



# The 17th Budapest Nephrology School Nephrology, Hypertension, Dialysis, Transplantation

Under the auspices of  
**ISN, ERA-EDTA and ISP**

26 –31 August, 2010



In conjunction with the 8th International Symposium on Wine and Health and on  
the occasion of the 5th World Kidney Day

Semmelweis University  
International Nephrology Research & Training Center  
Worldwide Hungarian Medical Academy  
Vanderbilt University Medical Center  
University of Toronto, Avicenna College  
Hungarian Kidney Foundation (Reg. No 596/1987)

## Invited Lecturers:

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**Dear Colleague,**

It is my pleasure to welcome you to the 17th Budapest Nephrology School organized in conjunction with the 7th International Symposium on Wine and Health and on the occasion of the 8th World Kidney Day.

During this *one-week program*, our distinguished international speakers provide updates in nephrology, hypertension, dialysis and transplantation. We cover the field from molecule to bedside, from the most recent scientific advances to the current clinical approaches. You will also enjoy close interaction with the faculty in small group workshops. You are encouraged to present your poster, raise questions and consult your colleagues on problematic cases. You are also invited to visit our quality dialysis and research units.

We have acted, based on the experience from previous successful years, to keep our standards high, invite internationally known speakers, provide the most optimal environment, encourage interaction and at the same time reduce the participation fee to the minimum. Our success is reflected by the increasing number of participants who have repeatedly attended the school. I hope that the commitment of my colleagues have successfully provided the best conditions for you to learn during this week. I also hope that you will enjoy our exciting social programs in Budapest. You should not forget about the 8th International Symposium on Wine and Health which is an important event. You will taste quality Hungarian wines. Wine is not only important to Hungarians but it has a several thousand-year history in mankind's life. Although, there are 24 historical vineyards in our country, among them such famous places as Tokaj, Villány, Badacsony, and the long culture and tradition of wine consumption, there is a high incidence of cardiovascular disease with the resultant serious decrease in life expectancy in this region.

Sincerely yours,



László Rosivall, MD, PhD, DSc  
President

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# Program

## August 26 (Thursday)

08:00 – 09:00     **REGISTRATION**

Venue:

Department of Transplantation and Surgery

Semmelweis University, Baross street 23.

H-1082, Budapest

09:00 – 09:45     **Welcome Addresses and Official Opening**

09:00 – 09:30	<b>L. Rosivall</b>	President of the Hungarian Kidney Foundation
	<b>E. Ritz</b>	Immediate Past President of the International Society of Nephrology
	<b>T. Tulassay</b>	President of the Semmelweis University Budapest
	<b>I. Kiss</b>	Country's Chief Nephrologist, President of Hungarian Society of Hypertension
	<b>R. Langer</b>	Chairman of the Department of Transplantation and Surgery, Semmelweis University

## **August 26 (Thursday)**

### *KEY NOTE LECTURE*

*Moderator:*

- 10:00 – 10:30 **From Replacement to Prevention – from the patient’s perspective**  
10:30 – 10:45 Discussion

### *BASIC SCIENCE/PATHOMECHANISM OF DISEASE*

- 10:45 – 11:15 **Real-Time Imaging of Kidney Functions in Vivo**  
11:15 – 11:30 Discussion

- 11:30 – 12:00 **Intrarenal Renin Angiotensin Systems**  
12:00 – 12:15 Discussion

- 12:15 – 13:00 **Lunch**

*Moderator:*

- 13:00 – 13:30 **New Findings in Sodium Balance**  
13:30 – 13:45 Discussion

- 13:45 – 14:15 **Aldosterone – Beyond Blood Pressure**  
14:15 – 14:30 Discussion

- 14:30 – 15:00 **Cardiovascular protection and the RAS**  
15:00 – 15:15 Discussion

- 15:15 – 15:45 **Coffee break**

*Moderator:*

- 15:45 – 16:15 **Renalase a New Renal Hormone – from Bedside to Research Lab and Back**  
16:15 – 16:30 Discussion

### *APPROACH TO THE PATIENT WITH RENAL DISEASE*

- 16:30 – 17:00 **Kidney Biopsy**  
17:00 – 17:15 Discussion

- 18:00 – 22:00 **8th International Symposium on Wine and Health in conjunction with the 17th Budapest Nephrology School**  
Hunguest Hotel Platanus, Könyves K. krt. 44.

