



Third World Thoracic Outlet Syndrome Summit

Organizers



Fahmi Kakamad
Smart Health Tower (Iraq)



Joseph Lula
Mater Misericordiae University
Hospital (Ireland)



Alessio Mariolo
Institute Mutualiste
Montsouris (France)



Ying Wei Lum
The Johns Hopkins Hospital (USA)



Abdessalem Hentati
University Hospital Habib
Bourguiba Sfax (Tunisia)

April 9 & 10, 2026

Smart Health Tower, Madam
Mitterrand St. Sulaymaniyah, Iraq.



About the Third World TOS Summit

The World TOS Summit is a biennial event that brings together the largest global gathering of experts dedicated to advancing the understanding and management of Thoracic Outlet Syndrome. The Third World TOS Summit spans two days: the first day is dedicated to theoretical lectures and panel discussions, while the second day focuses on practical sessions, including diagnostic training and surgical demonstrations. Leading experts from various countries will participate, providing international collaboration and knowledge exchange in this underrepresented field. The Summit is endorsed by Arab STS and Turkish Thoracic Society.

Aim of the Summit

The primary aim of the summit is to promote patient care and reduce patient suffering associated with TOS. The summit seeks to update participants on the latest advancements in diagnosis and management, share best practices, and encourage collaborative research and innovations. Through this event, we strive to bridge knowledge gaps, enhance multidisciplinary approaches, and ultimately improve patient outcomes worldwide.



Who Can Attend the Third World TOS Summit?

The Summit welcomes a wide range of healthcare professionals because TOS often requires a team approach. Attendees may include:

1. Thoracic Surgeons – Often perform surgeries for TOS.
2. Orthopedic Surgeons – TOS patients might first be seen by orthopedics for upper limb pain.
3. Vascular Surgeons – Often perform surgeries for TOS.
4. Neurologists – Diagnose and treat neurogenic TOS.
5. Pain Management Specialists – Help with long-term pain from TOS.
6. Physiotherapists and Physical Medicine Specialists – Provide therapy and rehabilitation for TOS.
7. Radiologists – Perform and interpret imaging tests like ultrasound, MRI, or CT scans for TOS.
8. Rheumatologists – Differentiate TOS from other diseases with similar symptoms.
9. Sports Medicine Specialists – Work with athletes who often have neurogenic and vascular TOS.
10. Emergency Medicine Physicians – Treat urgent TOS complications, like sudden arm pain and thrombotic complication of TOS.
11. Anesthesiologists – Especially those skilled in pain-blocking treatments.
12. Psychiatrists – Given that TOS often causes chronic pain, patients may also experience associated psychological issues.



Faculty



Prof. Dr. Hasan Batirel
Thoracic Surgeon, Türkiye



**Prof. Dr. Jose Ribas
Milanez de Campos**
Thoracic Surgeon, Brazil



Dr. Alessandro Mariani
Thoracic Surgeon, Brazil



**Prof. Dr. Ralph
Alexander Schmid**
Thoracic Surgeon, Switzerland



Prof. Dr. Korkut Bostanci
Thoracic Surgeon, Türkiye



**Prof. Dr. Zsuzsanna
Arányi**
Neurologist and clinical
neurophysiologist, Hungary



Prof. Dr. Helen Gharai
Anesthesiologist and
interventional pain specialist,
Iran



Dr. Wenlin Wang
Thoracic Surgeon, China



**Prof. Dr. Nazar
Mohammed Amin**
Psychiatric, Iraq



Dr. Felix Dobrițoiu
Thoracic Surgeon, Romania



Prof. Dr. Shadi Hamouri
Thoracic Surgeon, Jordan



Prof. Dr. José Carlos Garcia Jr.
Orthopedic Surgeon, Brazil



Dr. Marcos Felipe de P. Corrêa
Radiologist, Brazil



Prof. Dr. Matteo Leoni
Pain management specialist, Italy



Dr. Chiman Hasan Mahmud
Rheumatologist, Iraq



Asst. Prof. Dr. Sarwer Jamal Al-Bajalan
Neurologist, Iraq



Dr. Mostafa Azab
Orthopedic Surgeon, United Arab Emirates



Dr. Ghazal Hussain
Physiotherapist, Pakistan



Prof. Dr. Waleed Mustafa
Thoracic Surgeon, Iraq



Prof. Dr. Eman Tawfik
Electrodiagnosis & Neuromuscular Ultrasound Specialist, Egypt



Dr. Ayush Sharma
Spine Surgeon, India



Prof. Dr. Khadija Iqbal
Anatomist, Pakistan



Dr. Essa Alghunaim
Thoracic Surgeon, Kuwait



Dr. Bashar Hanna Al Saqat
Thoracic Surgeon, Iraq



Asst. Prof. Dr. Fahmi Kakamad
Thoracic Surgeon, Iraq



Dr. Alessio Mariolo
Thoracic Surgeon, France



Dr. Joseph Lula
Thoracic Surgeon, Ireland



Prof. Dr. Ying Wei Lum
Vascular Surgeon, United States of America



Prof. Dr. Abdessalem Hentati
Thoracic Surgeon, Tunisia



Prof. Dr. Abdulameer Mohsin Hussein
Thoracic Surgeon, Iraq



Program

First Day, 9th of April, 2026

7:45–8:15

Registration

8:15–8:25

Opening Statement

Asst. Prof. Dr. Fahmi Kakamad (Iraq)

8:25–9:20

Introduction Panel

Moderators

Prof. Dr. Hasan Batirel (Turkey)

