



INTERNATIONAL HEAD AND NECK ULTRASOUND COURSE

Saturday, 24.10.2026 – Sunday, 25.10.2026
at the Hilton Hotel Mainz

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Dear Colleagues,

we are pleased to announce our first **International Head and Neck Ultrasound Course** in Germany, endorsed by the European Federation of Societies for Ultrasound in Medicine and Biology (EFSUMB).

This course is designed in accordance with the **EFSUMB Levels 1 and 2** curriculum and is intended for residents, interns, and specialists from all medical disciplines who perform or wish to learn head and neck ultrasound.

The course provides a structured introduction to head and neck ultrasound, covering the **fundamental principles, examination techniques, normal anatomy, and common pathological findings** required for safe and competent clinical practice.

Participants will benefit from an interdisciplinary faculty of experienced experts and extensive hands-on training on state-of-the-art ultrasound systems. More than 50 % of the course time is dedicated to practical training, with participants working in small groups to ensure intensive supervision and optimal learning conditions.

In addition, **ultrasound-guided interventional techniques** will be practised on dedicated training models (phantoms), allowing participants to gain confidence in basic interventional procedures in a safe and controlled learning environment.

Comprehensive course material, including digital learning resources, will be provided to support a **blended learning approach**, enabling participants to prepare before the course and reinforce their knowledge through self-directed learning afterwards.

The Hilton Hotel Mainz offers excellent catering in an international atmosphere and is located just 30 minutes from Frankfurt Airport.

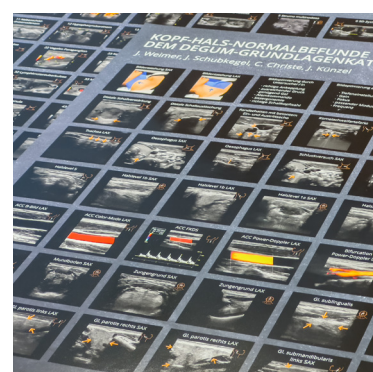
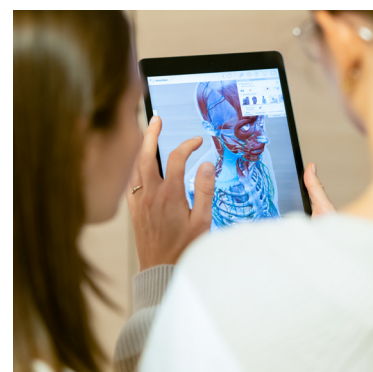
We hope to welcome you in Mainz.



Julian Künzel
MD, Prof
Course Director



Johannes Weimer
MD
Course Organization



To the course you receive comprehensive teaching material (script + digital components).



Course fee: € 990, incl. course catering, comprehensive teaching materials, and digital learning resources. Please note that the number of participants is limited. Registration will be confirmed only after submission of the completed online registration form.



To receive the login link, send an e-mail to info@sonoforklinik.de.

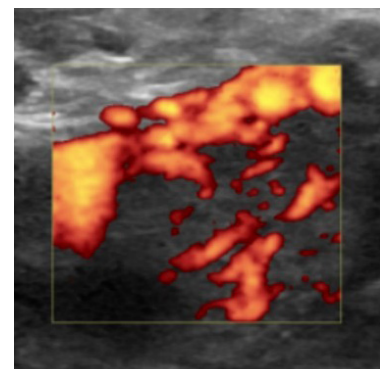
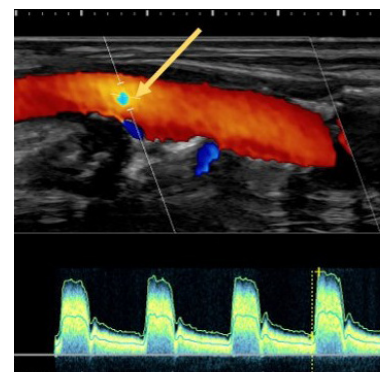
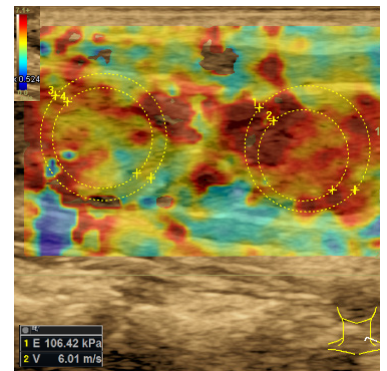
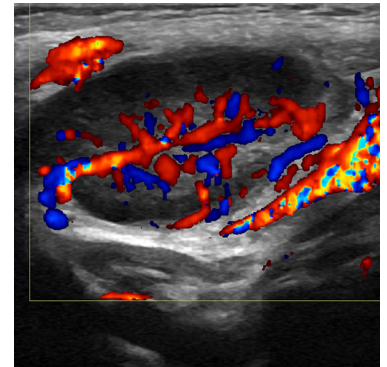
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Blended-Learning – Digital Content

40 min	Module I – Basic Ultrasound Principles (F. Makouei) · Physics, image formation and instrumentation · Knobology and image optimization · Artefacts · Doppler principles · Image acquisition and documentation
60 min	Module II – Systematic Head and Neck Ultrasound (J. Künzel and B. Ernst) · Clinical indications and limitations · Standardized examination protocol · Structured reporting · Normal sonoanatomy
60 min	Module III – Head and Neck Pathology (J. Künzel and R. Fischer) · Common pathologies of the thyroid, salivary glands and neck soft tissues · Differential diagnosis of common head and neck lesions · Thyroid ACR TI-RADS
40 min	Module IV – Interventional Head and Neck Ultrasound (L. Symeou and L. Pillong) Ultrasound-Guided Interventions · Sterile technique and infection prevention · Ultrasound equipment and needle selection · Needle visualization techniques: in-plane and out-of-plane · Freehand versus needle-guide techniques · Fine-needle aspiration (FNA) · Core needle biopsy (CNB) · Complications Radiofrequency Ablation (RFA) · Basic principles of thermal ablation · Physical principles of radiofrequency ablation · Indications and patient selection · Contraindications · Equipment and devices · Trans-isthmic approach · Moving-shot technique