- 18:00 – 18:10 **Presidential Greetings**  
László Rosivall

- 18:10 – 18:30 **Cardiovascular Risk and Alcohol in**

18:30 – 20:00	<b>General and Red Wine in Specific</b> Eberhard Ritz <b>Elaboration and Presentation of the Hungarian Wines</b> Ernő Péter Botos
20:00 – 22:00	<b>Dinner</b> Special Hungarian Dishes Selected quality wines from the best known Hungarian cellars

## August 27 (Friday)

*Moderator:*

09:00 – 09:30 **Clinical Evaluation of GFR and Albuminuria**  
09:30 – 09:45 Discussion

### *HYPERTENSION*

09:45 – 10:15 **Renovascular Hypertension**  
10:15 – 10:30 Discussion

10:30 – 11:00 **Coffee break**

*Moderator:*

11:00 – 11:30 **Kidney and Hypertension**  
11:30 – 11:45 Discussion

### *CLINICAL NEPHROLOGY*

11:45 – 12:15 **Acute Renal Failure**  
12:15 – 12:30 Discussion

12:30 – 13:30 **Lunch**

*Moderator:*

13:30 – 14:00 **Primary Glomerular Disease**  
14:00 – 14:15 Discussion

14:15 – 14:45 **Secondary Glomerular Disease (except  
diabetic nephropathy)**  
14:45 – 15:00 Discussion

15:00 – 15:30 **Coffee break**

*Moderator:*

15:30 – 16:00 **Diabetic Nephropathy - update**  
16:00 – 16:15 Discussion

16:15 – 16:45 **Effective Treatment Strategies to Delay the  
Progression of Renal Disease and Vascular  
Disease in CKD**  
16:45 – 17:00 Discussion

17:00 – 17:45 **Buffet**

19:00 – 20:00 **Organ concert by Prof. Dr. János Borvendég**

Venue: St. Stephen Basilica  
1051 Budapest, St. Stephen square

## **August 28 (Saturday)**

*Moderator:*

### *DISTURBANCES IN CONTROL OF BODY FLUID VOLUME AND COMPOSITION*

- 08:30 – 09:00     **Pathophysiology of Water and Ion Metabolism**  
09:00 – 09:15     Discussion
- 09:15 – 09:45     **Acid-Base Disorders, Acid-Base Quiz**  
09:45 – 10:00     Discussion

### *CHRONIC RENAL FAILURE*

- 10:00 – 10:30     **Prevalence of CKD**  
10:30 – 10:45     Discussion

10:45 – 11:15     **Coffee break**

*Moderator:*

- 11:15 – 11:45     **Screening for Chronic Kidney Disease: Racial Implications**  
11:45 – 12:00     Discussion
- 12:00 – 12:30     **Complications of CKD: Renal Anemia**  
12:30 – 12:45     Discussion

12:45 – 13:45     **Lunch**

*Moderator:*

- 13:45 – 14:15     **Targeting Vascular Damage (Stiffness, Calcifications) in CKD Beyond Blood Pressure**  
14:15 – 14:30     Discussion
- 14:30 – 15:00     **Secondary Hyperparathyroidism – an Update on Pathophysiology and Treatment**  
15:00 – 15:15     Discussion

15:15 – 15:45     **Coffee break**

- 15:45 – 16:15     **Molecular and Cellular Mechanism of Vascular Calcification**  
16:15 – 16:30     Discussion
- 16:30 – 17:00     **Cardiovascular Aspects of Chronic Kidney Disease**  
17:00 – 17:15     Discussion
- 17:15 – 17:45     **Polycystic Kidney Disease**  
17:45 – 18:00     Discussion

18:00 – 18:30 **Buffet**

**Free Evening**

## **August 29 (Sunday)**

### *RENAL REPLACEMENT THERAPY*

*Moderator:*

- 09:00 – 09:30    **Hemodialysis Adequacy**  
09:30 – 09:45    Discussion
- 09:45 – 10:15    **Alternative Therapies – Frequent, Long Dialysis, Hemodiafiltration**  
10:15 – 10:30    Discussion
- 10:30 – 11:00    **Intensive Care Nephrology**  
11:00 – 11:15    Discussion
- 11:15 – 11:30    **Coffee break**
- Moderator:*
- 11:30 – 12:00    **Predialysis Care**  
12:00 – 12:15    Discussion  
|
- 12:15 – 12:45    **Peritoneal Dialysis – Adequacy and Complications**  
12:45 – 13:00    Discussion
- 13:00 – 14:00    **Lunch**
- 14:30 – 15:15    **Guided Visit to the Hungarian Parliament**  
**1055 Budapest, Kossuth Lajos square 1-3.**  
**Gate No. XII.**
- 15:15 – 20:00    *Free Afternoon: Happy hours in Budapest*
- 20:00 – 21:00    **Boat tour on the Danube**  
  
Departure: Vigadó square  
Gate No. 8.

