



**16TH INTERNATIONAL
VICENZA COURSE ON
CRITICAL CARE NEPHROLOGY**

*Vicenza, Italy
Congress Center Ente Fiera
May 29 – June 1st, 2007*

Regione Veneto - ULSS 6 - 5 - 4
Department of Nephrology
and Intensive Care Medicine
St. Bortolo Hospital



16TH
INTERNATIONAL VICENZA COURSE
ON
CRITICAL CARE NEPHROLOGY

PRELIMINARY PROGRAM

Vicenza, Italy
Congress Center Ente Fiera
May 29 – June 1st, 2007

www.vicenzanephrocourses.com
www.nefrologiavicenza.it

The Department of Nephrology and Intensive
Care Medicine
of St. Bortolo Hospital - ULSS 6 - Vicenza

welcomes you at the

16th
INTERNATIONAL VICENZA COURSE
ON
CRITICAL CARE NEPHROLOGY

Vicenza – Italy, May 29 - June 1st, 2007

This is a multidisciplinary course sponsored by:

The International Society of Nephrology (ISN)

The European Dialysis and Transplantation Association (EDTA)

The European Society of Intensive Care Medicine (ESICM)

The European Society for Artificial Organs (ESAO)

The International Federation of Kidney Foundation (NKF)

The Italian Society of Anesthesiology and Intensive Care (SIAARTI)

The Italian Society of Nephrology (SIN)

European Dialysis & Transplant Nurses Association/
European Renal Care Association (EDTNA/ERCA)



*The first three International Vicenza Courses on Critical Care Nephrology were held in 1998, 2001 and 2004. We gathered participants from more than 50 different countries. A series of lectures and panel discussions were delivered during the three days of each course. The proceedings were published in a special issue of *Kidney International* for the first case and in special books entitled “Blood Purification in Intensive Care “and” Sepsis, Kidney and Multiple Organ Dysfunction” for the second and third cases. A widespread consensus on the format of the course and the timely publication of the proceedings was recorded from the participants and a remarkably positive feedback was collected from physicians, nurses and members of the industry of the field. For this reason we decided to continue to host this course every three years; sufficient time required in our opinion for a real advancement in technology and scientific knowledge and a sufficient accumulation of new data. Our task is to put together specialists from different disciplines in a single scientific event with a multidisciplinary approach to the critically ill patient with acute renal failure and multiple organ dysfunction. The scientific quality of the course and its multidisciplinary nature are guaranteed by the reputation of the faculty and the endorsement of several international scientific Societies. We really hope that a large number of delegates will join this important event which is becoming a classic appointment for the experts and the physicians who want to receive updated information in the field of Critical Care Nephrology.*

