

GENERAL INFORMATION

OFFICIAL LANGUAGE: English.

VENUE: Fiera Congress Center, Via dell'oreficeria, Vicenza - Italy

DATE: September 30 - October 2, 2010
The conference will be given CME credits by the Italian Ministry of Health and the European Community.

REGISTRATION: The deadline for registration is September 15, 2010. The registration fee is 240 Euro (€ 200 + vat) and includes: congress material + attendance to sessions. Registration fee after September 15 or on-site registration will be 340 Euro (€ 300 + vat).

REFUND: Until September 15 half of the registration fee will be refunded. No refunds will be made after this date. All cancellations must be in writing and may be faxed to 0039 0444 753949.

TRANSPORTATION: Vicenza does not have an airport. However, several daily connections are available from Milano, Venice, Verona and Rome. Venice and Verona airports are located 45 minutes from Vicenza.

HOTEL ACCOMMODATION: The course secretariat will not organize hotel accommodation for delegates, but a complete list of hotels with directions for direct reservation is provided along with the registration form in the web site of the congress.

ABSTRACT SUBMISSION: Please submit your abstract using Microsoft Word format on one A4 page using Times New Roman font 14 for the title, names and affiliation (only title in bold) and 12 for the body of the text. Abstract will be printed as it is.

Submit abstracts to
info@vicenzanephrocourses.com

Deadline: July 15 2010

President of the Conference

Prof. Claudio Ronco

Director of the Department of
Nephrology Dialysis and
Transplantation

International Renal Research
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Department of Nephrology
International Renal Research Institute
Vicenza - Italy

**World Conference
on
portable-wearable
and miniaturized
systems for
dialysis and
ultrafiltration
and**

**3rd Annual
Congress of
International
Society for
Hemodialysis**



Vicenza (Italy)

September 30 October 2, 2010

www.vicenzanephrocourses.com

World Conference on portable-wearable & miniaturized systems for Dialysis and Ultrafiltration

September 30

SESSION 1: Portability, Wearability and Miniaturization: the way to the future

Chairmen: V. Gura - D. Falkenhagen

15.00 Why looking for Portability, Wearability and Miniaturization? *L. Annemans*

15.30 The promise of Nanotechnology and Nanomedicine *W. Fissell*

16.00 Membraneless dialysis: lessons from microfluidics *E. Leonards*

16.30 Use of nanostructured microparticles in extracorporeal adsorption therapy offers high potential for miniaturization *D. Falkenhagen*

17.00 Discussion

17.20 Break

Opening Ceremony

Introduction to the conference and the ISHD annual congress *C. Ronco – M. Mishra*

18.00 Lecture: A journey through the evolution of the Artificial Kidney *C. Ronco*

18.45 Int. "Vicenza-ISHD" Award for Dialysis Technology presented to H.D. Polaschegg *M. Mishra*

19.00 Welcome Reception

October 1

SESSION 2: Basic concepts for portability, wearability and miniaturization

Chairmen: C. Ronco – N. Hoenich

8.30 What is required for a WAK? *H.D. Polaschegg*

9.00 Guidelines to Design a Forearm WAK *A.J. Landé*

9.30 WAK requires an adequate vascular access *T.B.A*

10.00 What type of dialyzer and performance do we need? *N. Hoenich*

10.30 Discussion

11.00 Coffee Break

SESSION 3: Rationale for WAK

Chairmen: E. Leonards - A. Davenport

11.30 Clinical benefits of WAK: wearable means continuous therapy *R. Lindsay*

12.00 Social benefits of WAK: wearable means ambulatory (out of hospital) therapy *R. Greenwood*

12.30 Benefits of WUF for heart failure *C. Ronco*

13.00 Discussion

13:15 Lunch

SESSION 4: POSTER VIEWING

Chairmen: R. Lindsay – R. Greenwood

14.30 Delegates and presentors discuss in the poster area. Discussion is guided by chairmen

SESSION 5: Evolution of wearable devices

Chairmen: H.D. Polaschegg – B. Canaud

15.30 Historical attempts *H.D. Polaschegg*

15.50 The Technical evolution of WAK *V. Gura*

16.10 The first trial in Vicenza with the WUF *C. Ronco*

16.30 The trial in London: from WUF to WAK *A. Davenport*

SESSION 6: Round Table

17.00 Is there a future for the wearable artificial kidney? What will be the most important issues, barriers, targets? *Faculty members*

18.00 Adjourn

October 2

SESSION 6: Projects and applications of wearable technology

Chairmen: N. Hoenich – M. Mishra

8.30 WAK: is peritoneal dialysis the solution? *M. Roberts*

9.00 The CARPEDIEM Project *C. Ronco*

9.30 First Steps towards a Wearable Artificial Lung *G. Matheis*

10.00 The Wakman Project for ambulatory treatment of Heart Failure *C. Ronco*

10.30 Coffee Break

SESSION 7: Future trends

Chairmen: M. Roberts – W. Fissell

11.00 Remote controlling and telemedicine with wearable/portable devices *Tba*

11.20 Antithrombogenic surfaces for continuous performance *Tba*

11.40 Is wearable/portable useful for critical care patients? *Tba*

12.00 Is wearable/portable useful for disaster, military and medvac purposes? *F. Nalesso*

12.20 Is wearable/portable useful for Heart failure patients? *Tba*

12.40 Is wearable/portable dialysis the way of the future? *Tba*

13.00 Discussion

13.25 Closing Remarks *C. Ronco*

13.30 Lunch

Abstracts
welcome

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