to Participate

• Discover the late-breaking and cutting edge science which will be presented during the scientific sessions
• Participate in scientific discussions
• Attend state-of-the-art lectures by world experts in the field
• Gain invaluable visibility for your own research by submitting an abstract
• Network with other colleagues in the field

I look forwarding to seeing you in Beirut, Lebanon!

Sincerely,

Ignacio J. Ansotegui, MD, PhD
President, WAO
Welcome Letter

Dear Guests & Colleagues,

Welcome to Lebanon !!

The Lebanese Society of Allergy & Immunology is proud to partner with the World Allergy Organization to host the WAO International Scientific Conference, **WISC 2019, on April 4-6, 2019 in Beirut, Lebanon** and is delighted to invite you to attend this prestigious medical congress whose theme and focus is **“Novel Approaches to the Worldwide Allergy Epidemic”**.

As Allergic Disease continues to expand globally with increasing complexity, our knowledge of its underlying immunopathology has never been better, which is prompting novel approaches and therapeutic strategies for millions of sufferers across the world. The main objective of this congress is to educate medical professionals about the global nature and vast array of Allergic Diseases, Asthma & related Immunologic Disorders, focusing on fundamental principles of recognition and management as well as advanced treatment modalities for severe and complex conditions. Attendees will appreciate a scientific program that is rich in substance and variety that appeals to all physicians, regardless of their subspecialty, who encounter and manage Allergy patients.

WISC 2019 in Lebanon will feature a sizeable number of distinguished international “Who’s Who” experts in Allergy/Immunology as well as regional Key Opinion leaders in the field. Delegates from the entire Middle East region as well as parts of Europe, North Africa, Asia and the Americas are expected to attend this prime event to witness and engage in 3 days of state-of-the-art educational activities in Allergy/Immunology.

Furthermore WISC 2019 is also hosting the Otorhinolaryngology/ORL Horizons 2019, the First Beirut Annual International Rhinology Symposium taking place in parallel and proximity. Interested delegates can access both meetings with special co-registration.

Last but not least, we invite you to take this opportunity to visit and experience the charm of Lebanon, where history, culture, natural beauty and exceptional hospitality uniquely blend to provide friends and guests with a most enjoyable and memorable experience.

Looking forward

**Fares Zaitoun, MD, FACAAI**
President, LSAI
## Meeting Presidents
- Ignacio J. Ansotegui
- Fares Zaitoun

## Steering and Scientific Committee
- Ignacio J. Ansotegui **Europe (Chair)**
- Fares Zaitoun **Lebanon (Chair)**
- Motohiro Ebisawa **Asia-Pacific**
- Carla Irani **Lebanon**
- Luis Caraballo **Latin America**
- Phillip Rouadi **Lebanon**
- Francesca Levi-Schaffer **Africa / CIS / Middle East**
- Elias Khairallah **Lebanon**
- Mario Sánchez Borges **Latin America**
- Lanny J. Rosenwasser **North America**
- Luciana Kase Tanno **France**
- Marilyn Karam **Lebanon**

## Organizing Committee
- Carla Irani **Lebanon**
- Elias Khairallah **Lebanon**
- Fares Zaitoun **Lebanon**
- Ignacio J. Ansotegui **Spain**
- Motohiro Ebisawa **Japan**
- Phillip Rouadi **Lebanon**

## Regional Advisory Committee
- Suleiman Al Gazlan **Saudi Arabia**
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- Habib Ghedira **Tunisia**
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- Hassan Mobaydeh **Qatar**
- Khadija Moussayer **Morocco**
- Lubna Hwejeh **Syria**
- Mariam Al-Nesf **Qatar**
- Maryam Ayazi **Iran**
- Mohamed Abuzakouk **UAE**
- Kamal Hanna **Egypt**
- Ahmed Elbousify **Libya**
- Mohamed Abu Elkheir **UAE**
- Mohamed Aichane **Morocco**
- Mona Al-Ahmad **Kuwait**
- Mohammad Gharagozlou **Iran**
- Mohsen Shahin **Syria**
- Rachid AbdelAziz **Algeria**
- Ramsay Fuleihan **Qatar**
- Suleiman Al-Hammadi **UAE**
- Salem Al-Tamemi **Oman**
- Waleed Al-Herz **Kuwait**
- Yehia El Gamal **Egypt**
- Zeinab Awad El-Sayed **Egypt**
Local Advisory Committee

Rafic Shammaa
Adnan Hejjawi
George Dib
Alain Sabri
Bassem Abu Merhi
Carole Youakim
Fatima Mohty
Riad Khalifeh
Samer Fakhry
Nathalie El Kara
Olga Nahas
Panayout Karkass
Pierre Hage
Samir Haidar
Usama Hadi
Walid Alaa-Eldin
Zeina Aoun
Zeina Baz
Ziad Rohayem