## **August 30 (Monday)**

### **Venue: B. Braun Avitum, Aesculap Academy**

1115 Budapest, Halmi u. 20-22.  
(Transportation will be provided)

*Moderator:*

09:00 – 09:30 **Exercise rehabilitation-does it play a role in the management of patients with chronic kidney disease?**

09:30 – 09:45 Discussion

09:45 – 10:15 **Complications in Hemodialysis**

10:15 – 10:30 Discussion

10:30 – 11:00 **Coffee break**

*Moderator:*

11:00 – 11:30 **Vascular Access**

11:30 – 11:45 Discussion

### *RENAL TRANSPLANTATION*

11:45 – 12:15 **Recurrent Diseases After Transplantation**

12:15 – 12:30 Discussion

12:30 – 13:30 **Lunch**

*Moderator:*

13:30 – 14:00 **Transplantation With Expanded Criteria Kidney Donors**

14:00 – 14:15 Discussion

14:15 – 14:45 **Novel Targets for New Immunosuppressive Agents in Clinical Trials**

14:45 – 15:00 Discussion

15:00 – 15:30 **Coffee Break**

*Moderator:*

15:30 – 16:00 **Immunosuppressive Drugs, How They Work on Immune Mechanisms**

16:00 – 16:15 Discussion

16:15 – 16:45 **Managing Kidney Transplant Patients –Beyond  
Immunosuppression**

16:45 – 17:00 Discussion

*Moderators:*

17:00 – 19:00 **Poster Discussion with Wine**

19:00 – 21:00 **Farewell Reception**

Sponsored by **B.Braun Hungary LTD.**

## **August 31 (Tuesday)**

### *PSYCHONEPHROLOGY*

*Moderator:*

- 09:00 – 09:30     **Psycho-nephrology: Psycho-social management of Patients with CKD**  
09:30 – 09:45     Discussion
- 09:45 – 10:15     **Sleep Disorders in Patients with CKD**  
10:15 – 10:30     Discussion
- 10:30 – 11:00     **Coffee break**

### *RENAL PATHOLOGY*

*Moderator:*

- 11:00 – 11:30     **Renal Pathology I.**  
11:30 – 11:45     Discussion
- 11:45 – 12:15     **Pathology of Kidney Allograft Dysfunction**  
12:15 – 12:30     Discussion
- 12:30 – 13:30     **Lunch**
- 13:30 – 14:00     **Renal Pathology II.**  
14:00 – 14:15     Discussion
- 14:15 – 14:45     **Renal Pathology Quiz**  
14:45 – 15:00     Discussion
- 15:00 – 16:00     **Examination (Test)**
- 16:00 – 16:15     **Concluding remarks**  
László Rosivall

## Commentary

*„..., it is a pleasure for the International Society of Nephrology to recognize the tradition established by Dr. Rosivall and his colleagues in the heart of Europe, servicing so many colleagues in their quest for knowledge. Experts from various parts of the world have contributed to render the Budapest School into one of the best of its kind. We congratulate Dr. Rosivall on this momentous achievement.”*

**Jan J. Weening, Past President of ISN**

*„As a President of ERA-EDTA association I'm very proud that our Society is a sponsor of the Budapest Nephrology School that next year will celebrate the 10<sup>th</sup> Anniversary. The best comment about the quality of this school come from a letter I received from one of the participants at last school "I was fortunate to be one of the sponsored delegate by the ERA. I do not have any words to express my sincere gratitude to the ERA and especially you for considering me for the grant from ERA." I do believe there are no other words to add!"*

**Francesco Locatelli, Past President of ERA-EDTA**

*„The Semmelweis University under the dedicated leadership of Professor Rosivall has developed the tradition of an annual Nephrology Summer School in Budapest... The panel of experts is impressive and has included some of the top leaders of nephrology in the world. In recognition of the high standard of this meeting, both the International Society of Nephrology (ISN) and the European Renal Association (ERA) co-sponsor this important event.”*

