August 15 - 16, 2014

Chicago Marriott O’Hare

8535 West Higgins Road
Chicago, Illinois 60631
USA

Dear Course Attendees:

We are delighted to have you join us for Hemodialysis University®!

The ISHD™ considers education in the field of hemodialysis one of its primary missions. The international faculty invited to the 2014 Hemodialysis University® (HDU) course have presented a great deal of cutting edge material, some of it as yet unpublished. The course material also includes home hemodialysis, as the ISHD has from the outset been particularly interested in home therapies.

The information presented in this course regarding the use of bioimpedance and dialysis temperature, home hemodialysis, sorbents, venous catheters, and anemia treatment optimization will have direct relevance to your day-to-day practice. Also, clinicians who have been thinking of starting a home hemodialysis program but who have been holding back should find HDU a good source of network and contacts, where you can discuss practical issues with your peers.

Welcome to Chicago!

Sincerely,

Madhukar Misra, MD
John T. Daugirdas, MD
Course Directors
ABOUT ISHD

The International Society for Hemodialysis (ISHD) was formed in 1999 by an international group of nephrologists who believed that the science and clinical practice of hemodialysis was being overlooked by the other major societies and journals in favor of molecular biology and other basic science-focused research endeavors. Their vision was to develop a society and journal focused primarily on the practice of clinical hemodialysis.

The ISHD journal, Hemodialysis International, has grown from a single issue to five issues per year, with plans for supplements targeted at specific issues related to hemodialysis. Over the past few years, the journal has grown in readership worldwide, and has been accepted into the Index Medicus.

CLINICAL SOLUTIONS FOR DIALYSIS CARE

GENERAL INFORMATION

COURSE DIRECTORS

John T. Daugirdas, MD, FACP, FASN
Clinical Professor of Medicine
University of Illinois at Chicago School of Medicine
Chicago, Illinois

Madhukar Misra, MD, FRCP(UK), FASN
Professor of Medicine, Division of Nephrology
University of Missouri School of Medicine
Health Sciences Center
Columbia, Missouri

PROGRAM PROVIDERS

This activity is jointly provided by the International Society for Hemodialysis (ISHD) and Medical Education Resources (MER).

TARGET AUDIENCE

The conference is designed for health professionals involved in dialysis programs, primarily nephrologists, nephrology fellows, nephrology nurses and nurse practitioners, and patient care technicians.

CONFERENCE GOALS

This conference will focus on clinically important problems in dialysis, including home hemodialysis (prescription and delivery), complexities of anemia management, pathogenesis and implications of newly recognized unique complications of hemodialysis, and the value of reporting and analysis of patient reported outcomes in improving quality of hemodialysis.

COURSE OBJECTIVES

- HOME HEMODIALYSIS: Describe methods used to select and train patients for home hemodialysis, manage vascular access, home modification for home hemodialysis, equipment maintenance, remote monitoring, adequacy, and patient safety.
- ANEMIA: Discuss best practices regarding management of anemia in hemodialysis patients including indications for transfusions, hemoglobin targets, iron use, and anemia management algorithms.
- Assess how to recognize the “DARK SIDE OF HEMODIALYSIS”, i.e. hemodialysis complications like myocardial and brain stunning, individualized dialysate temperature and cool dialysate.
- Evaluate ANALYTICAL TECHNIQUES for reporting patient reported outcomes.

LOCATION

Chicago Marriott O’Hare
8535 West Higgins Road, Chicago, Illinois 60631 USA
CLINICAL SOLUTIONS FOR DIALYSIS CARE
CONTINUING EDUCATION

Hemodialysis University® is an educational activity of the International Society for Hemodialysis™ (ISHD).

Presented by The International Society for Hemodialysis™ (ISHD) in partnership with Medical Education Resources (MER).

CONTINUING EDUCATION
Medical Education Resources (MER) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation
Medical Education Resources (MER) designates this live activity for a maximum of 12.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Credit
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Medical Education Resources (MER) and the International Society for Hemodialysis (ISHD). MER is accredited by the ACCME to provide continuing medical education for physicians.

Nursing Credit
Medical Education Resources is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

This CE activity provides 12 contact hours of continuing nursing education.