International Advisory Committee

Alessandro Fiocchi  Italy
Anahi Yáñez  Argentina
Anne-Marie Irani  USA
Bryan L. Martin  USA
Dana Wallace  USA
Fuad Baroody  USA
G. Walter Canonica  Italy
Gary Wong  Hong Kong
Giovanni Passalacqua  Italy
Jose Antonio Ortega-Martell  Mexico
Luo Zhang  China
Mário Morais-Almeida  Portugal
Martin Chapman  UK
Michael Levin  South Africa
Mimi Tang  Australia
Mübeccel Akdiş  Turkey, Switzerland
Pascale Demoly  France
Sami Bahna  USA
Stanley Fineman  USA
Talal Nsouli  USA
Zeinab Awad El-Sayed  Egypt
Speakers

Alessandro Fiocchi  
Amel Hassan  
Anahi Yáñez  
Jean Bousquet  
Angela Haczku  
Anne-Marie Irani  
Brent Senior  
Bryan Martin  
Bulent Sekerel  
Carla Irani  
Carlos Nunes  
Cezmi Akdiş  
Chucri Hamasni  
Dana Wallace  
Dilsad Mungan  
Elham Hossny  
Fares Zaitoun  
Fuat Baroody  
G Walter Canonica  
Gennaro D’Amato  
Georges Juvelekian  
Giovanni Passalacqua  
Syed Mohammed Hasnain  
Hiba Alreedy  
Ignacio J Ansotegui  
Jose Antonio Ortega-Martell  
Komei Ito  
Lanny Rosenwasser  
Lawrence Schwartz  
Luciana Kase Tanno  
Luis Caraballo  
Mariam Al-Nesf  
Mário Morais-Almeida  
Mario Sanchez Borges  
Michael Levin  
Michel J. Massaad  
Mohamed Abuzakouk  
Mona Al-Ahmad  
Motohiro Ebisawa  
Mubececel Akdiş  
Nelson Rosario  
Nobuyuki Maruyama  
Pascal Demoly  
Philip Rouadi  
Raffi Tachdjian  
Rami Wali  
Ramsay Fuleihan  
Ravi Gutta  
Saad Al Saleh  
Saleh Almuhsen  
Salem Al Tamemi  
Sami Bahna  
Samer Fakhri  
Sandra Gonzales Diaz  
Suleiman Al Gazlan  
Waleed Al-Herz  
Yasmin Othman  
Yehia El-Gamal  
Ghada Abdel Haleem Shousha  
Ehsan Kourani  
Ivana Djuric-Filipovic  
Leyla Barakat  
Marco Caminati  
Marilyn Karam  
Olga Nahas  
Pierre Hage  
Charlie Hanna  
Razvigor Darlenksi  
Salman Mroueh  
Ziad Rohayem  
Zeinab Awad El-Sayed  

