



The 21st Budapest Nephrology School

Nephrology, Hypertension, Dialysis, Transplantation

Under the Auspices of
ISN, ERA-EDTA, RPS, IFKF and ISP

26–31 August, 2014



In conjunction with **Young Nephrologists' Platform** (24-25, August, 2014) and the **12th International Symposium on Wine and Health** and on the occasion of the **9th World Kidney Day**

Semmelweis University
International Nephrology Research & Training Center
Worldwide Hungarian Medical Academy
Vanderbilt University Medical Center
University of Toronto, Avicenna College
International Society for Pathophysiology
Hungarian Kidney Foundation (Charity Reg. Nr. 596/1987)

 *25th Anniversary of the Hungarian Kidney Foundation* 

Dear Colleague,

Budapest Nephrology School is a one-week, English speaking, internationally recognized, CME refresher nephrology course which has been organized by the Hungarian Kidney Foundation at the **Semmelweis University** for the past 20 years, under the auspices of **ISN** and **ERA-EDTA**. The school is accredited worldwide by EU in Brussels. The School published a book titled "**Nephrology, Hypertension, Dialysis and Transplantation**" edited by *T. Andreoli, E. Ritz and L. Rosivall (2005)*. The new, 3rd edition of the book has just appeared as an e-book and will be printed soon.

During the 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. Workshops provide the possibility for close interaction with the faculty in small groups. Participants are encouraged to present their *posters*, raise *questions* and consult other colleagues on problematic cases. Programs are also arranged to visit quality dialysis and research units. The Budapest Nephrology School has always kept *high standards* and performed successfully with international positive feed-backs. So far doctors from *65 countries* have attended the school. Our success is reflected by the increasing number of participants who have repeatedly attended the school.

The school is proud of its faculty who has represented the international most recognized experts in the field from the very beginning. We believe that the school is also a unique opportunity for our colleagues to spend some time in Budapest and while enjoying the cultural, architectural, social, historical beauties and the special Hungarian hospitality of a thousand years old country, meet with colleagues worldwide and get the refresher in the field from the best.

The 21st Budapest Nephrology School is held in conjunction with **Young Nephrologists' Platform** (24-25, August, 2014) and the **12th International Symposium on Wine and Health** and on the occasion of the **9th World Kidney Day**.

The 21st Budapest Nephrology School was accredited by the European Accreditation Council for Continuing Medical Education (EACCME) for 30 European CME credits (ECMEC). The Course included 52 hours of scientific lectures and a final examination which can be locally evaluated according to national standards (in Hungary it is equal to 50 CME credits).

Looking forward to seeing you in Budapest soon.

Sincerely yours,



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Program

AUGUST 26 (Tuesday)

08:00 – 09:00

REGISTRATION

Venue:

Department of Transplantation and Surgery

Semmelweis University

Baross street 23.

1082 Budapest

OPENING

09:00 – 09:20

Welcome Addresses and Official Opening

L. Rosivall, President of the Hungarian Kidney Foundation

E. Ritz, Past President of the International Society of Nephrology

A. Wiecek, President of European Renal Association – European Dialysis Transplant Association

Á. Szél, President of the Semmelweis University, Budapest, Patronage of the School

Gy. Reusz, President of the Hungarian Nephrological Society, Budapest

Z. Máthé, Chair of the Department of Transplantation and Surgery, Semmelweis University

FROM MOLECULES TO BEDSIDE, FROM THEORY TO PATIENT CARE

Moderator:

Eberhard Ritz, Germany

09:20 – 09:50

Kidney Biomimicry

09:50 – 10:00

Discussion

Peter Stenvinkel, Sweden

10:00 – 10:30

Obesity and Kidney Diseases

10:30 – 10:40

Discussion

Peter Stenvinkel, Sweden

10:40 – 11:10

Autosomal Dominant Interstitial Kidney Disease

11:10 – 11:20

Discussion

Anthony J. Bleyer, U.S.A.

11:20 – 11:50

Disaster Nephrology

11:50 – 12:00

Discussion

Mustafa Arici, Turkey

12:00 – 12:50

Lunch

Moderator:

Peter Stenvinkel, Sweden

12:50 – 13:20

News in Diabetic Nephrology

13:20 – 13:30

Discussion

Eberhard Ritz, Germany

13:30 – 14:00

Genetics of Diabetic Kidney Disease and Essential Hypertension

14:00 – 14:10

Discussion

Barry I Freedman, U.S.A.

14:10 – 14:40 **Genetics of Non-Diabetic Kidney Disease**
14:40 – 14:50 Discussion
Barry I Freedman, U.S.A.

14:50 – 15:20 **Coffee Break**

Moderator: Barry I Freedman, U.S.A.

15:20 – 15:50 **Renal Renin-Angiotensin System**
15:50 – 16:00 Discussion
János Peti-Peterdi, U.S.A.

16:00 – 16:30 **Visualization of Kidney Tissue Regeneration**
16:30 – 16:40 Discussion
János Peti-Peterdi, U.S.A.

