International Course in Contrast Enhanced Ultrasound

Hepatic and Extrahepatic Indications

Pre-Course: October 31\textsuperscript{th} 2018

CEUS Course: November, 1\textsuperscript{st} – 3\textsuperscript{rd} 2018

Course fees:
Standard fee will be 500 €

To register visit: www.CEUS-course.eu
www.ceuscampus.de
International Course in Contrast Enhanced Ultrasound
Hepatic and Extrahepatic Indications

Course Directors: HP Weskott and DA Clevert

Pre-Course: October 31\textsuperscript{th} 2018

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Munich – Germany

Interdisciplinary Ultrasound-Center, Department of Clinical Radiology

University of Munich-Großhadern Campus, Munich, Germany
Dear colleagues,
Never before has a new technique changed the field of ultrasound in such a revolutionary way like the use of ultrasound contrast media. The International CEUS Course is aiming at two goals: Understanding the basics of CEUS, US machines and settings and secondly deepening the understanding the benefit of using contrast agents in hepatic and extrahepatic diseases.
A renowned national and international faculty, well known for their extensive experience and contributions in CEUS, will give the participants a wealth of practical knowledge that can be used immediately in their practice. Didactic lectures covering all the primary applications and the latest scientific research will be reinforced with hands-on training or interactive case reviews during the workshops.
During this course there will be again time for individual training on the US machines and to work on clinical cases – from easy to difficult ones to interpret. Additionally representatives from the industry will inform you on the pre-course day you about latest and future technical developments, followed by hands on sessions on the latest US devices.
We hope you will benefit from attending this course -a European School project- which again is supported by the EFSUMB.
We wish you a successful educational course and a joyful stay in Munich

Dr. Hans-Peter Weskott
Course Director

Prof. Dr. Dirk-André Clevert
Course Director
Pre – Course:

Afternoon Session: Chair: HP Weskott

14:00 - 16:35: CEUS: Latest technical developments

14:00 - 14:30: Bracco
14:30 - 14:55: Canon Medical Systems
14:55 - 15:20: SuperSonic Imaging
15:20 - 15:45: Samsung
15:45 - 16:10: Philips
16:10 - 16:35: Hitachi Medical Systems
16:35 - 17:00: GE Healthcare
17:00 - 17:25: Siemens-Healthineers
14:00 – 18:00: Contrast Agent, US Equipment, technical introductions, workshops
Course:

Morning Session:

08:00-09:00: Registration

09:00-09:05: Welcome address

09:05-09:25: Bubbles and how to talk to them

09:25-09:40: Adverse reactions

09:40-09:55: What to do, if...

09:55-10:05: Discussion

10:05-10:20: Kinetics: Liver, Lung

10:20-10:30: Kinetics: Kidneys

10:30-10:35: Discussion

10:35-10:50: Coffee break

Chair: DA Clevert

Weskott / Clevert

Burns

Greis

Stock

Weskott

Stock
Morning Session: Chair: DA Clevert

10:50-11:05: How to start my first examination and documentation Clevert

11:05-11:35: Benign FLL Weskott

11:35-11:55: Liver metastases Sidhu

11:55-12:05: Discussion

12:05-12:45: Interactive liver quiz Clevert

12:45-13:45: Lunch
Afternoon Session: Chair: S Wilson

13:45-14:30: WORKSHOPS
14:30-14:50: Diffuse liver disease Weskott
14:50-15:10: Parasites of the liver Weiss
15:10-15:40: ICC, HCC and LI-RADS Wilson
15:40-16:00: CEUS in liver interventions: RFA, Microwave, IRE Leen
16:00-16:20: TACE and combined ablation treatment of liver lesions Clevert
16:20-16:40: Current Status and Prospects of Liver CEUS in Korea Lee
16:40-16:55: Gallbladder disease Weskott
16:55-17:00: Discussion

17:00-17:15: Coffee break

17:15-17:30: Parametric imaging, basic principles Greis
17:30-17:55: DCE for early evaluation of anti angiogenic treatment Lassau
17:55-18:15: CEUS and trauma Sidhu
18:15-18:35: CEUS in active bleeding, detection and treatment Clevert

19:30: Social Dinner
Morning Session: Chair: K Stock

09:00-09:20: Update EFSUMB Guidelines and Recommendations for the clinical practice of CEUS in Non-Hepatic Applications  
Sidhu

09:20-09:40: Solid renal lesions  
Stock

09:40-10:00: Cystic renal lesions  
Clevert

10:00-10:05: Discussion

10:05-10:20: Infectious diseases  
Weskott

10:20-10:40: CEUS in renal interventions  
Clevert

10:40-11:00: CEUS and transplant kidney  
Stock

11:00-11:20: Coffee break

11:20-11:45: Solid pancreatic masses  
D`Onofrio

11:45-12:15: Cystic pancreatic masses  
D`Onofrio

12:15-12:35: Acute and chronic pancreatitis  
Pachmann

12:35-12:55: IRE and pancreatic interventions  
Leen

12:55-13:00: Discussion

13:00-14:00: Lunch
Afternoon Session: Chair: C. Pachmann

14:00-14:30: WORKSHOP (The battle in liver lesions)
14:30-14:55: CEUS in prostate cancer NN
14:55-15:15: CEUS and testicle Sidhu
15:15-15:45: Thyroid Cantisani
15:45-16:05: Breast NN
16:05-16:20: Discussion