Italy  
UK  
Argentina  
France  
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Turkey  
Lebanon  
Portugal  
Turkey, Switzerland  
Saudi Arabia  
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Egypt  
Lebanon  
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Turkey  
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Italy  
Lebanon  
Saudi Arabia  
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>6:45</td>
<td>Registration Open</td>
</tr>
<tr>
<td>7:45 - 8:30</td>
<td>Parallel Sessions</td>
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<tr>
<td><strong>Carthage Hall 1</strong></td>
<td><strong>Meet the expert 1:</strong> Eosinophilic Esophagitis in Children and Adults Nelson Rosario, Brazil</td>
</tr>
<tr>
<td><strong>Carthage Hall 2</strong></td>
<td><strong>Meet the expert 2:</strong> Cow’s Milk Allergy Alessandro Fiocchi, Italy</td>
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<tr>
<td><strong>Elyssar Hall</strong></td>
<td><strong>Meet the expert 3:</strong> Drug Allergy in your Practice Luciana KaseTanno, France</td>
</tr>
<tr>
<td>8:30-9:30</td>
<td>Parallel Sessions</td>
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<tr>
<td><strong>Tyre Hall</strong></td>
<td><strong>Symposium 1:</strong> Understanding the Allergy Epidemic and the Challenges Ahead Dana Wallace, Elias Khairallah</td>
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<td>Role of Climate Change in the Proliferation of Allergic Respiratory Diseases Gennaro D’Amato, Italy</td>
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<td>Worldwide Food Allergy: Why is it Escalating? Nelson Rosario, Brazil</td>
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<td>Alpha-Gal Meat Allergy: New and Different Challenges Michael Levin, South Africa</td>
</tr>
<tr>
<td><strong>Berytus Hall</strong></td>
<td><strong>Symposium 2:</strong> Th2 High Asthma: Which Biologic Test Suits your Patients Samir Khedr, Mubeccel Akdiş</td>
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<td>Anti-IgE: Lessons Learned over the Years Lanny Rosenwasser, USA</td>
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<td>Anti-IL5: What have we Learned thus Far G. Walter Canonica, Italy</td>
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<td>Anti-IL4-13: What Can we Expect Anahí Yáñez, Argentina</td>
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<tr>
<td><strong>Carthage Hall</strong></td>
<td><strong>Oral Abstract Session 1</strong> Zeinab Awad El-Sayed, Cezmi Akdiş</td>
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<td>Inflammatory group 2 Innate Lymphoid Cells (iILC2) in the Peripheral Blood Indicates Increased Disease Severity in Rhesus Macaques and Asthma Patients Angela Haczku, USA</td>
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<td>Correlation between Seasonal Airborne Pollen Incidence and Respiratory Allergy Symptoms in the State of Qatar Mariam Al-Nesf, Qatar</td>
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<td>Identification and Counting of Allergenic Pollen in North Lebanon: A Continuous Assessment Effort since 2008 Manal Nader, Lebanon</td>
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### Thursday, 4 April 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 9:45 - 10:45 | **Parallel Sessions** **Tyre Hall**  
**Symposium 3: The Shades of Grey in Chronic Rhinosinusitis**  
**Moderators:** Carlos Nunes, Usama Hadi  
**Should we Treat CRS with Antibiotics?: A Mechanistic Approach**  
Fuad Baroody, USA  
**The IL-5 Axis: Blending Novel Phenotypes and Endotypes in CRSwNP**  
Philip Rouadi, Lebanon  
**Biological Therapy in CRSwNP: Where we are and Where we’re Going**  
Sandra Gonzalez Diaz, Mexico |
|            |  
**Berytus Hall**  
**Symposium 4: Fungal Sensitizations in Upper and Lower Airway Disease**  
**Moderators:** Ahmed Elbousify, Bryan Martin  
**Interaction between Fungi and the Immune System**  
Cezmi Akdiş, Turkey, Switzerland  
**Allergic Fungal Sinusitis or simply Sensitization**  
Chucri Hamasni, Saudi Arabia  
**Fungal Associated Asthma or ABPA**  
Suleiman Al Gazlan, Saudi Arabia |
| 10:45 - 11:15 | **Coffee Break and Poster Viewing**                                    |
| 11:15 - 12:45 | **Plenary 1- Pan-Arab Society of Allergy, Asthma & Immunology (PASAAI)**  
**Sister Society Symposium: Regional Overview of Allergic Diseases & Global Comparisons**  
**Moderators:** Fares Zaitoun, Ignacio J Ansotegui  
**Allergic Rhinitis & Asthma**  
Elham Hossny, Egypt  
**Indoor & Outdoor Aeroallergens**  
Syed Mohammed Hasnain, Saudi Arabia  
**Food Allergy**  
Yasmin Othman, Kuwait  
**Anaphylaxis**  
Mariam Al-Nesf, Qatar |
| 13:00 - 14:00 | **Parallel Sessions** **Tyre Hall**  
**Company Supported Lunch Symposium 1** *  
**Carthage Hall**  
**Lunch Practical Course 1**  
**Oral Food Challenges: Office or Hospital Procedure**  
Sami Bahna, Pierre Hage |