**Eberhard Ritz, President Elect of ISN**

*„Great work, worth to recommend to colleagues.”*

**A Participant**

### *Some faculty members of the previous Schools*

*T. Andreoli, J. Balla, J. M. Bargman, C. Baylis, P.D. Bell, W. Van Biesen, R. Blantz, B. M. Brenner, R. de Châtel, E. Cole, R. Coppo, W. G. Couser, A. Covic, P. Csermely, A. Davison, Gy. Deák, G. Devins, J. Dirks, T. B. Drücke, Cs. Dzsini, K-U. Eckardt, A. Falus, J. Feehally, L. G. Fine, M. Fischereder, A. Fogo, D. Fouque, P. Gergely, D. Goldsmith, M. Goligorsky, S. Goral, J. G. Grunfeld, S. Halperin, Á. Haris, L. Harper, U. Heemann, A. Heidland, J. H. Helderman, G. Hercz, L. Hunyadi, E. J. Holtzman, A. Horváth, A. Iaina, N. Ismail, B. Iványi, K. J. Jager, J. Járny, V-M. Kahari, D. Kerjaschki, I. Kiss, H. Klinkmann, G. Kovacs, R. T. Krediet, K. Kurokawa, N. Lameire, S. Van Laecke, M. Little, A. Logan, N. Levin, F. Locatelli, F. Luft, A. MacLeod, O., Mehls, D. C. Mendelssohn, A. Meyrier, I. Mucsi, G. A. Müller, J. Nagy, D. Naimark, M. Novák, K. Olgaard, H. H. Parving, M. Paul, F. Perner, J. Peti-Peterdi, R. Pisoni, A. Rees, P. Ronco, E. Ritz, L. Rosivall, B. Rutkowski, B. Sarkadi, D. Schlöndorff, H. Schmidt-Gayk, G. Schulman, E. Slatopolsky, S. Sonkodi, A. Spät, T. Szabó, A. Tislér, S. W. Tobe, T. Tóth, T. Tulassay, S. Vas, P. Venetianer, J. J. Weening, A. Wiecek, I. Wittman, D. de Zeeuw, P.A. Zillén*

# 17th Budapest Nephrology School

## TIMETABLE AT A GLANCE

	<b>Thursday *</b> <i>Aug. 26</i>	<b>Friday</b> <i>Aug. 27</i>	<b>Saturday</b> <i>Aug. 28</i>	<b>Sunday</b> <i>Aug. 29</i>	<b>Monday *</b> <i>Aug. 30</i>	<b>Tuesday</b> <i>Aug. 31</i>
Morning	<b>Registration</b> 08:00 - 09:00 <b>Official Opening</b> 09:00 - 09:45 <b>Lectures</b> 10:00 - 12:15	<b>Lectures</b> 09:00 – 12:30	<b>Lectures</b> 08:30 - 12:45	<b>Lectures</b> 09:00 -13:00	<b>Lectures</b> 09:00 - 12:30	<b>Lectures</b> 09:00 - 12:30
Afternoon	<i>Lunch</i> 12:15 - 13:00 <b>Lectures</b> 13:00 - 17:15	<i>Lunch</i> 12:30 - 13:30 <b>Lectures</b> 13:30 - 17:00 <i>Buffet</i> 17:00 - 17:45	<i>Lunch</i> 12:45 - 13:45 <b>Lectures</b> 13:45 -18:00 <i>Buffet</i> 18:00 – 18:30	<i>Lunch</i> 13:00 - 14:00 <b>Visit to Parliament</b> 14:30 – 15:15 <b>Free afternoon</b>	<i>Lunch</i> 12:30 - 13:30 <b>Lectures</b> 13:30 - 17:00 <b>Posters with Wine</b> 17:00 - 19:00	<i>Lunch</i> 12:30 – 13:30 <b>Lecture</b> 13:30-15:00 <b>Examination</b> 15:00 - 16:00 <b>Concluding</b> 16:00 – 16:15
Evening	<b>8th Int Symp on Wine and Health, Hotel Platanus</b> 18:00-22:00	<b>Concert, St. Stephen Basilica</b> 19:00 – 20:00	<b>Free Evening</b>	<b>Boat Tour on the Danube</b> 20:00 - 21:00	<b>Farewell Reception</b> 19:00 - 21:00	

\* In conjunction with the 8th International Symposium on Wine and Health and on the occasion of the 5th World Kidney Day

\*Venue: B. Braun Avitum, Aesculap Academy, 1115 Budapest, Halmi u. 20-22., (Transportation will be provided)

### SPONSORS

Hungarian Kidney Foundation, International Society of Nephrology, European Renal Association – European Dialysis and Transplant Association, Hungarian Nephrological Society, Semmelweis University Budapest, Avicenna College Budapest, Aesculap Academy, Budapest,

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