

Ultrasonography for the Gastroenterologist

The **UEG Ultrasound Learning Area** promotes the role of a major diagnostic and interventional tool in gastroenterology: clinical ultrasonography in the hands of the gastroenterologist.

This year the Ultrasound Learning Area offers basic and postgraduate courses on ultrasonography, individual hands-on training and special lectures in abdominal ultrasonography. The programme is designed for both young and senior gastroenterologists, with or without experience in ultrasonography, and also for those with interest in the new developments in ultrasound based techniques.

Main topics of the special lectures are Gastrointestinal Ultrasound and Multiparametric Ultrasound in Gastroenterology.

The Ultrasound Learning Area is run in courtesy of EFSUMB and with leading industry partners.

Course Directors:

1. Alina Popescu, Timișoara, Romania
2. Christian Jenssen, Strausberg-Wriezen, Germany

Faculty

3. Dieter Nürnberg, Neuruppin, Germany
4. Ioan Sporea, Timișoara, Romania
5. Roxana Șirli, Timișoara, Romania
6. Thomas Müller, Wiesbaden, Germany
7. Kim Nylund, Bergen, Norway
8. Odd Helge Gilja, Bergen, Norway
9. Adrian Săftoiu, Bucharest, Romania
10. Zeno Spârchez, Cluj Napoca, Romania
11. Maria Nürnberg, Neuruppin, Germany
12. Matthias Wüstner, Trier, Germany
13. Ivica Grgurevic, Zagreb, Croatia
14. Maria Luigia Vaiano, Milan, Italy
15. Matteo Rosselli, Florence, Italy

Saturday, 14 October, 2023

Ultrasonography for the Gastroenterologist

Basic Course - **Part I** - Basics and introduction in abdominal ultrasound examinations

9:00 – 10:30 Session 1

Moderation: Christian Jenssen, Alina Popescu

09:00 – 09:10 Introduction and aims of the course

Christian Jenssen

09:10 – 09:25 The view in the body – examination technique and Sonoanatomy

Alina Popescu

09:25 – 09:40 Abdominal vessels – landmarks

Roxana Şirli

09:40 – 09:50 Abdominal ultrasound examination (tips and tricks) – live demonstration

Christian Jenssen

09:50 – 10:30 Hands-on Training: Focus abdominal vessels

Faculty

10:30 – 11:00 Coffee break

11:00 – 12:30 Session 2

Moderation: Ivica Grgurevic, Ioan Sporea

11:00 – 11:15 Examination of the liver

Ioan Sporea

11:15 – 11:30 Examination of the gall bladder and bile ducts

Matteo Rosselli

11:30 – 11:45 Examination of the pancreas

Christian Jenssen

11:45 – 12:30 Hands-on Training: Focus on liver, biliary system and pancreas

Faculty

12:30 – 13:30 Lunch break

13:30 – 15:00 Session 3

Moderation: Roxana Şirli, Kim Nylund

13:30 – 13:45 How to adjust the ultrasound image and useful artefacts

Christian Jenssen

13:45 – 14:00 Where to check for free fluid and gas in the abdomen?

Alina Popescu

14:00 – 14:15 Are the other abdominal organs important for the gastroenterologist?

How we examine the kidneys, spleen, pelvis

Ivica Grgurevic

14:15 – 14:30 Ultrasound of the thorax – what a gastroenterologist should know

Zeno Spârchez

14:30 – 15:00 Hands-on Training

Faculty

15:00 – 15:30 Coffee break

15:30 – 17:00 Session 4

Moderation: Christian Jenssen, Odd Helge Gilja

15:30 – 15:50 How to access the bowel by ultrasound

Odd Helge Gilja

15:50 – 16:00 Closing remarks for the first day. Certificates.

Alina Popescu, Christian Jenssen

16:00 – 17:00 Hands-on Training

Faculty

Sunday, 15 October, 2023

Ultrasonography for the Gastroenterologist

Advanced Course - **Part II** - Pathology and special topics in abdominal ultrasound examinations