*Appendix page*
<table>
<thead>
<tr>
<th>Time</th>
<th>Parallel Sessions</th>
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<tbody>
<tr>
<td>14:15 - 15:15</td>
<td><strong>Parallel Sessions</strong></td>
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<tr>
<td><strong>Tyre Hall</strong></td>
<td><strong>Symposium 5: Update on Drug Allergy</strong></td>
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<tr>
<td>Moderators</td>
<td>Josef Haddad, Luis Caraballo</td>
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<td>Severe Cutaneous Drug Reactions: What Happens Next</td>
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<td>Luciana Kase Tanno, France</td>
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<td>Aspirin Hypersensitivity: Beyond the Skin Mario Sánchez Borges, Venezuela</td>
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<td>Allergy to iodinated Radiocontrast Media: Myth or Reality? Pascal Demoly, France</td>
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<td><strong>Berytus Hall</strong></td>
<td><strong>Symposium 6: Turkish Society of Allergy &amp; Immunology Symposium - Myths, Facts and Controversies in Asthma</strong></td>
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<tr>
<td>Moderators</td>
<td>Anahí Yáñez, Salah Zeineldinne</td>
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<td>The Epithelial Barrier Hypothesis for the Development of Asthma and Other</td>
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<td>Chronic Inflammatory Diseases Cezmi Akdiş, Turkey, Switzerland</td>
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<td>Which Children Outgrow Asthma Bulent Sekerel, Turkey</td>
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<td>What Happens in Adulthood and Elderly? Dilsad Mungan, Turkey</td>
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<tr>
<td><strong>Carthage Hall</strong></td>
<td><strong>Practical Course 2: The Do’s and Don’ts of Anaphylaxis Recognition and Management</strong></td>
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<td>Zeinab Awad El-Sayed, Marilyn Karam, Ghada Abdel Haleem Shousha</td>
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<td>15:30 - 16:30</td>
<td><strong>Parallel Sessions</strong></td>
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<tr>
<td><strong>Tyre Hall</strong></td>
<td><strong>Symposium 7: Immunotherapy in Allergic Rhinitis- The 2020 vision</strong></td>
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<tr>
<td>Moderators</td>
<td>George Dib, Alessandro Fiocchi</td>
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<td>Mechanisms and Biomarkers Mubeccel Akdiş, Turkey, Switzerland</td>
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<td>Role of Polymerized Extracts in AIT Ignacio J Ansotegui, Spain</td>
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<td>Sublingual Allergen Immunotherapy Giovanni Passalacqua, Italy</td>
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<td><strong>Berytus Hall</strong></td>
<td><strong>Symposium 8: Advances and Pitfalls in Asthma Management</strong></td>
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<tr>
<td>Moderators</td>
<td>Mário Morais-Almeida, Lubna Hwejeh</td>
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<td>New Treatments In Asthma Carlos Nunes, Portugal</td>
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<td>Overuse of Systemic Corticosteroids in Asthma G. Walter Canonica, Italy</td>
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<td>Company Sponsored Lecture 1 *</td>
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<td><strong>Carthage Hall</strong></td>
<td><strong>Practical Course 3: Drug Allergy Testing and Provocation: When, How and Why</strong></td>
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<td>Luciana Kase Tanno, Leyla Bakarat, Ivana Djuric-Filipovic</td>
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<tr>
<td>16:30 - 17:00</td>
<td><strong>Coffee Break and Poster Viewing</strong></td>
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*Appendix page*
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<th>Time</th>
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<tr>
<td>17:00 - 18:00</td>
<td>Company Supported Evening Symposium 1 *</td>
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<tr>
<td>18:00 - 18:30</td>
<td>Opening Lecture</td>
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<tr>
<td>Moderators</td>
<td>Ignacio J. Ansotegui, Fares Zaitoun</td>
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<tr>
<td></td>
<td>Precision Medicine in Asthma and Allergic Disease</td>
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<td>G. Walter Canonica</td>
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<tr>
<td>18:30 - 19:30</td>
<td>Opening Ceremony</td>
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## Friday, 5 April 2019

### 7:45 - 8:30 Parallel Sessions

**Carthage Hall 1**

**Meet the expert 5:** Anaphylaxis and Mast Cell Disorders  
Larry Schwartz, USA

**Carthage Hall 2**

**Meet the expert 6:** Triple Therapy in Asthma and COPD  
Giovanni Passalacqua, Italy

### 8:30 - 9:30 Parallel Sessions

**Tyre Hall**

**Symposium 9:** Breathing New Life into Allergic Rhinitis - An Inspiration from MeDAll and MASK Rhinitis

**Moderators Panel**  
Fuad Baroody, Fares Zaitoun, Carla Irani, Adnan Hejjawi

- ARIA: From a Guideline to a Care Pathway  
Jean Bousquet, France
- The Role of WAO in ARIA  
Ignacio J Ansotegui, Spain
- ARIA Lebanon: Time to Launch  
Phillip Rouadi, Lebanon

**Berytus Hall**

**Symposium 10:** Controversies in Food Allergy and Anaphylaxis

**Moderators**  
Motohiro Ebisawa, Pierre Hage

- Effect of Prenatal Nutrition and Life Style Interventions  
Zeinab Awad El-Sayed, Egypt
- The Gluten Puzzle: Sorting the Wheat from the Chaff  
Sami Bahna, USA
- Pitfalls in Anaphylaxis Diagnosis and Management  
Luciana Kase Tanno, France

