Dear Colleagues!

Lung transplantation (LuTx) is an established treatment for different forms of end-stage lung diseases. The training and education of medical staff involved in this highly specialised treatment is of critical importance to achieve optimal results.

The programs in Toronto and Vienna, both high volume LuTx centers, offer a week full of an exceptional combination of clinical exposure to the ongoing programs, structured lectures and experimental wet lab lung transplantation, with use of ECMO and ex-vivo lung perfusion (EVLP). This unique educational format is based on the successful eight year experience of the Vienna Lung Transplant Academy that is now expanded to North America.

The course is designed for pulmonologists, surgeons, anesthetists, coordinators and anyone else involved in the field. The intent is to appeal to colleagues from already existing programs, who wish to deepen their knowledge in specific aspects, as well as colleagues from programs that are in the process of starting.

Participation will be limited to a total of 12 persons and acceptance will be based on a first come first serve basis.

We wish all participants an interesting and exciting week with our team.

Vienna Toronto Lung Transplant Academy is an initiative of

DEPARTMENT OF SURGERY
Division of Thoracic Surgery
Vienna General Hospital

in cooperation of

DEPARTMENT OF BIOMEDICAL RESEARCH
MEDICAL UNIVERSITY OF VIENNA

With the kind support of

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Shaf Keshavjee MD MSc FRCSC FACS
Surgeon-in-Chief, Sprott Department of Surgery, UHN
Director, Toronto Lung Transplant Program
Professor, Division of Thoracic Surgery

Vienna Toronto Lung Transplant Academy

• a comprehensive clinical training week in a high volume LuTX center
• structured lectures
• full participation in the ongoing clinical lung transplantation program
• wet lab with LuTX on ECMO and ex-vivo lung perfusion

www.meduniwien.ac.at/lutxacademy
Vienna Toronto Lung Transplant Academy

Practical Information

Course Directors
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György Lang MD, PhD, FEBTS
Medical University of Vienna/
Vienna General Hospital

Course fee
3500 € (Vienna site)
5000 CAD (Toronto site)

Language
All courses and demonstrations will be held in English

Venue Vienna
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Welcome Toronto
Toronto Course: September 21st - 25th 2020
Vienna Course: May 3rd - 7th 2021

Sunday, Evening
Arrival

Course week highlights

Lectures
• Indications and patient selection for LuTX
• Donor selection and organ procurement
• Ex-vivo lung perfusion
• Anesthesia in lung transplantation
• Surgical technique of lung transplantation including lobar transplantation
• Use of ECMO in lung transplantation
• How to avoid PGD
• ICU management of LuTX patients
• LuTX for PH & Surgical Approaches to improve right ventricular function
• Pediatric lung transplantation
• Immunosuppression in lung transplantation
• Acute cellular/humoral rejection and CLAD
• Early follow-up and surveillance bronchoscopies
• Long-term follow-up and infectious complications

Clinical experience
• Radiology in lung transplantation
• Case presentation and discussion of recent cases
• Visits of transplanted patients on ICU and ward
• Patient assessment in the pre-transplant outpatient clinic
• Observing lung transplantation in the operation theatre
• Participation in donor selection and organ procurement

Wet Lab – Hands-on-course
• Lung procurement in a pig model
• Experimental EVLP
• Lung transplantation with ECMO support in a pig model
• Surgical skill training on pig heart-lung blocks
• Technique of lobar transplantation

Friday, Afternoon
End

• Between lectures, course participants will be organised into small working groups to participate in the clinical routine (outpatient clinic, bronchoscopy, ICU ward, transplant coordination, operating theatres) according to interests.

• The program is variable according to clinical needs and opportunities. Participants will be fully involved in organ retrievals and clinical transplantations falling in the course period.

• Course participants will receive a manual describing the clinical standards and routine of LuTX at the division.