Claudio Ronco

16TH INTERNATIONAL VICENZA COURSE
ON
CRITICAL CARE NEPHROLOGY

Chairperson

Claudio Ronco

General Secretary

Alessandra Brendolan

Event Organizer

Anna Saccardo

Ilaria Balbo

Silvia Fracasso

Local Organizing Committee

Luisa Bragantini

Stefano Chiaramonte

Carlo Crepaldi

Roberto Dell'Aquila

Pierluigi Di Loreto

Daniela Dissegna

Fiorella Gastaldon

Volker Goepel

Massimo Milan

Sabrina Milan Manani

Federico Nalesso

Mariapia Rodighiero

Emilia Spanò

International Scientific Advisors

Rinaldo Bellomo

John Kellum

Ravindra Mehta

FACULTY

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Rinaldo Bellomo

Melbourne - Australia

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Giovanni Camussi

Torino - Italy

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Lausanne - Switzerland

William Clark

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Udine - Italy

Andrew Davenport

London - England

Debecker Wilfried

Leuven - Belgium

Marco Formica

Cuneo - Italy

Roberto Fumagalli

Monza - Italia

Loreto Gesualdo

Foggia - Italia

Flaviano Ghiotto

Vicenza - Italy

Antonio Gullo

Catania - Italy

Victor Gura

Los Angeles - USA

Hiroyuki Hirasawa

Chiba - Japan

Patric Honoré

Belgium

Eric Hoste

Gent - Belgium

Michael Joannidis

Innsbruck - Austria

Didier Journois

Paris - France

Norbert Lameire

Gent - Belgium

Xavier Lerverve

Grenoble - Francia

Nathan W. Levin

New York, NY - USA

John Kellum

Pittsburgh, PA - USA

Ravindra Mehta

San Diego, CA - USA

Bruce A. Molitoris

USA

Federico Nalesso

Vicenza - Italy

**Heleen M Oudemans-Van
Straaten**
Amsterdam - The Netherlands

Steven Opal
Rhode Island - USA

Emil P. Paganini
Cleveland, OH - USA

Didier Payen
Paris - France

Pasquale Piccinni
Vicenza - Italy

Michael R. Pinsky
Pittsburgh, PA - USA

Marco Ranieri
Torino - Italy

Zaccaria Ricci
Roma - Italy

Claudio Ronco
Vicenza - Italy

Antonio Santoro
Bologna - Italy

Miet Schetz
Leuven - Belgium

Mervyn Singer
London - UK

Peter Suter
Geneva - Switzerland

Ashita Tolwani
Birmingham - USA

Wim Van Biesen
Ghent - Belgium

Ray Vanholder
Ghent - Belgium

Jean Louis Vincent
Brussels - Belgium

David G. Warnock
Birmingham, AL - USA

The CCNN Group

The Critical Care Nephrology Nursing Group (CCNN Group) is a team consisting of nurses from St. Bortolo Hospital from different departments including Nephrology, Intensive Care and Cardiac Surgery.

The team has experienced a strict collaboration for the implementation and the conduction of renal replacement therapies in critically ill patients. The multidisciplinary experience allows them to provide a unique message of collaboration among different units (the so called "Vicenza Model") which will be presented in the program of the course.

Il CCNN Group è un team formato da infermieri dell'Ospedale San Bortolo provenienti da diverse Divisioni incluse Nefrologia, Terapia Intensiva e CardioChirurgia.

L'equipe ha acquisito una notevole esperienza nell'implementazione e nella cura delle terapie renali sostitutive nei pazienti critici. Questo approccio multidisciplinare mostra un modo unico di collaborazione tra le diverse unità (chiamato "Modello Vicenza") che sarà presentato nel corso del programma.

SCIENTIFIC PROGRAM

The scientific program has been designed to offer a comprehensive review of the most important issues related to the management and care of the critically ill patient suffering from acute renal failure and multiple organ dysfunction. The course is intended to be a valuable educational occasion for beginners and for the experts in the field matching personal experiences with presentations from leading experts, data from current literature with everyday clinical practice and finally new problems and requirements with the most advanced technological innovations. The industry of the field is in fact considered a partner in this project where a continuous osmosis between clinical requirements and technological advances is mandatory.

The scientific program includes a complete overview of the problems encountered in the daily clinical practice of specialists in the fields of intensive care, nephrology, surgery, cardiology, gastroenterology and pneumology, seen from a multidisciplinary point of view. The problem of acute renal failure in the critically ill patient and all therapeutic possibilities and interventions will be discussed by worldwide specialists of the field. At the same time, multiple organ dysfunction and sepsis will be debated as part of the complex clinical picture of the critically ill patient. New therapeutic options will be discussed and evidence for current practice will be presented. The program is sponsored by several scientific societies and it has been designed under the auspices of the Acute Dialysis Quality Initiative (ADQI). All the presentations will be collected in a formal publication which will allow participants to better follow the presentations and to prepare possible questions and comments in advance. We wish a fruitful course to all participants and we hope to have covered systematically most of the material in the field of critical care nephrology.

May 29

13,00 **Educational Module on CRRT**

(Satellite Symposium sponsored by Edwards Life Sciences)

Chairperson: H.M. OUDEMANS-VAN STRAATEN

13,00	Basic principles of CRRT	<i>C. RONCO</i>
13,25	AKI and CRRT prescription	<i>P. HONORÉ</i>
13,50	Clinical aspects of CRRT	<i>D. JOURNOIS</i>
14,15	Discussion	

SESSION 1:

Critical Care Nephrology today

Chairpersons: C. RONCO, N. LEVIN

15,00	Critical Care Nephrology: A multidisciplinary field	<i>J.L. VINCENT</i>
15,30	Acute Renal Failure in the ICU: Classification and epidemiology	<i>J. KELLUM</i>
16,00	The Lung and the Kidney: a perfect team or liaison dangereuse?	<i>M. RANIERI</i>
16,30	The heart and the kidney: reciprocal help or reciprocal damage?	<i>E. PAGANINI</i>
17,00	The Liver and the kidney: mutual clearance or mixed intoxication?	<i>V. ARROYO</i>
17,30	Pathophysiological foundations of ARF in sepsis	<i>R. BELLOMO</i>