**Carthage Hall**

**Oral Abstract session 2**

**Moderators**  
Ramsay Fuleihan, Ivana Djuric-Filipovic

- A Call for Full Allergy Training Program in Lebanon  
Leyla Barakat, France
- Characteristics of Viral Infections Among Primary Immunodeficient Children  
Waleed Al-Herz, Kuwait
- Chronic Urticaria: A Novel Approach in Treatment  
Harb Harfi, Saudi Arabia
<table>
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<th>Time</th>
<th>Parallel Sessions</th>
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<tr>
<td>9:30 - 10:30</td>
<td><strong>Tyre Hall</strong>&lt;br&gt;Symposium 11: Japanese Society of Allergology (JSA) Symposium - Recent Advances in Food Allergy&lt;br&gt;<strong>Moderators</strong>&lt;br&gt;Alessandro Fiocchi, Fadhel Saleh&lt;br&gt;Allergen Components and its Clinical Application Nobuyuki Maruyama, Japan&lt;br&gt;Advances in Food Allergy Management Komei Ito, Japan&lt;br&gt;Immunotherapy for Food Allergy Motohiro Ebisawa, Japan</td>
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<td><strong>Berytus Hall</strong>&lt;br&gt;Symposium 12: Dust Mite Hypersensitivity: Advances in Understanding the Pathophysiology&lt;br&gt;<strong>Moderators</strong>&lt;br&gt;Agnes Hamzaoui, Anne-Marie Irani&lt;br&gt;Dust Mite Hypersensitivity and Human Disease Bryan Martin, USA&lt;br&gt;Mechanisms of Action of Mite Protein Allergen Luis Caraballo, Colombia&lt;br&gt;Dust Mite Specific Allergen Immunotherapy Giovanni Passalacqua, Italy</td>
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<td><strong>Carthage Hall</strong>&lt;br&gt;WAO Junior Member Symposium&lt;br&gt;Unmet Needs in Allergy Training Luciana Kase Tanno, Marco Caminati&lt;br&gt;How to do the Most for your Poster Presentations Razvigor Darlenski&lt;br&gt;Tips for Writing and Reviewing a Scientific Article Alessandro Fiocchi</td>
</tr>
<tr>
<td>10:45 - 11:15</td>
<td>Coffee Break and Poster Viewing</td>
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<tr>
<td>11:15 - 12:15</td>
<td><strong>Tyre Hall</strong>&lt;br&gt;Plenary 2: ORL HORIZONS/WISC Joint Symposium Special ARS LOS WAO&lt;br&gt;Mini Seminar - The Value of New Knowledge in CRS&lt;br&gt;<strong>Moderators</strong>&lt;br&gt;George Zeytoun, Motohiro Ebisawa&lt;br&gt;The Unified Airway Concept and its Treatment Implications Fuad Baroody, USA&lt;br&gt;The Role of the Microbiome in Chronic Rhinosinusitis Samer Fakhri&lt;br&gt;The New Horizon of Biologics and Targeted Therapeutics G. Walter Canonica, Italy&lt;br&gt;The Role of Biomaterials in the Treatment of Chronic Rhinosinusitis Brent Senior, USA</td>
</tr>
<tr>
<td>12:15 - 13:00</td>
<td>Poster Viewing and Grading</td>
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### 13:00 - 14:00 Parallel Sessions

**Tyre Hall**  
**Company Sponsored Lunch Symposium 2**

**Carthage Hall**  
**Lunch Practical Course 2**
  *Alternative Medicine in Allergy*
  Elias Khairallah, Ehsan Kourani

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### 14:15 - 15:15 Parallel Sessions

**Tyre Hall**  
**Symposium 13: SLAAI South American Sister Society Symposium - New Insights in Allergy and Asthma**
  **Moderators**  
  Habib Douagi, Carlos Nunes
  - Digital Medicine in Allergy and Asthma Management G. Walter Canonica, Italy
  - Epigenetics in Allergic Disease Sandra Gonzalez Diaz, Mexico
  - Asthma in the Elderly Anahí Yáñez, Argentina

**Berytus Hall**  
**Symposium 14: Indoor Air Pollution and Allergic Disease**
  **Moderators**  
  Kamal Hanna, Gennaro D’Amato
  - Health Effects of Indoor Allergens and Chemical Pollutants Philip Rouadi, Lebanon
  - Measurement of Mite Allergens in Dust and Air Samples: A Clinical or Research Tool? Luis Caraballo, Colombia
  - Environmental Assessment and Interventions to improve Indoor Air Quality Fares Zaitoun, Lebanon

**Carthage Hall**  
**Practical Course 4: Lung Function Tests and Bronchial Hyperreactivity Tests**
  Mário Morais-Almeida, Ehsan Kourani, Marco Caminati

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* Appendix page
<table>
<thead>
<tr>
<th>15:30 - 16:30</th>
<th>Parallel Sessions</th>
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| **Tyre Hall** | **Symposium 15: ACAAi (American College of Allergy, Asthma & Immunology)**  
> Sister Society Symposium - Anaphylaxis and Allergy Emergencies in the Real world  
**Moderators** | Sami Bahna, Marilyn Karam  
Prevention of Mono and Biphasic Anaphylaxis Dana Wallace, USA  
Mimicry of Anaphylaxis Anne-Marie Irani, USA  
A Team Approach to Anaphylaxis Bryan Martin, USA |
| **Berytus Hall** | **Symposium 16: Asthma Pharmacotherapy - Still First Line Agents**  
**Moderators** | Carlos Nunes, Carole Youakim  
Company Supported Lecture 1  
LAMA-LABA Combination in Asthma Treatment Mário Morais-Almeida, Portugal  
Leukotrienes Modifiers and Other Therapeutics Zeinab Awad El-Sayed, Egypt |
| **Carthage Hall** | **Practical Course 5: Nasal Endoscopy and Allergen Challenges: When and How**  
Philip Rouadi, Ziad Rohayem, Charlie Hanna |

