

11.40 - 11.55 am	EUS-guided biliary drainages: gadget or benefit? (<i>Jenssen</i>)
11.55 - 12.10 pm	Pitfalls in interventional ultrasound (<i>Faculty</i>)
12.10 - 12.30 pm	The urinary system: Nephrostomy and bladder fistula (<i>Lorentzen</i>)
12.30 - 1.00 pm Chair: NN	Round table: Experience and Evidence: best practice in US-guided drainage (best drainage type, lock or not lock, how to fix: Thread-lock, Harzmann-Disc, Suture; best diameter, inside/ outside/ both, suction, flushing, ...) (<i>Faculty</i>)
1.00 - 1.45 pm	<i>Lunchtime</i>
Locally ablative therapies Chairs: Lorentzen, Ybinger	
1.45 - 2.00 pm	Basic principles of ethanol, heat and cold and HIFU... (<i>Ybinger</i>)
2.00 - 2.15 pm	Unresectable liver tumours: what can we do and how? (<i>Lorentzen</i>)
2.15 - 2.35 pm	Cyst therapy by ethanol or what else? (<i>Sparchez</i>)
2.35 - 2.50 pm	Thyroid nodules in patients not eligible for surgery – how about alcohol? (<i>Müller</i>)
2.50 - 4.30 pm	HOT 3: Drainage placement, vascular access, locally ablative therapies Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection methods (<i>Manufacturers, Companies</i>)
4.30 - 4.50 pm	<i>Coffee and tea break</i>
Pitfalls: Lessons learnt from what went wrong Chairs: Jenssen, Sparchez	
4.50 - 5.50 pm	Case presentations and discussion (<i>Faculty and Participants</i>)
5.50 - 6.00 pm	Closing words and certificates (<i>Müller, Jenssen</i>)
6.00 pm	<i>End of Euroson School 2022</i>

International Faculty

Dr. med. Georg Bauer, Strausberg/ Wriezen, Germany
 Prof. Dr. Christian Jenssen, Strausberg/ Wriezen, Germany
 Dr. med. Horst Kinkel, Düren, Germany
 Torben Lorentzen MD PhD, Copenhagen, Denmark
 Dr. med. Thomas Müller, Wiesbaden, Germany
 Prof. Dr. med. Dieter Nürnberg, Neuruppin, Germany
 Prof. Dr. Zeno Sparchez, Cluj Napoca, Romania
 Dr. med. Matthias Wüstner, Trier, Germany
 Dr. med. Thomas Ybinger, Vienna, Austria
 Dr. med. Krisztina Zels, Königs Wusterhausen, Germany

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General Information

Venue

Hotel Aquino and Congress Centre of the Catholic Academy
 Hannoversche Str. 5B, 10115 Berlin

www.hotel-aquino.de

Congress Language

English

Attendance Fee

450€ incl. VAT. Attendance fee includes EFSUMB and DEGUM certificates.
 Breaks are covered by the organiser. A social event will be organized.
 Accommodation has to be organized by the participants.

Organisation and Registration

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Certification

CME credits will be awarded by Landesärztekammer Berlin.
 The Euroson school is approved as DEGUM-Modul Interventional US I & II by the German Society for Ultrasound in Medicine (DEGUM).

The course will be held under up-to-date infection control requirements. All participants (audience and faculty) must present a valid SARS-CoV2 vaccination certificate, or a medical statement of previous Covid19 disease. Presumably, in addition a daily negative SARS-CoV2 test will be mandatory (test can be provided by the organiser).



6th Euroson-School

Interventional Ultrasound

April 4th - April 6th 2022
 Berlin



Campus ACADEMY



2022-03-22

Euroson School Interventional Ultrasound Berlin
April 4th - 6th 2022

The Berlin Euroson School on Interventional Ultra-
sound was founded by Dieter Nürnberg and Klaus
Schlotttmann under the patronage of the Berlin-
Brandenburg Ultrasound Society in 2010 and has
since been well established in the European Inter-
ventional US community. The 6th Euroson-School
2022 offers you a well-balanced mixture of lectures
and hands on training in almost all fields of sonogra-
phically guided interventions. Round table discus-
sions and controversial sessions will help to offer an
interesting and vivid learning ambience. European
experts invite you to expand your knowledge and
improve your skills – experienced sonographers are
as welcome as “interventional novices”.

Our Euroson school includes seven hours of
hands-on training and interactive discussion.
Sophisticated phantoms (biopsy, drainage, ablation)
and ultrasound machines from handheld devices to
high-end machines will be provided.
Program will start at 4 p.m. on Monday, 4th April.
Certificates will be handed out on Wednesday, 6th
April, at 6 p.m.

We are looking forward to a lively, instructive and
inspiring Euroson School and invite you to join us in
Berlin in April 2022.