Medical Education Resources is a provider of continuing nursing education by the California Board of Registered Nursing, Provider #12299, for 12 contact hours.

Technician Credit
The Planning Committee has applied to NANT for provision of credit hours for technicians.

ABOUT HDU
The ISHD’s most ambitious effort has been to create an ISHD Hemodialysis University®, HDU, where clinical nephrologists can obtain the most up-to-date training and information regarding convective therapies, quotidian dialysis, and other state-of-the-art therapies.

The first HDU was launched in Chicago in 2012. Key topics presented included Mineral Bone Disorder: Vitamin D and Calcimimetics, Sodium and Volume Control and Mitigation of Cardiovascular Risk, and Home Hemodialysis.

After the success of HDU in Chicago in 2012, successive HDUs were held in Shanghai and India in September 2013 and February 2014 respectively.
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PROGRAM AGENDA

11:30 AM REGISTRATION

12:20 PM INTRODUCTION

12:30 PM LEFT VENTRICULAR HYPERTROPHY AND INTRADIALYSIS HYPOTENSION

Speaker: Christopher T. Chan, MD

1:15 PM INTRADIALYSIS HYPOTENSION, DIALYSIS CARDIOMYOPATHY (STUNNING) AND DIALYSATE TEMPERATURE

Speaker: Chris McIntyre, MBBS, DM

2:00 PM BREAK

OPTIMAL VOLUME MANAGEMENT

2:30 PM HYPERTENSION, HYPOTENSION AND MORE FREQUENT DIALYSIS

Speaker: Peter Kotanko, MD

3:00 PM BIOIMPEDANCE AS A PRACTICAL TOOL TO ASSIST IN OPTIMAL VOLUME MANAGEMENT

Speakers: James Tattersall, MBBS, MRCP, MD and Elizabeth Lindley, PhD

4:15 PM Q&A

4:30 PM NETWORKING RECEPTION

HOME HEMODIALYSIS

6:00 PM GLOBAL HOME HD TOOLKIT ON THE WEB

Speaker: Christopher T. Chan, MD

6:30 PM BURNING ISSUES AND CHALLENGES WITH HOME HEMODIALYSIS

Speaker: Brent Miller, MD

7:00 PM BREAK

7:30 PM SHARED CARE: A NATURAL STEPPING STONE TOWARD HOME HD

Speaker: Elizabeth Lindley, PhD

8:00 PM A NEW MODEL OF HOME DIALYSIS CARE UNITS

Speaker: William Whittier, MD, FASN

8:30 PM HOME DIALYSIS: Q & A

9:00 PM DAY 1 ADJOURNS
7:00 AM  CONTINENTAL BREAKFAST

WATER TREATMENT and PATIENT SAFETY

8:00 AM  REVIVAL OF SORBENT DIALYSIS  
Speaker: Jose Diaz-Buxo, MD, FACP

8:30 AM  PATIENT SAFETY IN THE DIALYSIS UNIT: IMPLEMENTING A PRACTICAL PLAN TO MITIGATE RISK  
Speaker: Glenda Payne, MS, RN, CNN

9:00 AM  BREAK

VENOUS CATHETERS and PATIENT REPORTED OUTCOMES

9:30 AM  TEMPORARY HEMODIALYSIS CATHETERS: RECENT ADVANCES  
Speaker: Ted Clark, MD

10:15 AM  MANAGEMENT OF INFECTED VENOUS DIALYSIS CATHETERS–2014 UPDATE  
Speaker: Michele Mokrzycki, MD, MS

11:00 AM  CATHETER Q&A

11:30 AM  THE POWER OF COLLECTING AND ANALYZING PATIENT REPORTED OUTCOMES  
Speaker: Chris McIntyre, MBBS, DM

12:00PM  NETWORKING LUNCH

NEW FINDINGS REGARDING ANEMIA

1:00 PM  OVERVIEW OF ANEMIA MANAGEMENT IN 2014  
Speaker: Daniel Coyne, MD

1:30 PM  SMART PROGRAMS FOR ANEMIA MANAGEMENT AND PRACTICAL TIPS FROM THE UK  
Speaker: James Tattersall, MBBS, MRCP, MD

2:00 PM  SMART ANEMIA MANAGEMENT USING INTELLIGENT SYSTEMS  
Speaker: Peter Kotanko, MD

