



XX. International Semmelweis Symposium

Organ transplantation in the XXI. century

**Semmelweis University, Budapest, Hungary
November 4-5, 2011**

SOLID ORGAN TRANSPLANTATION-AN UPDATE

Final Program

Dear Friends,

Semmelweis University, with its over two-hundred-year tradition and highly acknowledged reputation, is an internationally known institute of higher education and research in biomedical sciences.

Our most prestigious scientific event is the Semmelweis Symposium; organized annually, this conference is committed to maintain an international forum in which experts of a previously selected scientific area can meet to exchange scientific ideas.

In 2011, the Semmelweis Symposium will be dedicated to the topic of Organ Transplantation.

The Organizing Committee intends to provide delegates with a clear picture of the latest research in this field and its implications on therapy. This Committee, comprising several senior researchers, will guarantee that delegates visiting Budapest are provided with the most up-to-date information on this rapidly developing field. Top professionals will present the results of their latest research activity, as well as the most recent diagnostic and therapeutic modalities. Additionally, the meeting will feature freestyle lectures and a poster session.

On behalf of the Organizing Committee, I would like to cordially invite you to the Semmelweis Symposium (November 4-5, 2011, Budapest, Hungary). I look forward to seeing you in Budapest at this exciting scientific conference.

Sincerely yours,

Tivadar Tulassay
Conference Chair

Past, Present and Future of Hungarian Organ Transplantation

In 1902 a Hungarian surgeon **Emerich (Imre) Ullmann** performed the worldwide first successful kidney transplantation in the dog in Vienna. In 1962 **András Németh** in Szeged, Hungary performed a living related renal transplantation (as the 7th surgeon and the 36th such operation) in Europe which was technically successful, but due to rejection first the graft and 79 days later the patient was lost.

The first successful kidney transplant program in Hungary was started in 1973 by **Ferenc Perner** in Budapest and in 1979 Szeged joined with a second program. At that time our country was part of Intertransplant, an organ exchange organization founded in 1974. Very few organs were exchanged between the former Eastern Block countries and in 1989 Intertransplant stopped its activities due to the political changes in Europe. Therefore, two decades ago there were only two kidney transplantation centers in Hungary. Within a few years two more centers started a renal transplant program, subsequently a heart and a liver program were initiated and a collaboration was begun with Vienna for lung transplantation. In two centers we perform combined pancreas-kidney transplantations also. The Hungarian Transplant Society was also founded because of the growing interest in organ transplantation. In 2009 attitude changes began occurring in Hungarian transplant professionals which led to the conclusion that Hungary should join Eurotransplant. The stagnating donor numbers during the previous 15 years resulted in a plateau in transplant numbers. The problems of the pediatric organ shortage, the unsolved problem of sensitized patients and high urgency cases desperately required a bigger donor pool for a balanced organ exchange.

In December 2010 The State Secretary for Health Issues, **Dr. Miklós Szócska** announced an action plan for addressing the problems of transplantation in Hungary which included financial help to reach the European average number of patients on the waiting lists, an effort to increase donation activities, to bring lung transplantation to Hungary, to educate the public and the medical societies about transplantation, and finally, to start negotiations for membership in Eurotransplant.

This makes the year 2010 a milestone in the history of Hungarian transplantation with the hope for the beginning of a new era. Additionally, during this year the ratio of living donation/deceased donor transplantation relating kidney transplantation became 20% at the Budapest center and country-wide surpassed the last two years of 10%. Living donation is available in all four Hungarian Transplant Centers, but its ratio was under 5% for many years.

With all of these new opportunities the Hungarian transplantation community looks optimistically toward the challenges of the future.

Róbert Langer
Conference Co-Chair

Organizing Committee

Conference chairs

Tivadar Tulassay, Rector of Semmelweis University
Director: I. Department of Pediatrics

Róbert Langer, Director: Clinic for Organ Transplantation and Surgery

Conference secretary

Attila J Szabó, I. Department of Pediatrics

Scientific Committee

Francis Delmonico, USA

Uwe Heemann, Germany

Barry D. Kahan, USA

László Kóbori, Hungary

Béla Merkely, Hungary

Ferenc Perner, Hungary

Rutger J. Ploeg, Netherlands

György Reusz, Hungary

David E. R. Sutherland, USA

Ondrej Viklicky, Czech Republic

Section Chairs

Róbert Langer - Semmelweis University, Budapest
Tivadar Tulassay - Semmelweis University, Budapest
Ferenc Perner - Semmelweis University, Budapest
Attila Szabó - Semmelweis University, Budapest
György Lang - Semmelweis University, Budapest and Medical University of Vienna, Vienna
Uwe Heemann - Department of Nephrology of the Technical University, Munich
Barry D. Kahan - The University of Texas, Houston
László Kóbori - Semmelweis University, Budapest
Ferenc Horkay - Semmelweis University, Budapest
György Reusz - Semmelweis University, Budapest
Ondrej Viklicky - Institute for Clinical and Experimental Medicine, Prague