12TH INTERNATIONAL SYMPOSIUM ON WINE AND HEALTH in conjunction with the 21st Budapest Nephrology School

16:40 – 17:10 **Effects of Alcohol and Wine on Health**
17:10 – 17:20 Discussion
Eberhard Ritz, Germany

**18:30 – 22:00 Elaboration and Presentation of Hungarian Wines
Symposium Dinner**

18:30 – 18:40 **Presidential Greetings**
László Rosivall, Hungary

18:40 – 19:10 **Elaboration and Presentation of Hungarian Wines**
Ernő Péter Botos, Hungary

19:10 – 22:00 **Dinner**
Special Hungarian Dishes
Selected Quality Wines from the Best Known Hungarian Cellars

AUGUST 27 (Wednesday)

Moderator: Csaba P. Kövesdy, U.S.A.

09:00 – 09:30 **Circadian Oscillation in the Kidney**
09:30 – 09:40 Discussion
Krisztina Mészáros, Eberhard Ritz, Germany

09:40 – 10:10 **Tubular Transport**
10:10 – 10:20 Discussion
János Peti-Peterdi, U.S.A.

10:20 – 10:50 **Tissue Sodium in Normotensive individuals and Hypertensive Patients**
10:50 – 11:00 Discussion
Jens Titze, Germany, U.S.A.

11:00 – 11:30 **Coffee Break**

Moderator: Mustafa Arici, Turkey

11:30 – 12:00 **Lymph, Guts and Hypertension-Hypothesis?!**

12:00 – 12:10 Discussion
Jens Titze, Germany, U.S.A.

12:10 – 12:40 **Chronic Kidney Disease – A Clinical Condition of Premature Aging**

12:40 – 12:50 Discussion
Peter Stenvinkel, Sweden

12:50 – 13:40 **Lunch**

Moderator: Marc E. De Broe, Belgium

13:40 – 14:10 **Forefront Studies Concerning Aldosterone and CKD**

14:10 – 14:20 Discussion
Eberhard Ritz, Germany

14:20 – 14:50 **FGF23: An update for Clinicians**

14:50 – 15:00 Discussion
Csaba P. Kövesdy, U.S.A.

15:00 – 15:30 **Coffee Break**

Moderator: Ágnes Haris, Hungary

15:30 – 16:00 **Renal Pharmacology**

16:00 – 16:10 Discussion
Marc E. De Broe, Belgium

16:10 – 16:40 **My Most Interesting Cases**

16:40 – 16:50 Discussion
Presented by Members of the Faculty

16:50 – 17:20 **Buffet**

17:20 – 18:10 Visit of the Historical Building of the Semmelweis University

20:00 – 21:00 ORGAN CONCERT

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

AUGUST 28 (Thursday)

Moderator: Andrzej Wiecek, Poland

09:00 – 09:30 **Estimation and Measurement of GFR, Past, Present and Future**

09:30 – 09:40 Discussion
Mustafa Arici, Turkey

09:40 – 10:10 **Nephrotoxicity**

10:10 – 10:20 Discussion
Marc E. De Broe, Belgium

10:20 – 10:50 **The Kidney in Heart Failure**

10:50 – 11:00 Discussion
Sadayosi Ito, Japan

11:00 – 11:30 **Coffee Break**

Moderator: Miklós Zs. Molnár, U.S.A.

11:30 – 12:00 **The Kidney and Metabolism**

12:00 – 12:10 Discussion
Sadayosi Ito, Japan

12:10 – 12:40 **My Most Interesting Cases**

12:40 – 12:50 Discussion
Presented by of the Participants

12:50 – 13:40 **Lunch**

PSYCHONEPHROLOGY, REHABILITATION

Moderator: Sadayosi Ito, Japan

13:40 – 14:10 **Complex Approach to Patients with CKD**

14:10 – 14:20 Discussion
Ágnes Haris, Kálmán Polner, Hungary

14:20 – 14:50 **Rehabilitation of Patients with CKD, a Hungarian Example**

14:50 – 15:00 Discussion
Kálmán Polner, Ágnes Haris, Hungary

15:00 – 15:30 **Psychonephrology: the Psychosocial Impact of Chronic Kidney Disease**

15:30 – 15:40 Discussion
Márta Novák, Canada, Hungary

15:40 – 16:10 **Coffee Break**

CLINICAL NEPHROLOGY

Moderator: István Mucsi, Canada

16:10 – 16:40 **Regulation of Bioenergetics in PKD and CKD**

16:40 – 16:50 Discussion
Mónika Beck Gööz, U.S.A.

16:50 – 17:20 **Renal Denervation**

17:20 – 17:30 Discussion
Andrzej Wiecek, Poland

17:30 – 18:00 **Buffet**

20:00 – 21:00 BOAT TOUR ON THE DANUBE

AUGUST 29 (Friday)

RENAL REPLACEMENT THERAPY

Moderator: J. Harold Helderman, U.S.A.