2:30 PM  BREAK

3:00 PM  ANEMIA AND INTENSIVE DIALYSIS THERAPIES (FREQUENT HOME HD, HEMODIAFILTRATION, PERMEABLE MEMBRANES)  
Speaker: John Daugirdas, MD, FACP, FASN

3:30 PM  NOVEL METHODS OF PROVIDING IRON: NEW P BINDERS AND IRON ADDED TO THE DIALYSATE  
Speaker: Daniel Coyne, MD

4:00 PM  CONFERENCE CLOSING REMARKS AND ADJOURNMENT
Hemodialysis University®

CLINICAL SOLUTIONS FOR DIALYSIS CARE

FACULTY

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Current ACCME (Accreditation Council for Continuing Medical Education) rules state that participants in CME activities should be made aware of any affiliation or financial interest that may affect the planning of a conference or a speaker's presentation(s). Each planning committee member and speaker has completed a conflict of interest statement for Hemodialysis University®, and those statements follow:

The following planning committee members/speakers have disclosed the following Conflict of Interest:

- Christopher T. Chan, MD, receives consulting fees from Baxter Global and Intelomed.
- Edward (Ted) Clark, MD, receives a salary from Nephrology Physicians of Ottawa.
- Daniel Coyne, MD, receives grants/research support from Hospira, Celgene, and Deltanoid; consulting fees from Fresenius, Rockwell, and Keryx; and is on the speakers’ bureau for Fresenius Pharma and Abbvie.
- John T. Daugirdas, MD, FACP, FASN, is a consultant for Baxter, Fresenius Medical Care, Gambro, B. Braun, and Novaflex. He is a stockholder with ZS Pharma.
- Jose Diaz-Buxo, MD, FACP, receives consulting fees as an advisor for Fresenius Medical Care.
- Peter Kotanko, MD, owns stock in Fresenius Medical Care, and receives a salary from Renal Research Institute. Dr. Kotanko holds patents in the field of dialysis.
- Chris McIntyre, MBBS, DM, receives grants/research support from Baxter and Fresenius, and consulting fees from Baxter, Fresenius, Braun, Sanofi, and Astra Zeneca.
- Brent Miller, MD receives grants/research support from NxStage Medical; consulting fees from Fresenius Medical and NxStage Medical; a salary from Washington University; and is a shareholder in Fresenius Medical Care.
- Madhukar Misra, MD, FRCPE (UK), FASN receives royalties/is a patent holder for Up To Date Inc.
- Michele Mokrzycki, MD, MS receives consulting fees as a Clinical Events Committee Member for Medtronic.
- Glenda Payne, MS, RN, CNN, receives consulting fees from Keryx.
- James Tattersall, MBBS, MRCP, MD receives consulting fees from Johnson & Johnson, and a salary from Mediqal Health Informatics Limited.
- William Whittier, MD, FASN, receives a salary as Medical Director for NxStage Kidney Care.

The following planning committee member/speaker reports that they have no financial relationships to disclose:

- Elizabeth Lindley, PhD

MER Content Managers have no relevant financial relationships to disclose.
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2012 Chicago

2013 Buenos Aires, Argentina

2014 Okinawa, Japan

2014 Hyderabad, India

2014 Shanghai, China

2015 Kuala Lumpur, Malaysia
Membership in the International Society for Hemodialysis is open to any individual who is interested in the field of hemodialysis. Patients, patients' relatives, technologists, technicians, social workers, dietitians, administrators, sales experts, nurses, scientists, journalists, physicians, industrialists, and philanthropists are all welcome.

Your membership will:
1. Improve your knowledge and skills in hemodialysis by means of our publications, conferences, and internet communications.
2. Subscribe you to the official journal of ISHD, Hemodialysis International, and other publications of our Society.
4. Provide you with the privilege to compete for awards and scholarships sponsored by our Society.

ISHD Membership includes a subscription to the official journal Hemodialysis International, including access to all available back files for as long as the membership is maintained, a $10 discount to the Annual Dialysis Conference, as well as a number of other benefits.

JOIN ISHD!

Visit http://www.ishd.org

Click the “Join ISHD Now” link and follow the on-screen instructions.