8:00 – 9:30 Session 1: Gallbladder and bile ducts

Moderation: *Dieter Nürnberg, Matthias Wüstner*

08:00 – 08:05 Introduction and aims of the course

08:05 – 08:20 Incidental findings

Thomas Müller

08:20 – 08:35 Obstructive jaundice: levels and causes of obstruction

Roxana Şirli

08:35 – 08:50 Acute biliary diseases

Matthias Wüstner

08:50 – 09:30 Hands-on Training: Gallbladder and biliary system

Faculty

9:30 – 10:00 Coffee break

10:00 – 11:30 Session 2: Pancreas

Moderation: *Adrian Săftoiu, Thomas Müller*

10:00 – 10:15 Acute pancreatitis: US-based algorithm, complications

Christian Jenssen

10:15 – 10:30 Chronic pancreatitis: US and EUS

Maria Nürnberg

10:30 – 10:45 Pancreatic tumors: diagnosis, staging, resectability

Adrian Săftoiu

10:45 – 10:55 Abdominal ultrasound examination (tips and tricks) – live demonstration

Dieter Nürnberg

10:55 – 11:30 Hands-on Training: Pancreas and portal system

Faculty

11:30 – 12:00 Lunch break

12:00 – 13:00 Session 3: Liver

Moderation: *Zeno Spârchez, Kim Nylund*

12:00 – 12:15 Parenchymal liver diseases

Ioan Sporea

12:15 – 12:30 Portal Hypertension and other vascular liver disease

Ivica Grgurevic

12:30 – 12:45 Focal liver lesions

Zeno Spârchez

12:45 – 13:00 Hands-on Training: Focus on the liver

Faculty

13.00 – 13.30 Break

13.30 – 15.00 Opening Plenary Session of UEG Week

15:00 – 15:30 Coffee break

15:30 – 16:30 Session 4: GI tract

Moderation: *Odd Helge Gilja, Ioan Sporea*

15:30 – 15:45 Inflammatory bowel diseases

Kim Nylund

15:45 – 16:00 Ultrasound for functional gastrointestinal disorders

Odd Helge Gilja

16:00 – 16:15 The role of ultrasound in appendicitis and acute diverticulitis

Maria Luigia Vaiano

15:45 – 16:00 Hands-on Training: Focus on bowel

Faculty

16:30 – 17:00 Coffee break

17:00 – 18:00 Session 5

Moderation: Christian Jenssen, Alina Popescu

17:00 – 17:30 Interesting cases – (video demonstration)

Liver – interesting cases – Matteo Rosselli

Biliary tract – interesting cases – Maria Nürnberg

Digestive tract – interesting cases - Maria Luigia Vaiano

17:30 – 17:35 Closing remarks, certificates

Christian Jenssen, Dieter Nürnberg

17:35 – 18:00 Hands-on Training

Faculty

Monday 16 October 2023

8:30 – 9:30 Session 1

Hands-on Training

Faculty

9:30 – 10:00 Coffee break

10:00 – 11:00 Session 2

Hands-on Training

Faculty

11:00 – 11:30 Coffee break

11:30 – 12:30 Session 3

Hands-on Training

Faculty

12:30 – 14:30 – Lunch break

13:30 – 15:30 Lunch Session

Part III – Noon Lectures

Multiparametric ultrasound (MPUS) in gastroenterology

Moderation: Ioan Sporea, Ivica Grgurevic

Clinical case - *Matteo Rosselli*

MPUS in diffuse liver diseases - *Ioan Sporea*

MPUS in focal liver lesions - *Alina Popescu*

MPUS in pancreatic diseases - *Adrian Săftoiu*

MPUS in the evaluation of abdominal vessels - *Ivica Grgurevic*

When to take the needle – ultrasound guided interventional procedures - *Christian Jenssen*

15:30 – 16:00 Coffee break

16:00 – 17:00 Session 4

Hands-on Training

Faculty

Tuesday 17 October 2023

8:30 – 9:30 Session 1

Hands-on Training

Faculty

9:30 – 10:00 Coffee break

10:00 – 11:00 Session 2

Hands-on Training

Faculty

11:00 – 11:30 Coffee break

11:30 – 12:30 Session 3

Hands-on Training

Faculty

12:30 – 14:30 – Lunch break

13:00 – 15:00 Lunch session

Part IV – Noon Lectures

Gastrointestinal ultrasound

Moderation: Matthias Wüstner, Odd Helge Gilja

Clinical Case - *Maria Nürnberg*

Inflammatory bowel diseases – which is the role of ultrasound? - *Maria Luigia Vaiano*

Ultrasound features in celiac disease and other rare gastrointestinal diseases - *Kim Nylund*

Acute appendicitis and diverticulitis – the ultrasound approach - *Thomas Müller*

Intestinal catastrophies – bowel obstruction, perforation and ischemia - *Dieter Nürnberg*

The role of ultrasound techniques in malignant diseases of the digestive tract - *Christian Jensen*