SESSION 2:

Opening

Chairperson: C. RONCO

18,30	Critical Care Nephrology from origin to today	<i>C. RONCO</i>
19,00	Int. "Vicenza" Awards for Critical Care Nephrology	<i>R. MEHTA - M. PINSKY</i>
19,15	Concert	
20,00	Welcome Reception	

May 30

SESSION 3:

Epidemiology and Pathogenesis of ARF, Sepsis and MOF

Chairpersons: G. DELLA ROCCA - N. LAMEIRE

- 8,30 Incidence Classification and outcomes of ARF *E. HOSTE*
- 8,50 Incidence Classification and outcomes of Sepsis and MOF *J.L. VINCENT*
- 9,10 Risk Factors for ARF in the ICU
P. PICCINI
- 9,30 Pathophysiology of ARF *J. BONVENTRE*
- 9,50 Pathophysiology of Sepsis and Multiple Organ Failure
M. PINSKY
- 10,10 Discussion
- 10,30 *Coffee Break and Visit to the Exhibition*

SESSION 4:

Diagnosis and evaluation of severity of illness

Chairpersons: M. ANTONELLI – M. PINSKY

- 11,00 Diagnosis of AKI: from classic parameters to new biomarkers *J. BONVENTRE*
- 11,20 New Microscopic imaging techniques for AKI
B. MOLITORIS
- 11,40 Predictive capacity of severity scoring systems in ICU
M. JOANNIDIS
- 12,00 Cytokine Gene Polymorfism: a new predictor of outcome?
J. KELLUM
- 12,20 Determining the degree of immunodysregulation in sepsis
J.M. CAVAILLON
- 12,40 Discussion
- 13,00 *Lunch*

SESSION 5:

Metabolism, Electrolyte and Acid-Base

Chairpersons: R. MEHTA - R. CHIOLERO

- 14,30 Metabolic energy failure in ARF and sepsis *M. SINGER*
- 14,50 Glucose control in the critically ill *R. BELLOMO*
- 15,10 Nutritional management in acute illness and AKI *X. LEVERVE*
- 15,30 Principles of fluid resuscitation and hemodynamic monitoring *M. PINSKY*
- 15,50 Sodium/Potassium Disorders and their management *W. VAN BIESEN*
- 16,10 Anion Gap and acid-base disorders *J. KELLUM*
- 16,30 Discussion
- 16,50 *Coffee Break and Visit to the Exhibition*

SESSION 6:

Drug Management in AKI and Sepsis

Chairpersons: R. FUMAGALLI - R. BELLOMO

- 17,20 Prevention of acute renal failure *R. BELLOMO*
- 17,50 Pharmacological approaches to sepsis and septic shock *R. FUMAGALLI*
- 18,20 Stem Cells in acute kidney injury and sepsis *G. CAMUSSI*
- 18,40 Adjourn

SESSION 5b:
NURSING ISSUES IN ICU

Chairpersons: I. BALDWIN – F. GHIOTTO

- 14,30 How to establish a program of CRRT
W. DE BECKER
- 15,00 How to create a Critical care Nephrology
team *F. GHIOTTO*
- 15,30 How to deal with the evolving technology
in CRRT *CCN NURSING GROUP*
- 16,00 Factors affecting circuit patency and filter
life *I. BALDWIN*
- 16,30 Discussion
- 16,50 *Coffee Break and Visit to the Exhibition*

SESSION 6b:
CRRT MACHINES 1

Chairpersons: I. BALDWIN – F. GHIOTTO

- 17,20 The Diapact Machine
- 17,50 The Lynda Machine and Dedyca Machines
- 18,20 The Acquarius Machine
- 18,40 Adjourn

May 31

SESSION 7:

Practice of Renal Replacement Therapy in the ICU

Chairpersons: A. GULLO - A. DAVENPORT

- 8,20 RRT in the critically ill: when to begin and when to stop *R. MEHTA*
- 8,40 Classic and new techniques of RRT in the ICU *C. RONCO*
- 9,00 Vascular Access for HD and CRRT *M. SCHETZ*
- 9,20 Membranes, and operational characteristics of RRT *W. CLARK*
- 9,40 Dialysate and replacement fluid composition for RRT *L. GESUALDO*
- 10,00 Anticoagulation during extracorporeal therapies *A. DAVENPORT*
- 10,20 Discussion
- 10,40 *Coffee Break and Visit to the Exhibition*

SESSION 8:

Controversy: Which Treatment for ARF in ICU?

