Vienna Lung Transplant Academy

Lung transplantation is the established procedure for non-malignant end stage pulmonary diseases with an constantly increasing demand for it. Training and education of medical staff involved in this highly specialised treatment is of outmost importance to achieve satisfying results.

Based on a 25 years experience, the department offers a comprehensive clinical training week which will cover all aspects of lung transplantation. The course is directed to pulmonologists, physicians, surgeons, anesthetists, coordinators and all other persons involved in the field of lung transplantation. It intends to adress colleagues from already existing programs who want to deepen their knowledge in specific aspects, as well as colleagues from programs that are in their process to start.

During this exciting week, participants are offered a unique combination of structured lectures, direct clinical involvement in the daily transplant routine of the department, participation in all clinical transplantations performed during this time and participation in experimental lung transplantation demonstrating the Ex Vivo Lung Perfusion Technique. The focus will be on a direct and intensive contact with the staff of the department offering enhanced opportunities for interaction.

At the end of the course participants should know and understand all established principles of LuTX. Furthermore they should have acquired special knowledge and skills in specific areas of transplantation which represent the clinical profile of the department. These areas include all aspects of bridging to transplantation, use of ECMO pre intra and postoperatively, application of lobar transplantation and use of the Ex Vivo Lung Transplantation Technique.

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

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

György Lang MD, PhD
Consultant Thoracic Surgeon
Course Director

Walter Klepetko, MD
Director Vienna Lung Transplantation Program
Head of Department of Thoracic Surgery
Autumn Course: 7th – 11th November 2016

Sunday Evening
• Arrival

Monday, 8 a.m. to 3.30 p.m.
• Registration and Welcome (registration: 7.45 a.m. at level 7C, room 07.C1.03)
• Tour through the department
• History and current status of LuTX
• Indications and patient selection for LuTX
• Management of the patient on the waiting list
• Case Files, Ward + ICU Rounds

Tuesday, 9 a.m. to 3.30 p.m.
• Coordination of lung transplantation
• Patient assessment in the pre-transplant outpatient clinic
• Donor selection and organ procurement
• Ex Vivo Lung Perfusion
• Case Files, Ward + ICU Round

Wednesday, 9 a.m. to 3.30 p.m.
• Anaesthesia in lung transplantation
• Surgical technique of lung transplantation including lobar transplantation
• Use of ECMO in lung transplantation
• ICU management
• Immunosuppression in lung transplantation
• Case Files, Ward + ICU Rounds

Thursday, 9 a.m. to 3 p.m.
• Lung harvesting in a pig model
• Experimental Ex Vivo Lung Perfusion
• Lung transplantation in a pig model
• Early follow-up and surveillance bronchoscopies
• Case Files, Ward + ICU Rounds

Friday, 9 a.m. to 3.30 p.m.
• Living donor lobar lung transplantation
• Retransplantation
• LuTX for PH & Surgical Approaches to improve right ventricular function
• Acute cellular/humoral rejection and CLAD
• Infectious complications, Management of treatment related side effects
• Case Files, Ward + ICU Rounds
• Course Summary

Between lectures course participants will be organised in 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. In case of any donor offers, organ harvesting or clinical transplantations course participants will be fully involved in the process.

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