Prof. Dr. Abdulameer Mohsen Hussein (Iraq)

8:25–8:40

Dynamic Anatomy of Thoracic Outlet

Prof. Dr. Khadija Iqbal (Pakistan-Virtual)

8:40–8:55

Pathophysiology of TOS

Dr. Joseph Lula (Ireland)

8:55–9:10

Current Publications in TOS

Prof. Dr. Abdessalem Hentati (Tunisia)

9:10–9:20

Panel Discussion

9:20–10:30

Diagnosis Panel

Moderators

Prof. Dr. Jose Ribas Milanez de Campos (Brazil)

Prof. Dr. Waleed Mustafa (Iraq)

9:20–9:35

Clinical Diagnosis of TOS

Dr. Wenlin Wang (China)

9:35–9:50

Role of Dynamic Ultrasound in Diagnosis of nTOS

Prof. Dr. Zsuzsanna Arányi (Hungary)

9:50–10:05

Electrodiagnosis of TOS

Prof. Dr. Eman Tawfik (Egypt-Virtual)

10:05–10:20

Role of Dynamic MRI in Diagnosis of TOS

Dr. Marcos Felipe de P. Corrêa (Brazil-Virtual)

10:20–10:30

Panel Discussion

10:30–10:45

Coffee Break

10:45–11:55 Differential Diagnosis of nTOS**Moderators**

Dr. Alessio Mariolo (France)

Dr. Bashar Hanna Al Saqat (Iraq)

10:45–11:00 Differentiating Radiculopathy from nTOS

Dr. Ayush Sharma (India-Virtual)

11:00–11:15 Rheumatological Conditions Mimicking nTOS

Dr. Chiman Hasan Mahmood (Iraq)

11:15–11:30 Orthopedic Conditions Mimicking nTOS

Prof. Dr. Mostafa Azab (United Arab Emirates-Virtual)

11:30–11:45 Migraine and nTOS: Similarities and Differences

Asst. Prof. Dr. Sarwer Jamal Al-Bajalan (Iraq)

11:45–11:55 Panel Discussion**11:55–13:30 Lunch****13:30–16:00 Management of TOS****Moderators**

Prof. Dr. Abdessalem Hentati (Tunisia)

Asst. Prof. Dr. Ashur Y. (Iraq)

13:30–13:50 Physiotherapy in Modern Practice

Dr. Ghazal Hussain (Pakistan-Virtual)

13:50–14:10 Surgical Intervention

Prof. Dr. Korkut Bostanci (Turkey)

14:10–14:30 Minimal Invasive Approaches (VATS & RATS)

Dr. Felix Dobrițoiu (Romania)

14:30–14:50 Management of Vascular TOS

Prof. Dr. Shadi Hamouri (Jordan)

14:50–15:10 Management of Recurrent TOS

Prof. Dr. Ying Wei Lum (USA-Virtual)

15:10–15:30 Panel Discussion**15:30–15:45 Coffee Break**

15:45-16:40 Pain Management**Moderators**

Dr. Essa Alghunaim (Kuwait)

Asst. Prof. Dr. Fahmi Kakamad (Iraq)

15:45-16:00 Non-Invasive Pain Management

Prof. Dr. Matteo Leoni (Italy-Virtual)

16:00-16:15 Invasive Pain Management

Prof. Dr. Helen Gharaei (Iran)

16:15-16:30 Psychological Issues and nTOS

Prof. Dr. Nazar Mohammed Amin (Iraq)

16:30-16:40 Panel Discussion**16:40-16:50 Closing Remarks-First Day**

Dr. Alessio Mariolo (France)

Second Day, 10th of April, 2026

8:30–15:10 **Advanced Diagnostic and Surgical Techniques**

Moderators

Dr. Joseph Lula (Ireland)
Dr. Alessio Mariolo (France)

8:30–9:00 **Scalene Muscle Injection: Live Demonstration**

Prof. Dr. Helen Gharaei (Iran)

9:00–10:30 **Transaxillary Approach: Live Demonstration**

Prof. Dr. Korkut Bostanci (Turkey)

10:30–11:30 **Supraclavicular Approach: Live Demonstration**

Asst. Prof. Dr. Fahmi Kakamad (Iraq)

8:30–11:30 **Ultrasound Diagnosis of Nerve Compression (Limited to Radiologists)**

Prof. Dr. Zsuzsanna Arányi (Hungary)

11:30–13:00 **Lunch**

13:00–14:00 **VATS and Robotic Approaches: Pre-Recorded Demonstration**

Prof. Dr. Ralph Alexander Schmid (Switzerland)
Dr. Alessandro Mariani (Brazil)

14:00–15:00 **Endoscopic Treatment of Thoracic Outlet Syndrome: Pre-Recorded Demonstration**

Prof. Dr. José Carlos Garcia (Brazil)
Asst. Prof. Dr. Fahmi Kakamad (Iraq)

15:00–15:10 **Closing Remarks–Second Day**

Dr. Joseph Lula (Ireland)



Committees

Organizing Committee

Asst. Prof. Fahmi Hussein Kakamad	Iraq
Dr. Joseph Lula	Ireland
Dr. Alessio Mariolo	France
Prof. Ying Wei Lum	USA
Prof. Abdessalem Hentati	Tunisia

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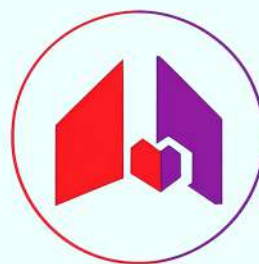
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Turkish Thoracic Society

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