| 16:30 - 17:00 | Coffee Break and Poster Viewing |

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<th>17:00 - 18:00</th>
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</thead>
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| **Tyre Hall** | **Symposium 17: Management of Chronic Spontaneous Urticaria**  
> A Worldwide Perspective  
**Moderators** | Carla Irani, Mário Morais-Almeida  
Urticaria Management Guidelines across the World  
Mario Sánchez Borges, Venezuela  
Differential Diagnosis and Evaluation of CSU in Different Populations  
Ravi Gutta, UAE  
Update on Biological Therapeutics in CSU: What, When and How Long?  
Bryan Martin, USA |
| **Berytus Hall** | **Symposium 18: Primary Immunodeficiency in Primary Care**  
**Moderators** | Zeina Baz, Zeinab Awad El-Sayed  
Regional Experience in Immunodeficiency Waleed Al-Herz, Kuwait  
Red Flags and Alert Signs of Immunodeficiency Jose Antonio Ortega-Martell, Mexico  
Regional Experience with IVIG and Other Treatment Modalities Yehia El-Gamal, Egypt |
| **Carthage Hall** | **Practical Course 6: Allergen Immunotherapy - How to be Safe and Effective**  
Ignacio J Ansotegui, Ivana Djuric-Filipovic, Marco Caminati |

*Appendix page*
### Parallel Sessions: 7:45 - 8:30

<table>
<thead>
<tr>
<th>Hall</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carthage Hall 1</td>
<td><strong>Meet the expert 7:</strong> Food Allergy – Pearls &amp; Pitfalls Sami Bahna, USA</td>
</tr>
<tr>
<td>Carthage Hall 2</td>
<td><strong>Meet the expert 8:</strong> Bradykinin and Histamine Mediated Angioedema Lanny Rosenwasser, USA</td>
</tr>
<tr>
<td>Elyssar Hall</td>
<td><strong>Meet the expert 9:</strong> Chronic Cough in Children: A Multidisciplinary Approach Sandra Gonzalez Diaz, Mexico, Salman Mroueh, Lebanon</td>
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</table>

### Parallel Sessions: 8:30 - 9:30

<table>
<thead>
<tr>
<th>Hall</th>
<th>Symposium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyre Hall</td>
<td><strong>Symposium 19:</strong> AAAAI (American Academy of Allergy, Asthma &amp; Immunology)</td>
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<tr>
<td></td>
<td>Sister Society Symposium - New Developments in Allergy and Immunology</td>
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<tr>
<td>Moderators</td>
<td><strong>Carla Irani, Mario Sánchez Borges</strong></td>
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<tr>
<td></td>
<td>The Role of Innate Immunity in Asthma Subphenotypes Angela Haczku, USA</td>
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<td></td>
<td>Primary Immune Deficiency Presenting as Allergic Disease Ramsay Fuleihan USA/Qatar</td>
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<td></td>
<td>Primary Mast Cell Disorders: More Common than I Thought Lawrence Schwartz, USA</td>
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<tr>
<td>Berytus Hall</td>
<td><strong>Symposium 20:</strong> Timely Issues in Food Allergy</td>
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<tr>
<td>Moderators</td>
<td><strong>Motohiro Ebisawa, Fatima Mohty</strong></td>
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<tr>
<td></td>
<td>Primary Prevention of Food Allergy: Do recommendations Apply to My Patient? Nelson Rosario, Brazil</td>
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<td></td>
<td>Update on DRACMA Guidelines. Is Specific IgE Testing Necessary? Alessandro Fiocchi, Italy</td>
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<td>Eosinophilic Esophagitis: When to Suspect and How to Diagnose Michel Levin, South Africa</td>
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<td>Time</td>
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<tr>
<td>9:45 - 10:45</td>
<td><strong>Parallel Sessions</strong></td>
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<tr>
<td><strong>Tyre Hall</strong></td>
<td><a href="#">World Allergy Forum (WAF): WAO Guidelines for Urticaria and HAE</a> Moderators Ignacio J Ansotegui, Fares Zaitoun</td>
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<tr>
<td></td>
<td>Pathophysiology of Urticaria, Angioedema and HAE Jose Antonio Ortega-Martell, Mexico</td>
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<tr>
<td></td>
<td>Update on WAO Guidelines for Urticaria and HAE Mario Sánchez Borges, Venezuela</td>
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<td></td>
<td>Role of Food Allergy in Urticaria and Angioedema Motohiro Ebisawa, Japan</td>
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<tr>
<td><strong>Berytus Hall</strong></td>
<td><a href="#">Symposium 21: Eosinophilic Diseases -What is Allergy, What is not?</a> Moderators Khadija Moussayer, Michael Levin</td>
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<tr>
<td></td>
<td>Eosinophilia and Allergic Disease Lawrence Schwartz, USA</td>
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<td>Eosinophilia and Systemic Disease Salem Al Tamemi, Oman</td>
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<td>Management of Hypereosinophilia: From Steroids to New Targeted Therapies Lanny Rosenwasser, USA</td>
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<tr>
<td><strong>Carthage Hall</strong></td>
<td><a href="#">Practical Course 7: Food Allergy Investigation in your Office</a> Sami Bahna, Ghada Abdel Haleem Shousha, Pierre Hage</td>
</tr>
<tr>
<td>10:45 - 11:15</td>
<td><strong>Coffee Break and Poster Viewing</strong></td>
</tr>
<tr>
<td>11:15 - 12:45</td>
<td><strong>Plenary 3: Allergy Testing: The Good, the Bad and the Ugly</strong> Moderators Mario Sánchez Borges, Philip Rouad</td>
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<td>Total IgE level: Valuable but Neglected in Clinical Practice Sami Bahna, USA</td>
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<td>Skin Testing for Specific IgE: Still the Golden Standard? Mohamed Abuzakouk, UAE</td>
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<td>Component Resolved Diagnostics Motohiro Ebisawa, Japan</td>
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<td></td>
<td>Controversial and Unproven Tests in Allergy Ignacio J Ansotegui, Spain</td>
</tr>
<tr>
<td>13:00 - 14:00</td>
<td><strong>Parallel Sessions</strong></td>
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<tr>
<td><strong>Tyre Hall</strong></td>
<td><a href="#">Company Sponsored Lunch Symposium 3 *</a></td>
</tr>
<tr>
<td><strong>Carthage Hall</strong></td>
<td><a href="#">Lunch Practical Course 3</a> Fares Zaitoun, Olga Nahas</td>
</tr>
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<td><a href="#">Allergy Literature Review: One year in One hour</a></td>
</tr>
</tbody>
</table>