Chairpersons: R. BELLOMO - D. PAYEN

- 11,10 Intermittent is the best *W. VAN BIESEN*
- 11,30 Continuous is the best *C. RONCO*
- 11,50 Extended Daily Dialysis (SLEDD) is the best *A. TOLWANI*
- 12,10 Discussion
- 12,30 **Lecture:** The role of ISN Disaster Relief Task Force *R. VANHOLDER*

SESSION 9:

Extracorporeal Blood therapies

Chairpersons: W. VAN BIESEN - P. SUTER

- 14,30 Principles of fluid balance in AKI and RRT *R. MEHTA*
- 14,50 Extracorporeal blood therapies in Congestive heart Failure *E. PAGANINI*
- 15,10 The central nervous system in AKI and RRT *A. DAVENPORT*
- 15,30 Immunomodulation by Extracorporeal therapies *C. RONCO*
- 15,50 Discussion
- 16,10 *Coffee Break and Visit to the Exhibition*

SESSION 10:

Update on Diagnostic Tools

Chairpersons: P. HONORÉ - H. HIRASAWA

- 16,40 Urine abnormality in AKI and sepsis: how much information? *R. BELLOMO*
- 17,00 Endotoxin and cytokine bedside test *S. OPAL*
- 17,20 Information Technology for CRRT and Dose delivery calculator *Z. RICCI*
- 17,50 Discussion
- 18,10 Adjourn

SESSION 9b:

CRRT MACHINES 2

Chairpersons: I. BALDWIN - F. GHIOTTO

- 14,30 The Multifiltrate Machine
- 15,00 The Prisma-Prismaflex Machine
- 15,30 The CHF solutions machine
- 16,00 Discussion
- 16,10 *Coffee Break and Visit to the Exhibition*

SESSION 10b: CRRT TECHNOLOGY and Logistics

Chairperson: E. PAGANINI

- 16,40 Results from International Questionnaires
Z. RICCI
- 17,00 Is there a role for a medical emergency
team in CRRT *P. HONORÉ*
- 17,20 Is there a need for a nurse emergency
team for CRRT? *I. BALDWIN*
- 17,40 Debate: CRRT who should be in
charge?**
Chairpersons E. Paganini
- a) The nephrology team *W. VAN BIESEN*
- b) The ICU team *M. SCHETZ*
- c) Both teams *P. HONORÉ*
- 18,10 Adjourn

June 1

SESSION 11:

Blood and Plasma Treatments

Chairpersons: D. WARNOCK - R. BELLOMO

- 8,00 High Volume Hemofiltration *P. HONORÉ*
8,20 High Cut Off Membranes *R. BELLOMO*
8,40 Sorbent in AKI and sepsis: from bench to bedside *C. RONCO*
9,00 CVVHDF with cytokine adsorbing hemofilter in the treatment of severe sepsis and septic shock *H. HIRASAWA*
9,20 Couple Plasmafiltration Adsorption *M. FORMICA*
9,40 Albumin dialysis and PFAD *F. NALESSO*
10,00 Liver support systems *A. SANTORO*
10,20 The RAD system *E. PAGANINI*
10,40 The Wearable Artificial Kidney *V. GURA*

11,00 Coffee Break

Session 12:

CCN: Results from trials and metanalyses

Chairpersons: D. PAYEN - J. KELLUM

- 11,30 The French Trials *D. PAYEN*
11,50 From Best Kidney to ATN and RENAL trials *R. BELLOMO*
12,10 The DO RE MI *C. RONCO*
12,30 Toraymixin Metanalysis *D. CRUZ*
12,50 Discussion
13,10 Closing *C. RONCO*
13,15 **Farewell Party**

General Information

LANGUAGE: The official language is English. Simultaneous translation English-Italian-English will be provided.