Current speakers:

- **Julian Künzel**, MD, Prof (Regensburg, Germany)
- **Fatemeh Makouei**, Biomedical Engineer, PhD, Assistant Professor (Copenhagen, Denmark)
- **René Fischer**, MD, PhD (Regensburg, Germany)
- **Maximilian Rink**, MD (Regensburg, Germany)
- **Luisa Symeou**, MD (Regensburg, Germany)
- **Benjamin Phillip Ernst**, MD, PhD (Frankfurt, Germany)
- **Lukas Pillong**, MD (Homburg, Germany)

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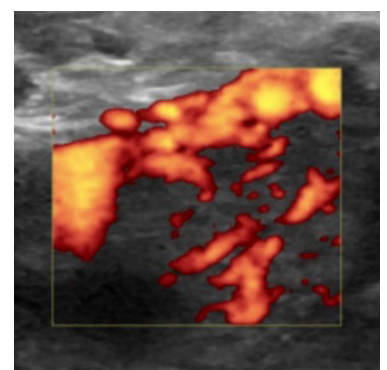
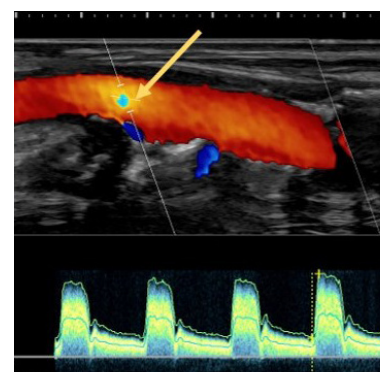
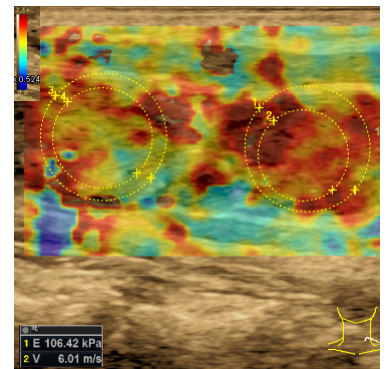
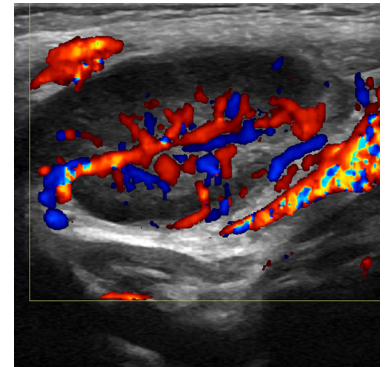


Day 1: Saturday, 24.10.2026

8:30	Registration and Welcome Coffee
9:00	Welcome, Introduction to the Course and Learning Objectives Overview of EFSUMB Level 1+2; Recap of the e-Learning Fundamentals
9:30	Hands-on Session I: "Getting to Know the Ultrasound Machine" Probe handling, image optimization, presets, gain, depth, focus and Doppler basics
10:00	Coffee Break
10:15	Lecture: Systematic Head and Neck Examination Anatomical landmarks of the thyroid gland, salivary glands, cervical lymph node levels, vessels and larynx
10:45	Live Demonstration and Hands-on Session II: Ultrasound-Guided Intervention · Ultrasound-guided interventions incl. RFA, biopsies and phantom training · Indications and procedure selection: FNA vs. core biopsy · Patient preparation and sterile technique · Needle visualization: in-plane vs. out-of-plane approach
12:00	Lunch
13:00	Hands-on Session III · Systematic head and neck ultrasound examination in two orthogonal planes, incl. measurements · Sonoanatomy of the thyroid gland, salivary glands, floor of the mouth, larynx, cervical vessels and lymph node levels, including standard scanning planes and anatomical landmarks · Ultrasound localization of the cricothyroid membrane for emergency front-of-neck access (eFONA) · Color and Power Doppler imaging · Structured image acquisition, documentation and ultrasound reporting
18:30	Day 1 Wrap-up, Discussion and Feedback
18:45	Get together

Day 2: Sunday, 25.10.2026

8:15	Welcome Coffee, Questions and Review
8:30	Lecture: Common Head and Neck Pathologies Differentiation of normal, reactive and malignant lymph nodes
9:00	Coffee Break
9:15	Hands-on Session IV (incl. a 45-minute lunch break) · Complete systematic examination · Pathology cases and TI-RADS quiz with lesion characterization: echogenicity, margins, calcifications, vascularity, cystic vs. solid · Practical competency assessment (DOPS)
15:00	Evaluation and Post-test
15:30	Certificates and Closing



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Directions

By train from Frankfurt Main Station or Frankfurt Airport: Take S8, RE3, RE4, RE14 or many other **regional trains** to reach Mainz Main Station (about 35 min). From there you must take a short walk to the Hilton Hotel Mainz or take the bus line 79, 57, 56, 54, 9, 58 to Mainz Brückenplatz.

If you take the S9 (direction Wiesbaden Main Station) you end at Mainz Kastel and then you need to take a short walk to Theodor-Heuss-Bridge next to the Hilton Hotel Mainz or you take any bus directly at the beginning of the bridge to Mainz Brückenplatz.

By taxi or car: Drive to the address "Hilton Hotel Mainz, Rheinstraße 68, 55116 Mainz"