*Appendix page*
<table>
<thead>
<tr>
<th>Time</th>
<th>Parallel Sessions</th>
</tr>
</thead>
</table>
| 14:15 - 15:15| **Tyre Hall**  
**Symposium 22: Asthma Across the Age Spectrum**  
Salman Mroueh, Anahí Yáñez  
Asthma in Adolescents: A Unique Challenge Anne-Marie Irani, USA  
Asthma from Childhood to Elderly Mário Morais-Almeida, Portugal  
Novel Therapeutics In Asthma and the Role for Nanoparticles Saleh Almuhsen, Saudi Arabia |
|              | **Berytus Hall**  
**Symposium 23: Immunodeficiency - Advances in Early Detection and Therapeutics**  
Lanny Rosenwasser, Rima Wakim  
Newborn Screening for SCID and other T Cell Lymphopenia Ramsay Fuleihan, USA/Qatar  
Next Generation Sequencing in the Study of Primary Immunodeficiency Diseases Michel J. Massaad, Lebanon  
Corrective Therapy for Primary Immunodeficiency Disorders Amel Hassan, UK |
|              | **Carthage Hall**  
**Practical Course 8: Practical Aspects of Atopic Dermatitis Management**  
Carla Irani, Olga Nahas, Razvigor Darlenski |
| 15:30 - 16:30| **Tyre Hall**  
**Symposium 24: Allergy as a Systemic Disease - Looking Beyond the Obvious**  
Angela Haczku, Rafic Shammaa  
The Upper Airway Fuad Baroody, USA  
The Lower Airway Anahí Yáñez, Argentina  
The Skin Mário Morais-Almeida, Portugal |
|              | **Berytus Hall**  
**Symposium 25: Atopic Dermatitis - Translating Immune Defect Discoveries into Effective Patient Care**  
Mazen Kurban, Lawrence Schwartz  
The Skin Barrier Defect: A not so Dry Concept Raffi Tachdjian, USA  
Inflammatory Biomarkers in Atopic Dermatitis Elham Hossny, Egypt  
Biologicals in Atopic Dermatitis: Ready for Prime Time? Anne-Marie Irani, USA |
|              | **Carthage Hall**  
**Practical Course 9: Day-to-Day Challenges in Treating & Controlling Urticaria**  
Mario Sánchez Borges, Marco Caminati, Leyla Barakat |
<table>
<thead>
<tr>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>16:30 - 17:00</td>
<td>Coffee Break and Poster Viewing</td>
</tr>
<tr>
<td>17:00 - 18:00</td>
<td><strong>Parallel Sessions</strong></td>
</tr>
<tr>
<td><strong>Tyre Hall</strong></td>
<td><strong>Symposium 26: Rhinitis in Daily Practice-One Size Does not Fit All</strong></td>
</tr>
<tr>
<td>Moderators</td>
<td>Bryan Martin, Ziad Rohayem</td>
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<tr>
<td></td>
<td>The Inflammatory Line-up: Allergic Rhinitis and Beyond Mona Al-Ahmad, Kuwait</td>
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<tr>
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<td>The Neurogenic Line-up: Vasomotor Rhinitis and Friends Fuad Baroody, USA</td>
</tr>
<tr>
<td><strong>Berytus Hall</strong></td>
<td><strong>Symposium 27: Severe Asthma and Obstructive Pulmonary Disease</strong></td>
</tr>
<tr>
<td>Moderators</td>
<td>Samir Haidar, Ignacio J Ansotegui</td>
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<tr>
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<td>Asthma-COPD Overlap: Management Implications in the Real World Angela Haczku, USA</td>
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<td>Pathophysiology of Severe Asthma Lanny Rosenwasser, USA</td>
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<td>Managing Severe Asthma Inside and Outside the Box Marco Caminati, Italy</td>
</tr>
</tbody>
</table>
List of Symposia and Lectures of Recognized Sponsors for their Support of WISC 2019

