

International Course in Contrast Enhanced Ultrasound

Hepatic and Extrahepatic Indications



Pre-Course: October 19th 2022

CEUS Course: October, 20th – 22th 2022

Course fees:

Standard fee will be 600 €

Online Course fee will be 300 €

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 19th 2022

CEUS Course: October, 20th – 22th 2022

Munich – Germany

Interdisciplinary Ultrasound-Center, Department of Clinical Radiology

University of Munich-Großhadern Campus, Munich, Germany



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Announcement

Given the current circumstances due to the spread of the novel coronavirus disease (COVID-19) including travel restrictions put in place by many countries which will last for an unknown time frame also beyond this crisis, the International CEUS Course in Munich, is planned to go ahead as a hybrid course. We are currently developing a solution to hold this course on-line and life in Munich. Lecturers who are unable to travel will present their lectures online. Additionally, we work to have an online Life Webinar meeting so that we could share our course worldwide.

For the life course a complex hygiene concept was developed consisting of marked seats with a minimum distance to the nearest person. The 2G rule will be implemented in the course, persons who recovered from COVID or fully vaccinated persons are admitted to the course. Additionally, mobile disinfection will be provided all day long.

During this course there will again be time for your questions and comments. Additionally, on the pre-course day representatives from the industry will inform you about latest and technical developments to come.

We hope you will benefit from attending this course and we wish you a successful educational course and a joyful stay in Munich.

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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 for your daily practice. 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 time again for an individual training on the US machines and to work on clinical cases – from easy to difficult ones to interpret. During the pre-course day representatives from the industry will inform you about latest and future technical developments. The pre-course day will end 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 (European Federation of Societies for Ultrasound in Medicine and Biology).

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: | | Bracco |
| 14:25 - 14:50: | , | Canon Medical Systems |
| 14:50 - 15:15: | , | Samsung |
| 15:15 - 15:50: | , | Philips |
| 15:50 - 16:15: | , | FUJIFILM Healthcare / Hitachi Medical Systems |
| 16:15 - 16:40: | , | Mindray |
| 16:40 - 17:05: | , | Siemens |
| 17:05 - 17:30: | , | Esaote |
| 17:30 - 17:55: | , | GE |
| 14:00 – 18:00: | | Contrast Agent, US Equipment, technical introductions, workshops |

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1st Day

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: Discussion

09:55-10:30: Kinetics: Liver, Lung, Spleen, Kidney

Weskott

10:30-10:35: Discussion

10:35-10:50: Coffee break

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Course:

Morning Session:

Chair: DA Clevert

10:50-11:10: How to start my first examination

and documentation and what to do, if...

Clevert

11:10-11:40: Benign FLL

Weskott

11:40-12:00: Liver metastases

Sidhu

12:00-12:10: Discussion

12:10-12:45: Interactive liver quiz

Clevert

12:45-13:45: Lunch

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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, ICC and LI-RADS **Wilson**

15:40-16:00: LI-RADS Quiz **Kono**

16:00-16:20: Sonazoid: Recommendations & Consensus statements. **Lee**

16:20-16:35: CEUS in pregnant women **Clevert**

16:35-16:55: CEUS in liver interventions: RFA, Microwave, IRE **Leen**

16:55-17:00: Discussion

17:00-17:15: Coffee break

17:15-17:35: Gallbladder disease **Weskott**

17:35-18:00: CEUS in splenic diseases **Sidhu**

18:00-18:20: CEUS and trauma **Clevert**

18:20-18:30: Discussion

19:30: Social Dinner

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2nd Day 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 pancreatic masses **D`Onofrio**

09:40-10:00: Cystic pancreatic masses **D`Onofrio**

10:00-10:05: Discussion

10:05-10:20: Acute and chronic pancreatitis **Pachmann/Weskott**

10:20-10:40: IRE and pancreatic interventions **Leen**

10:40-11:00: Contrast enhanced Ultrasound in gastric cancer **Huang**

11:00-11:20: Coffee break

11:20-11:45: Cystic renal lesions **Clevert**

11:45-12:15: Solid renal lesions **Stock**

12:15-12:35: Infectious renal diseases **Weskott**

12:35-12:55: CEUS in renal interventions **Clevert**

12:55-13:15: Ultrasound diagnosis of vesicoureteral reflux **Darge**

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 and Transplant Kidney

Fischer

15:05-15:25: CEUS and Transplant Liver

Clevert

15:25-16:05: CEUS in Paediatric and Transplantation

Franke

16:05-16:20: Discussion

16:20-16:35: Coffee break

16:35-17:20: CEUS - Carotid artery, Aorta, EVAR

Clevert

17:20-17:40: Vessel wall: Examinations techniques, neovascularisation

Feinstein

17:40-18:00: Vascular bleeding detected by CEUS

Clevert

18:00-18:10: Discussion

18:10-18:45: WORKSHOP

3rd Day More Extra-hepatic Indications

Morning Session:

Chair: HP Weskott

09:00-11:30: Europe meets China

Live

09:00-09:40: **Plaque Vascularization**

**Huang
Clevert**

09:40-09:50: Discussion

09:50-10:30: **Education**

Liver CEUS in China: the recent progress and future directions

Xu

Sidhu

10:30-10:40: Discussion

10:40-11:20: **Basic Thyroid and AI thyroid ultrasound**

**Cantisani
Wang**

11:20-11:30: Discussion

11:30-11:50: Coffee break

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3rd Day More Extra-hepatic Indications

Morning Session:

Chair: HP Weskott

11:50-12:10: Role of ultrasound guided radiofrequency ablation

for thyroid nodule treatment

Radzina

12:10-13:20: The future of ultrasound

12:10-12:30: Sonoporation gene therapy– an option in future?

Feinstein

12:30-12:50: Plane wave US and new CA: What to expect in future?

Burns

12:50-13:05: Toy or tool, AI in ultrasound

Clevert

13:05-13:20: Discussion and **Adjourn**

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Workshops:

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13:45-14:30: WORKSHOPS

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

Weskott

Wilson

21th October 2022

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. 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

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Speakers

Prof. Dr. Peter Burns

Sunnybrook Health Sciences Centre, Toronto, Canada

Prof. Dr. Kassa Darge

Department of Radiology at Children's Hospital of Philadelphia, USA

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. Yuko Kono

Clinical Professor of Medicine, Gastroenterology and Hepatology, Radiology

University of California San Diego

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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. Jae Young Lee

Seoul National University Hospital, Korea

Dr. Carsten Pachmann

Internistenpraxis-Osterstrasse, Hamburg, Germany

Prof. Dr. Maija Radzina

Riga Stradins University, Latvia

Prof. Dr. Lei Wang

Department of Gastrointestinal Surgery, The Affiliated Hospital of Qingdao University, China

Prof. Dr. Hui-Xiong Xu

Center of Minimally Invasive Treatment for Tumor, Department of Medical Ultrasound, Shanghai Tenth People's Hospital, School of Medicine, Tongji University, Shanghai, China

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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 95 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 Munich / Online

Online Course fee will be 300 €

Registration fee will be 600 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 being present in the lecture room 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.

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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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