Speakers

Francis Delmonico - Harvard Medical School and Massachusetts General Hospital, Boston
Ilias I.N. Doxiadis - Leiden University Medical Center, Leiden
Richard Fine - State University of New York at Stony Brook, Stony Brook
Philip Halloran - University of Alberta, Edmonton
Uwe Heemann - Department of Nephrology of the Technical University, Munich
Béla Iványi - University of Szeged, Faculty of Medicine, Szeged
Stefan Janssens - Catholic University Leuven, Leuven
Barry D. Kahan - The University of Texas, Houston
Ronald Kerman - The University of Texas, Houston
Mátyás Kiss - Semmelweis University, Budapest
Walter Klepetko - Medical University of Vienna, Vienna
László Kóbori - Semmelweis University, Budapest
György Lang - Medical University of Vienna, Vienna
György Losonczy - Semmelweis University, Budapest
Bruno Meiser - Grosshadern University Hospital, Munich
Béla Merkely - Semmelweis University, Budapest
Ferdinand Mühlbacher - University of Vienna, Vienna
Ferenc Perner - Semmelweis University, Budapest
Rutger J Ploeg - University of Groningen, Groningen
Johann Pratschke - Universitätsklinik Innsbruck, Innsbruck
György Reusz - Semmelweis University, Budapest
David Sutherland - University of Minnesota, Minneapolis
Gábor Szabó - University of Heidelberg, Heidelberg
Marina Varga - Semmelweis University, Budapest
Ondrej Viklicky - Institute for Clinical and Experimental Medicine, Prague
Lutz Weber-Ludwig-Maximilians University, Munich

Congress Information

Conference venue

Semmelweis University, *Dental Training Center, Budapest, VIII. Szentkirályi u. 47.*

Registration

The registration and information desk is situated in the entrance hall of the Conference venue.

The desk will be open at the following times:

Friday, November 04	08.00-18.00 hours
Saturday, November 05	08.00-19.00 hours

Badges

All participants are kindly requested to wear their name badge when attending the congress or social events.

Language of the Symposium

The official language of the Symposium is English. No simultaneous translation will be provided.

Lunch

Lunch area is located in the entrance hall.

Complimentary coffee, tea and snacks will be served to registered delegates during coffee breaks.

Accreditation

Physicians accreditation: For Hungarian participants following completion of the test at the end of the scientific event 38 points are eligible.

PhD Students: The Semmelweis University School of Ph.D. Studies designates following completion of the test at the end of the event 1 credit point.

International accreditation: Semmelweis Symposium 2011 is granted 12 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

All regularly registered delegates can collect their certificate of attendance and certificate of CME credits at the registration/information desk located in the entrance hall of the Conference venue starting November 5 after 15.00 hours. To obtain the certificate, it is mandatory to go to this desk and sign each day the attendance register.

For Hungarian physicians following a successful test 38 points will be entered automatically into the Oftex portal.

For PhD students following a successful test 1 credit point will be entered automatically into their PhD registry.

Posters

Posters will be displayed in the Poster Area located in the entrance hall of the Congress venue. Authors should mount their poster on November 04 starting at 08.00 and dismantle it after 17.00 hours next day. The poster panel measures 90 cm width x 200 cm height (portrait/vertical). The organizers will provide suitable fixing material during the mounting times.

Social Program

Friday, November 04. 19.00 hours: Organ concert (Norbert Lázár) – University Church, Budapest, V. Papnövelde 5-7

Friday, November 04. 20.30 hours: Banquet dinner - Festetics Palace, Budapest, VIII. Pollack Mihály tér 3.

Both programs are free for all regularly registered delegates.

Congress Secretary

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Scientific program

03. November 2011

OFFICIAL MEETING: EUROTRANSPLANT-HUNGARIAN TRANSPLANT ASSOCIATION

04. November 2011

08.30-09.00 Posters

09.00-09.30 Opening ceremony (Tivadar Tulassay - Róbert Langer - Attila Szabó)

09.30-10.50 **Chair: Róbert Langer** - Semmelweis University, Budapest

David Sutherland - University of Minnesota, Minneapolis: "Past, present and future of beta cell replacement therapy to treat diabetes mellitus." (40 minutes)

Bruno Meiser - Grosshadern University Hospital, Munich: Organ donation and allocation in the Eurotransplant area and beyond (30 minutes)

Discussion (10 minutes)

10.50-11.10 Coffee break



11.10-12.40 **Chair: Tivadar Tulassay** - Semmelweis University, Budapest

Francis Delmonico - Harvard Medical School and Massachusetts General Hospital, Boston: The Contribution of Boston to a Century of Organ Transplantation (40 minutes)