Thursday April 4

13:00 - 14:00 - Tyre Hall

Pharming Supported Lunch Symposium 1
Hereditary Angioedema - Novel Therapeutics for a Serious Disease

Moderators: Lanny Rosenwasser, Habib Ghedira
HAE Overview and Regional Challenges in Diagnosis and Treatment
Fares Zaitoun, Lebanon
Recombinant Human C1INH: A Clinical Review in a Nutshell
Raffi Tachdjian, USA

15:30 - 15:50 - Berytus Hall

GlaxoSmithKline Sponsored Lecture 1
Modern Perspectives on Asthma Control Strategies Georges Juvelekian, Lebanon

17:00 - 18:00 - Tyre Hall

Stallergenes Greer Supported Evening Symposium 1
Sublingual Allergen Immunotherapy (AIT): New Data & New Challenges

Moderators: Fares Zaitoun, Luciana Kase Tanno
Sublingual Allergen Immunotherapy Update Pascal Demoly, France
Sublingual AIT in the Middle East: A Review & Future Prospects
Carla Irani, Lebanon
List of Symposia and Lectures of Recognized Sponsors for their Support of WISC 2019

**Friday April 5**

13:00 - 14:00 - Tyre Hall

**Sanofi Sponsored Lunch Symposium 2**  
Environmental Impact on Allergic Rhinitis and its Management

- **Moderators:** Philip Roaudi, Carla Irani  
- Environmental Impact on the Upper Airway in the Middle East  
- Hiba Alreeyf, Bahrain  
- International Expert Consensus on the Management of Allergic Rhinitis (AR) Aggravated by Air Pollutants Ignacio J Ansotegui, Spain

15:30-15:50 - Berytus Hall

**AstraZeneca Supported Lecture 1**  
ICS-LABA Role in Asthma Control: A Regional Perspective Rami Wali, Lebanon

**Saturday April 6**

13:00-14:00 - Tyre Hall

**Sanofi Sponsored Lunch Symposium 3**  
Atopic Dermatitis: Deep Dive

- **Moderator:** Fouad El Sayed  
- Overview of Atopic Dermatitis Carla Irani, Lebanon  
- Management of Atopic Dermatitis Sandra Gonzalez Diaz, Mexico
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* Ruconest® is indicated for treatment of acute angioedema attacks in adults and adolescents with hereditary angioedema (HAE) due to C1 esterase inhibitor deficiency. Ruconest® is registered in the EU and US but is not registered and marketed in Lebanon. Please refer to the EU Summary of Product Characteristics or the US Prescribing Information as reference and for further information, both available upon request.
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### Registration for WISC 2019

<table>
<thead>
<tr>
<th>Description</th>
<th>Onsite Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Registration</td>
<td>$750</td>
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<td>Junior delegates (under 35 years)</td>
<td>$325</td>
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### Discounted Registration for WISC/ORL 2019

<table>
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<th>Description</th>
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<tr>
<td>International Registration</td>
<td>$950</td>
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<tr>
<td>Junior delegates (under 35 years)</td>
<td>$525</td>
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</tbody>
</table>

Registration includes:
- 2 coffee breaks and 1 lunch per day
- Access to exhibit halls and conference rooms
- Certificate of Attendance

**Registration Deadline**

Online Registration will be closed on March 31st. Subsequent registration will be available only on site starting April 4th 2019.

Cancellation Policy: For Individuals only, the following fees will be retained in case of cancellation
- Until March 4th, 2019: the conference will refund 70% of the total registration cost, including any fees for optional activities.
- After March 4th, 2019: No refund, full prepaid fees will be kept as a cancellation fee
- No-show (i.e. attendees who register for the conference, but do not attend) will not receive a refund
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http://www.worldallergy.org/beirut2019

World Allergy Organization (WAO)
http://www.worldallergy.org

Lebanese Society of Allergy and Immunology (LSAI)
http://www.lebanonallergy.org

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“Sublingual Allergen Immunotherapy Update”
By Prof. Pascal Demoly

&

“Sublingual AIT In the Middle East: A Review & Future Prospects”
By Prof. Carla Irani

Thursday, April 4th
from 17:00 to 18:00

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