Pre-Course: October 23rd 2019
CEUS Course: October, 24th – 26th 2019
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 23rd 2019

CEUS Course: November, 24th – 26th 2019

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:  

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

14:00 - 14:20: Christian Greis, Bracco
14:20 - 14:35: Wesam Ibrahim, Canon Medical Systems
14:35 - 14:50: Pascal Dardelin, SuperSonic Imaging
14:50 - 15:05: Wim Van de Vooren, Samsung
15:05 - 15:20: T. M. Rane, Philips
15:20 - 15:35: Anne-Laure Jet, Hitachi Medical Systems
15:35 - 15:50: Sofia Peniche Maria, Mindray
15:50 - 16:05: Jens Heimann, GE Healthcare
16:05 - 16:20: Marie-Louise Kosmus, Siemens-Healthineers
16:20 - 16:35: Dr. Walaa Khaled, Esaote

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  
  Weskott / Clevert

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

09:25-09:40: Adverse reactions  
  Greis

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

09:55-10:05: Discussion

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

10:20-10:30: Kinetics: Kidneys  
  Stock

10:30-10:35: Discussion

10:35-10:50: Coffee break
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
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:45-14:30: WORKSHOPS</td>
<td></td>
<td></td>
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<tr>
<td>14:30-14:50: Diffuse liver disease</td>
<td></td>
<td>Weskott</td>
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<td>14:50-15:10: Parasites of the liver</td>
<td></td>
<td>Weiss</td>
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<td>15:10-15:40: ICC, HCC and LI-RADS</td>
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<td>Wilson</td>
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<td>15:40-16:00: CEUS in liver interventions: RFA, Microwave, IRE</td>
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<td>Leen</td>
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<td>16:00-16:20: TACE and combined ablation treatment of liver lesions</td>
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<td>Clevert</td>
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<td>16:20-16:40: Current Status and Prospects of Liver CEUS in Korea</td>
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<td>Lee</td>
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<td>16:40-16:55: Gallbladder disease</td>
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<td>Weskott</td>
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<td>16:55-17:00: Discussion</td>
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<td>17:00-17:15: Coffee break</td>
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<td>17:15-17:30: Parametric imaging, basic principles</td>
<td></td>
<td>Greis</td>
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<td>17:30-17:55: DCE for early evaluation of anti angiogenic treatment</td>
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<td>Lassau</td>
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<tr>
<td>17:55-18:15: CEUS and trauma</td>
<td></td>
<td>Sidhu</td>
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<td>18:15-18:35: CEUS in active bleeding, detection and treatment</td>
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<td>Clevert</td>
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<td>19:30: Social Dinner</td>
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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 renal diseases
   Weskott

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

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

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

12:55-13:15: Contrast enhanced Ultrasound in gastric cancer
   Huang

13:15-13:20: Discussion

13:20-14:20: Lunch
Afternoon Session:  
Chair: C. Pachmann

14:00-14:30: WORKSHOP (Interactive quiz of liver lesions)
14:30-14:55: CEUS in prostate cancer  
Fischer
14:55-15:15: CEUS and testicle  
Sidhu
15:15-15:45: Lymph nodes  
Weskott
15:45-16:05: CEUS in children  
Franke
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: Vessel wall: Examinations techniques, neovascularisation  
Feinstein
17:40-18:00: Therapeutic effect of angiogenesis inhibitor Endostar on carotid plaques  
Huang
18:00-18:05: Discussion

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

Morning Session:  

09:00-09:35: CEUS in splenic diseases  
Sidhu

09:35-09:40: Discussion

09:40-10:15: Interaction between cavitation microbubbles and cells  
Huang

10:15-10:20: Discussion

10:20-10:50: Thyroid  
Cantisani

10:50-11:20: Sonoporation gene therapy— an option in future?  
Feinstein

Burns

11:50-12:00: Discussion

12:00-12:30: Coffee break

12:30-13:00: Final interactive quiz  
Clevert

13:00: Adjourn
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

Prof. Dr. Thom Fischer

Interdisciplinary Ultrasound-Center, Department of Radiology, Charité-University Berlin, Germany

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

Prof. Dr. Jae Young Lee
Seoul National University Hospital, Korea

Dr. Carsten Pachmann
Internistenpraxis-Osterstrasse, Hamburg, Germany

Prof Dr. Pitong Huang
The Second Affiliated Hospital of Zhejiang, University of Medicine Hangzhou, China

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 20th 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.

**Sponsoring:** The meeting will be support with approximately 5.000,– Euro by the following companies: Bracco, GE Healthcare, Canon Medical Systems, Hitachi Medical System, Philips Healthcare, Samsung, Siemens Healthineers, Mindray, Supersonic, Carestream
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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23rd October – 26th October 2019

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