Barry D. Kahan - The University of Texas, Houston: Fifty Years in the Vineyard of Immunosuppression for Transplantation: A View on Fifty Years Forward (40 minutes)

Discussion (10 minutes)

12.40-13.40 Lunch



13.40-15.20 **Chair: Ferenc Perner** - Semmelweis University, Budapest

Ronald Kerman - The University of Texas, Houston: Immunological paradigms before and after transplantation (30 minutes)

Ilias I.N. Doxiadis - Leiden University Medical Center, Leiden: Allocation in the second decade of the new century: learning from the past (30 minutes)

Rutger J Ploeg - University of Groningen, Groningen: The effect of brain death on long term graft survival (30 minutes)

Discussion (10 minutes)

15.20-15.50 Coffee break

- 15.50-17.00 **Chair: Attila Szabó** - Semmelweis University, Budapest
Phill Halloran - University of Alberta, Edmonton: Allograft rejection: New insights from the molecular microscope project (40 minutes)
Béla Iványi - University of Szeged, Faculty of Medicine, Szeged: Capillary lesions of renal allograft rejection (20 minutes)
Discussion (10 minutes)
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- 17.00-18.10 **Chair: György Lang** - Semmelweis University, Budapest; Medical University of Vienna, Vienna
Walter Klepetko - Medical University of Vienna, Vienna: Clinical Lung Transplantation. (20 minutes)
György Lang - Semmelweis University, Budapest; Medical University of Vienna, Vienna: Experimental Lung Transplantation - Reconditioning of marginal donor lungs (20 minutes)
György Losonczy - Semmelweis University, Budapest: Immunotolerance and opportunistic lung infections in solid organ transplant recipients (20 minutes)
Discussion (10 minutes)
- 19.00 Organ concert (Norbert Lázár)
- 20.30 Banquet dinner (Festetics Palace)

05. November 2011.

- 09.00-10.00 Chair: Uwe Heemann** - Department of Nephrology of the Technical University, Munich
Ondrej Viklicky - Institute for Clinical and Experimental Medicine, Prague: Molecular phenotypes of rejection (25 minutes)
Lutz Weber-Ludwig-Maximilians University, Munich: Therapeutic drug-monitoring in pediatric renal transplantation (25 minutes)
Discussion (10 minutes)
- 10.00-10.30 Coffee break
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- 10.30-12.00 **Chair: Barry D. Kahan** - The University of Texas, Houston
Ferenc Perner - Semmelweis University, Budapest: History of the Hungarian organ transplantation (40 minutes)
Uwe Heemann - Department of Nephrology of the Technical University, Munich: Strategies to allocate the right kidney to the right recipient (40 minutes)
Discussion (10 minutes)
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- 12.00-13.10 **Chair: László Kóbori** - Semmelweis University, Budapest
Ferdinand Mühlbacher - University of Vienna, Vienna: Liver transplantation today (30 minutes)
László Kóbori- Semmelweis University, Budapest: Immunocyp, individualized drug therapy after liver transplantation (15 minutes)
Mátyás Kiss - Semmelweis University, Budapest: New findings in the human surgical anatomy of the liver (15 minutes)
Discussion (10 minutes)
- 13.10-14.20 Lunch
- 14.20-15.30 **Chair: Ferenc Horkay** - Semmelweis University, Budapest
Gábor Szabó - University of Heidelberg, Heidelberg: Surgical therapy of heart failure – heart transplantation in focus (20 minutes)
Stefan Janssens - Catholic University Leuven: Current aspect of diagnosis and therapy on terminal heart failure (20 minutes)
Béla Merkely - Semmelweis University, Budapest: Heart failure patient management – the role of resynchronization therapy (20 minutes)
Discussion (10 minutes)
- 15.30-16.40 **Chair: György Reusz** - Semmelweis University, Budapest
Richard Fine - State University of New York at Stony Brook, Stony Brook: Growth following Solid Organ Transplantation (30 minutes)
Johann Pratschke - Universitätsklinik Innsbruck, Innsbruck: Composite, small bowel and multivisceral transplantation (30 minutes)
Discussion (10 minutes)
- 16.40-17.10 Coffee break
- 17.10-18.10 **Chair: Ondrej Viklicky** - Institute for Clinical and Experimental Medicine, Prague
György Reusz - Semmelweis University, Budapest: Cardiovascular complications following organ transplantation. (30 minutes)
Marina Varga- Semmelweis University, Budapest: CMV and other infections following solid organ transplantation (20 minutes)
Discussion (10 minutes)
- 18.10-18.40 Test
Closing ceremony

Sponsors

Semmelweis University

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A projekt az Európai Unió támogatásával, az Európai Szociális Alap társfinanszírozásával valósul meg.

Hazai Szervátültetésért Alapítvány