08:40 – 09:10 **Dialysis, 2014**

09:10 – 09:20 Discussion
Francesco Locatelli, Italy

- 09:20 – 09:50 **Haemodiafiltration**
 09:50 – 10:00 Discussion
Francesco Locatelli, Italy
- 10:00 – 10:30 **What is Hot in Solid Organ Transplantation?**
 10:30 – 10:40 Discussion
Marcelo Cantarovich, Canada
- 10:40 – 11:10 **Coffee Break**
 Moderator: *Francesco Locatelli, Italy*
- 11:10 – 11:40 **Impact of Recipients' Obesity on the Outcome of Kidney Transplantation**
 11:40 – 11:50 Discussion
Miklós Zs. Molnár, U.S.A.
- 11:50 – 12:20 **Cardiovascular Risk Reduction in Kidney Transplant Recipients**
 12:20 – 12:30 Discussion
István Mucsi, Canada, Hungary
- 12:30 – 13:00 **Polyoma Virus Infection**
 13:00 – 13:10 Discussion
J. Harold Helderman, U.S.A.
- 13:10 – 13:40 **AKI and CKD in Liver Transplantation**
 13:40 – 13:50 Discussion
Marcelo Cantarovich, Canada
 Moderator: *Marcelo Cantarovich, Canada*
- 13:50 – 14:20 **"Meet the Professors" - Discuss Your Own Questions with the Professors**
- 14:20 – 15:00 **Lunch**
- 15:00 – 19:00 SIGHTSEEING TOUR, PARLIAMENT VISIT**

AUGUST 30 (Saturday)

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

CLINICAL NEPHROLOGY

- Moderator: *Gerald Schulman, U.S.A.*
- 09:00 – 09:30 **Clinical Approach to Polycystic Kidney Disease**
 09:30 – 09:40 Discussion
György Reusz, Hungary
- 09:40 – 10:10 **Hyponatremia**
 10:10 – 10:20 Discussion
Kamyar Kalantar-Zadeh, U.S.A.
- 10:20 – 10:50 **Role Lowering Phosphorus**
 10:50 – 11:00 Discussion
Kamyar Kalantar-Zadeh, U.S.A.

- 11:00 – 11:30 **Coffee Break**
- Moderator: Christopher Chan, Canada*
- 11:30 – 12:00 **Atypical HUS - a Disorder of Complement Regulation**
 12:00 – 12:10 Discussion
Giuseppe Remuzzi, Italy
- 12:10 – 12:40 **Dialysis and Renal Transplantation: Where are we Coming from and What we Would Like (Possibly) to Achieve?**
 12:40 – 12:50 Discussion
Giuseppe Remuzzi, Italy
- 12:50 – 13:40 **Lunch**
- Moderator: Kamyar Kalantar-Zadeh, U.S.A.*
- 13:40 – 14:10 **Pulmonary Hypertension in Patients with CKD/Dialysis**
 14:10 – 14:20 Discussion
Gerald Schulman, U.S.A.
- 14:20 – 14:50 **Live Kidney Transplantation and Barrier to Kidney Donation**
 14:50 – 15:00 Discussion
Simin Goral, U.S.A.
- 15:00 – 15:30 **Hepatitis C in Transplantation**
 15:30 – 15:40 Discussion
Simin Goral, U.S.A.
- 15:40 – 16:10 **Coffee Break**
- Moderator: Simin Goral, U.S.A.*
- 16:10 – 16:40 **Present and Future of Home Dialysis**
 16:40 – 16:50 Discussion
Cristopher Chan, Canada
- 16:50 – 17:20 **Determinants of Training and Technique Failure in Home Hemodialysis**
 17:20 – 17:30 Discussion
Cristopher Chan, Canada

POSTER SESSION

Moderators: Cristopher Chan, Canada, Simin Goral, U.S.A.

17:30 – 18:30 **Discussion with Wine**

18:30 – 20:00 FAREWELL RECEPTION

AUGUST 31 (Sunday)

RENAL PATHOLOGY

Moderator: Zoltán Máthé, Hungary

07:40 – 08:10 **Expanding Spectrum of Diseases Associated with Plasma Cell Dyscrasias**
 08:10 – 08:20 Discussion
Eva Honsova, Czech Republic

08:20 – 08:50 **Renal Pathology-Transplantation**

08:50 – 09:00 Discussion

Eva Honsova, Czech Republic

09:00 – 09:30 **Pathology Quiz**

09:30 – 09:40 Discussion

Tibor Tóth, Hungary

09:40 – 10:10 **Coffee Break**

EXAMINATION

10:10 – 11:10 **Test**

11:10 – 12:40 **Machine Perfusion: New Perspectives in Kidney Transplantation**

12:40 – 12:50 Discussion

Zoltán Máthé, Hungary

12:50 – 13:50 **Lunch**

CONCLUDING REMARKS

13:50 – 14:10 *László Rosivall, Hungary*