

International Course in Contrast Enhanced Ultrasound

Hepatic and Extrahepatic Indications



★ **Pre-Course: October 14th 2020**

★ **CEUS Course: October, 15th – 17th 2020**

★ **Course fees:**

★ Standard fee will be 550 €

★ **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 14th 2020

CEUS Course: October, 15th – 17th 2020

Munich – Germany

Interdisciplinary Ultrasound-Center, Department of Clinical Radiology

University of Munich-Großhadern Campus, Munich, Germany



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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 - 14:25: Christian Greis, Bracco
- 14:25 - 14:50: , Canon Medical Systems
- 14:50 - 15:15: , Samsung
- 15:15 - 15:50: , Philips
- 15:50 - 16:15: , Hitachi Medical Systems
- 16:15 - 16:40: , Mindray
- 16:40 - 17:05: , GE Healthcare
- 17:05 - 17:30: , Siemens
- 17:30 - 17:55: , Esaote

14:00 – 18:00: Contrast Agent, US Equipment, technical introductions, workshops

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Course:

Course:

Morning Session:

Chair: DA Clevert

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: The future developments of bubbles

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

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Course:

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

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Course:

Afternoon Session:

Chair: S Wilson

13:45-14:30: WORKSHOPS

14:30-14:50: Diffuse liver disease	Weskott
14:50-15:10: Development of liver abscesses	Kunze
15:10-15:40: HCC and LI-RADS	Wilson
15:40-16:00: ICC	Wilson
16:00-16:20: Consensus statements and Recommendations of Sonazoid CEUS	Lee
16:20-16:40: CEUS in liver interventions: RFA, Microwave, IRE	Leen
16:40-16:55: TACE and combined ablation treatment of liver lesions	Clevert
16:55-17:00: Discussion	
17:00-17:15: Coffee break	
17:15-17:30: Gallbladder disease	Weskot
17:30-17:55: Parametric imaging, basic principles	Greis
17:55-18:15: DCE for early evaluation of anti angiogenic treatment	Lassau
18:15-18:35: CEUS and trauma	Sidhu
19:30: Social Dinner	

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Course:

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	

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Course:

Afternoon Session:

Chair: C. Pachmann

14:20-14:45: **WORKSHOP**

14:45-15:05: CEUS in prostate cancer

Fischer

15:05-15:25: CEUS and testicle

Sidhu

15:25-15:45: Lymph nodes

Weskott

15:45-16:05: CEUS in pregnant women

Clevert

16:05-16:20: Discussion

16:20-16:35: Coffee break

16:35-17:00: CEUS - Carotid artery

Clevert

17:00-17:40: Aorta, EVAR, Endoleaks

Clevert

17:40-18:00: Updates on CEUS for management and evaluation
of carotid plaque

Huang

18:00-18:10: Discussion

18:10-18:45: WORKSHOP

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Course:

More Extra-hepatic Indications

Morning Session:

Chair: HP Weskott

09:00-09:30: CEUS in splenic diseases

Sidhu

09:30-09:40: Discussion

09:40-10:00: Thyroid

Cantisani

10:00-10:15: Parathyroid gland

Jung

10:15-10:45: Role of ultrasound guided radiofrequency ablation

for thyroid nodule treatment

Radzina

10:45-11:00: Discussion

11:00-11:30: Plane wave US and new CA: What to expect in future? **Burns**

11:30-11:45: Discussion

11:45-12:00: Coffee break

12:00-13:00: Final interactive quiz

Clevert

13:00: Adjourn

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Workshops:

15.10.2020

13:45-14:30: WORKSHOPS

1. Tips and Tricks
2. CEUS in evaluation of the bowel

Weskott

Wilson

16.10.2020

14:20-14:45: WORKSHOP

1. Interactive quiz of liver lesions
2. CEUS in renal diseases (case study)

Clevert

Stock

18:10-18:45: WORKSHOP

1. Clinical cases from Riga
2. Vascular cases

Radzina

Cantisani

Workshops:

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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

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Faculty Board

Prof. Dr. Vito Cantisani

Sapienza University of Rome, Department of Radiological, Roma, Italy

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

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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. Christian Greis

Bracco Company, Konstanz, Germany

Prof. Dr. Michael Jung

Interdisciplinary Ultrasound-Center, Department of Radiology, University of Regensburg, Germany

Speakers

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Speakers

Prof. Dr. Pintong Huang

The Second Affiliated Hospital of Zhejiang, University of Medicine Hangzhou, China

Dr. George Kunze

Schwarzwald-Baar Klinikum, Villingen-Schwenningen, 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. Maija Radzina,

Riga Stradins University, Latvia

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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 550 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

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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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