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 360 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 Roma. 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 Institute

Vicenza - Italy

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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
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

SESSION 2: Basic concepts for portability, wearability and miniaturization
Chairmen: C. Ronco – N. Hoenich
8.30 What is required for a WAK?
H.D. Polaskegg
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

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. Polaskegg – B. Canaud
15.30 Historical attempts
H.D. Polaskegg
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

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

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