VENUE: The Course will be held at the Congress Center of ENTE FIERA, Via dell'Oreficeria, 36100 Vicenza (Italy), on May 29 - June 1st, 2007.

REGISTRATION: The deadline for registration is May 10, 2007. The registration fee is **800 EURO** and includes: congress kit, proceedings, attendance to scientific sessions, coffee breaks, meals during the course. Registration after May 10 and on-site registration will be subject to space availability and the registration fee will be **960 EURO**. For payment by credit card, please visit our web site www.vicenzanephrocourses.com.

For information please contact:

**dr. Anna Saccardo, STUDIO SACCARDO,
Secretariat of the 16th International Vicenza Course
on Critical Care Nephrology**

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tel/fax +39 444 753949

Administrative Secretary: New Progress Service s.r.l.

Viale Trieste, 29/c - Vicenza

Tel. +39 0444 502849 - Fax +39 0444 515824

TRANSPORTATION: Vicenza is a small city not provided with airport. However, several daily connections are available from Milano, Venice, Verona and Rome. Venice and Verona airports are located 45 minutes from Vicenza. During the course, shuttle buses will be provided from Congress Center to selected hotels.

HOTEL ACCOMODATION: The course secretariat will not organize hotel accomodation for delegates. At the end of this brochure there is a complete list of available hotels directions for reservation. Selected hotels will be served by a bus transfer to and from the congress center.

CLIMATE: In May and June the weather in Vicenza is generally mild and sunny with occasional showers. The average temperature is 32°C max and 20°C min.

The course is incorporated in the Continuous Medical Education program and will be given CME credits by the Italian Ministry of Health and the European Union

**List of the Hotel agreeded with the
16TH INTERNATIONAL VICENZA COURSE
ON CRITICAL CARE NEPHROLOGY**

Stars	Hotel	<u>e-mail</u>	<u>notice</u>
4 sup.	Hotel De La Ville Viale Verona - Vicenza Tel. +39 444 549049 Fax +39 444 569183	reservation@delaville.boscolo.com	Served by bus transfer
4	Jolly Hotel Tiepolo Viale San Lazzaro Vicenza Tel. +39 444 954011 Fax +39 444 966111	vicenza_tiepolo@jollyhotels.it	Served by bus transfer
	Hotel Europa S.S. Padana v/VR Vicenza Tel. +39 444 564111 Fax +39 444 564382	europa@sogliahotels.com	Served by bus transfer
	Hotel Alfa Via dell'Oreficeria Vicenza Tel. +39 444 565455 Fax +39 444 566027	info@alfahotel.it	150 mt. from the Congress Center (Transfer to gala diner)
	Hotel Da Porto Viale del Sole - Vicenza Tel. +39 444 964848 Fax +39 444 964851	info@hoteldaporto.com	Served by bus transfer
	Quality Inn Viest S.S. Pelosa - Vicenza Tel. +39 444 582677 Fax +39 444 582434	booking@viest.it	Served by bus transfer
3 sup.	Hotel Tre Torri Altavilla Vicentina (VI) Tel. 0444 572411 Fax 0444 572609	info@hotelretorri.it	Served by bus transfer
3	Hotel Piramidi Torri di Q.lo (VI) Tel. +39 444 267466 Fax +39 444 267455	info@hotelpiramidi.com	Near a big shopping mall, and the Warner Village Cinema Served by bus transfer

VERY IMPORTANT
We accept only participants
with the registration form duly filled in

16th INTERNATIONAL
VICENZA COURSE ON
CRITICAL CARE NEPHROLOGY

REGISTRATION FORM

DEADLINE: May 10, 2007

Name _____

Surname _____

Address _____

Affiliation _____

I'm: Nephrologist Intensivist Cardiologist
Surgeon Nurse

City _____

Country _____

Tel. _____

Fax _____

E-mail _____

Fiscal code _____

Invoice to:

I herewith enclose a copy of Bank Transfer of:

800 € (within May 10th 2007)

960 € (after May 10th 2007)

**REGISTRATION FORMS DULY COMPILED WITHOUT COPY
OF BANK TRANSFER WILL NOT BE ACCEPTED.**

The total amount for registration has been paid to:

**NEW PROGRESS SERVICE s.r.l.
Banca Intesa BCI - AmbroVeneto
Filiale di Porta Padova, 51/53 - Vicenza
Account n. 10020/66**

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