Prof. Dr. Christian Jenssen, Dr. Thomas Müller
Course Organisers

Monday, 4th April 2022

3.00 pm	Registration
4.00 pm	Welcome (<i>Jenssen, Müller</i>)
Basics Chairs: Müller, Jenssen	
4.15 - 4.35 pm	Principles of needle guidance: in plane / out of plane freehand / biopsy attachment / puncture probe (<i>Müller</i>)
4.35 - 4.55 pm	Needle types: Principles and function Full core (Biopince), Side notch (TruCut), Vacuum (Menghini), other principles Access: Directly vs. coaxial technique (<i>Wüstner</i>)
4.55 - 6.55 pm	HOT 1: Material: Needle types, drainages, in plane / out of plane technique (<i>Faculty</i>) Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection methods (<i>Manufacturers, Companies</i>)
6.55 pm	End of first day

Tuesday, 5th April 2022

US-guided biopsy: conditions for diagnostic success Chairs: Nürnberg, Lorentzen	
8.30 - 8.50 am	Difficult access: Targeting & needle guidance by CEUS, fusion & needle tracking (<i>Wüstner</i>)
8.50 - 9.10 am	CNB or FNA? Histology or cytology? What is needed when? (<i>Jenssen</i>)
Conditions for a safe biopsy/ intervention Chairs: Nürnberg, Lorentzen	
9.10 - 9.30 am	Coagulation status and prevention of bleeding complications (<i>Jenssen</i>)
9.30 - 9.50 am	Infection prevention (<i>Müller</i>)
9.50 - 10.05 am	Sedation or local anaesthesia or nothing at all? (<i>Kinkel</i>)
10.05 - 10.25 am	Tumour seeding: a real risk? (<i>Lorentzen</i>)

10.25 - 11.00 am Chair: Ybinger	Round table: Experience and Evidence: best practice in US-guided biopsy Kinkel, Lorentzen, Jenssen, Nürnberg, Zels
11.00 - 11.20 am	Coffee and tea break
Biopsies of particular tissues I Chairs: Sparchez, Wüstner	
11.20 - 11.40 am	Lymph nodes: biopsy or extirpation? (<i>Nürnberg</i>) Pathologists comment (<i>Zels</i>)
11.40 - 12.00 am	Focal Liver Lesions: Which to puncture? (<i>Kinkel</i>) Pathologists comment (<i>Zels</i>)
12.00 - 12.20 pm	Diffuse Liver disease: Is biopsy still necessary in times of elastography? (<i>Jenssen</i>) Pathologists comment (<i>Zels</i>)
12.20 - 12.40 pm	Renal cancer: biopsy or primary resection? (<i>Kinkel</i>)
12.40 - 1.00 pm Chair: Lorentzen	Round table: Clinicians and pathologist in dialogue Jenssen, Nürnberg, Ybinger, Zels
1.00 - 1.45 pm	Lunchtime
Biopsies of particular tissues II Chairs: Nürnberg, Ybinger	
1.45 - 2.00 pm	Thyroid: What to puncture and how? (<i>Müller</i>)
2.00 - 2.20 pm	Pancreas: if biopsy at all – always better by EUS? (<i>Jenssen</i>)
2.20 - 2.40 pm	Spleen: really do it? (<i>Müller</i>)
2.40 - 3.00 pm	Lung tumour biopsy: if you can see it... (<i>Müller</i>)

3.00 - 5.00 pm	HOT 2: Biopsy Training. In plane, out of plane, with and without attachment (<i>Faculty</i>) Simultaneously: Exhibition of US machines, interventional materials, attachments, disinfection methods (<i>Manufacturers, Companies</i>) Coffee, tea
5.00 pm	End of second day
7.00 pm	Social Event

Wednesday, 6th April 2022

Drainage placement – Basics Chairs: Bauer, Kinkel	
9.00 - 9.20 am	Types of drainages: which to use when and why? Pigtail drainage, Mushroom drainage, Sump drainage (<i>Wüstner</i>)
9.20 - 9.40 am	How to place a drainage: Seldinger’s way, Trokar technique (<i>Kinkel</i>)
9.40 - 9.55 am	Supportive use of CEUS (<i>Wüstner</i>)
Specific Drainages and i.v. lines Chairs: Sparchez, Kinkel	
9.55 - 10.10 am	Vascular access (<i>Müller</i>)
10.10 - 10.40 am	Optimal treatment of abscesses and empyemas The sonologist’s view (<i>Sparchez</i>) Surgeon’s opinion (<i>Bauer</i>)
10.40 - 11.00 am	Coffee and tea break
11.00 - 11.20 am	Acute cholecystitis: is percutaneous drainage an option? (<i>Müller</i>) Surgeon’s comment (<i>Bauer</i>)
11.20 - 11.40 am	PTCD: the percutaneous and the rendezvous approach (<i>NN</i>)