16:20-16:35: Coffee break

16:35-16:55: CEUS- Carotid artery Clevert
16:55-17:20: Aorta, EVAR, Endoleaks Clevert
17:20-17:40: CEUS of the peripheral vessels, what's new? Richter
17:40-18:00: Vessel wall: Examinations techniques, neovascularisation Feinstein
18:00-18:05: Discussion

18:05-18:45: WORKSHOP
# More Extra-hepatic Indications

## Morning Session:  
Chair: HP Weskott

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<th>Time</th>
<th>Topic</th>
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<td>CEUS in splenic diseases</td>
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<td>Discussion</td>
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<td>09:35-10:00</td>
<td>Microvascularisation and new examinations techniques</td>
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<td>10:05-10:30</td>
<td>CEUS in lung consolidations</td>
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<td>CEUS in children</td>
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<td>Lymph nodes</td>
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<td>11:40-12:00</td>
<td>Plane wave US and new CA: What to expect in future?</td>
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<td>Discussion</td>
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<td>12:30-13:00</td>
<td>Final interactive quiz</td>
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Course Directors

Dr. Hans-Peter Weskott
KRH Klinikum Siloah-Oststadt-Heidehaus, Hannover, Germany

and

Prof. Dr. Dirk-André Clevert
Interdisciplinary Ultrasound-Center, Department of Clinical Radiology
University of Munich-Großhadern Campus, Munich, Germany
**Prof. Dr. Vito Cantisani**  
Sapienza University of Rome, Department of Radiological, Roma, Italy

**Prof. Dr. Steve Feinstein**  
Cardiology Department, Rush University, Chicago, USA

**Prof. Dr. Eddy Leen**  
Imperial College, London, England

**Prof. Dr. Mirko D`Onofrio**  
Institute of Radiology, GB Rossi Hospital, University of Verona. Verona, Italy

**Prof. Dr. Paul Sidhu**  
Department of Radiology, King’s College London, UK

**Ass. Prof. Dr. Konrad Stock**  
Klinikum rechts der Isar der TU München, Abt. für Nephrologie, II. Med. Klinik, Germany

**Prof. Dr. Stephanie Wilson**  
Department of Radiology, Calgary, Canada
Prof. Dr. Peter Burns
Sunnybrook Health Sciences Centre, Toronto, Canada

Dr. med. Wolfgang Blank
Medizinischen Klinik I, Kreiskliniken Reutlingen GmbH

Dr. Doris Franke
Children’s Department, Medical School Hannover, Germany

Dr. Christian Greis
Bracco Company, Konstanz, Germany

Prof. Dr. Natalie Lassau
Service d'echographie, Departement d'imagerie, Institut Gustave-Roussy, Villejuif Cedex, France
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Dr. Christian Richter, Oberfeldarzt
Gefäßzentrum der Bundeswehr, Klinik für Innere Medizin, Bundeswehrkrankenhaus Ulm, Germany

Dr. Daniel Weiss
Leit. Arzt Medizinische Klinik, Infektiologie und Med. Ultraschall, Switzerland
General Information

Meeting Venue
Ludwig Maximilians University Munich
Hospital Großhadern, G12 (Conference Room)
Marchioninistrasse 15
D-81377 Munich, Germany

Airport / Train

Munich's public transport infrastructure is one of the most efficient in the world. The closest airport is Munich Airport, located at 45 kilometres from the venue. Thanks to numerous continental and intercontinental destinations, guests from around the world can reach the Bavarian capital by direct flight. When arriving at the airport, you can take the public transportation to the conference. You will find the suburban train (S-Bahn) lines S1 and S8 directly below the central area of the Munich Airport. Depending on the route you choose, the ride from the airport to Meeting Venue takes between 45 and 60 minutes. Transport by taxi directly to the Hospital costs about 75 Euro.
Documents and badges
The congress documents should be collected on site at the registration desk. Name badges must be worn at all time during the course.

Language
The official language will be English. No simultaneous translation will be provided.

Refreshment breaks and lunches
Coffee breaks and lunches are included in the registration fee.

Registration fees
Registration fee will be 500 Euro and includes:

• Administration to all lectures and hands on sessions
• Access to the commercial exhibition
• All refreshment breaks and lunches during the congress
• Entrance to the Social Dinner on Thursday
• Registration does not include accommodation
Note: The number of participants is limited. The registration fee will increase by 100 Euro after August the 30th and 150 Euro by onsite registration.

Payment method
Payment will be made by bank transfer to Prof. Dr. D.-A. Clevert
Deutsche Bank 24 Berlin
Bank account: CEUS COURSE
IBAN DE 05 100 700 240 922219101
Swift DEUT DE DBBER

Cancellation policy
All cancellations must be notified in writing to the Organizing Secretary. Refunds will be processed after the course. Requests or refunds after the course will not be considered.
Meeting / Organizing secretary
CEUS COURSE
Hospital Großhadern
Marchioninistrasse 15
D-81377 Munich
Tel.: +49-173 3637322, Fax: +49- 89 / 44007-8832
Contact: Dirk.Clevert@med.uni-muenchen.de

Where to stay
A wide range of accommodation will be available for your selection. All hotels are located within a reasonable distance from the conference, with good transport links across the city.

Recommended hotels:
Hotel Neumayer, Heiglhofstr. 18, 81377 Munich, Tel.: +49-89/741144-0
Hotel am Klinikum, Würmtalstr. 99, 81375 Munich, Tel.: +49-89/125930-0
Hotel Thalmaier, Heiglhofstr. 3, 81377 Munich, Tel.: +49-89/741163-0

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31st – October – 3rd Nov. 2018

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