

Ultrasonography for the Gastroenterologist – "See with Sound Inside the Abdomen"

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

All UGE Week participants are invited to explore the "world of imaging with sound".

This year the Ultrasound programme offers basic and postgraduate courses on ultrasonography, individual hands-on training, and special lectures in abdominal ultrasonography. It is specially 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.

The tutors will be at your side during the UEG Week to guide you on this interesting diagnostic tool.

Main topics of the special lectures are **Point of Care Ultrasound in Gastroenterology** and **"The new kids on the block" in abdominal ultrasound**.

The Ultrasound Learning Area is run in courtesy of EFSUMB.

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, October 12, 2024

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

Christian Jenssen

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

Dieter Nürnberg

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

Ivica Grgurevic

11:30 – 11:45 Examination of the pancreas

Matteo Rosselli

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 Different ultrasound systems – what are they useful for?

Dieter Nürnberg

14:00 – 14:15 Abdominal ultrasound examination (tips and tricks) – live demonstration

Alina Popescu

14.15– 14:30 Where to check for free fluid and gas in the abdomen?

Kim Nylund

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, October 13, 2024

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

Dieter Nürnberg

08:05 – 08:20 Incidental findings

Thomas Müller

08:20 – 08:35 Biliary obstruction: 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

Christian Jenssen

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 – 17:40 Interesting cases – (video demonstration)

17:00 – 17:10 *Liver – interesting cases – Maria Nürnberg*

17:10 – 17:20 *Biliary tract – interesting cases – Matteo Rosselli*

17:20 – 17:30 *Digestive tract – interesting cases - Maria Luigia Vaiano*

17:30 – 17:40 *Rare cases in gastroenterology solved by ultrasound - Faculty*

17:40 – 17:45 Closing remarks, certificates

Christian Jenssen, Dieter Nürnberg

17:45 – 18:00 Hands-on Training

Faculty

Monday, October 14, 2024

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

Point of Care Ultrasound in Gastroenterology

Moderation: *Dieter Nürnberg, Matthias Wüstner*

13:30 – 13:45 Case presentation – *Maria Nürnberg*

13:45 – 14:05 Pain in the upper quadrants – *Roxana Şirli*

14:05 – 14:25 Pain in the lower quadrants - *Dieter Nürnberg*

14:25 – 14:45 Abdominal catastrophes - *Matthias Wüstner*

14:45 – 15:05 Jaundice - *Zeno Spârchez*

15:05 – 15:30 Point of care ultrasound guided interventions - *Thomas Müller*

15:30 – 16:00 Coffee break

16:00 – 17:00 Session 4

Hands-on Training

Faculty

Tuesday, October 15, 2024

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

"The new kids on the block" in abdominal ultrasound

Moderation: *Ioan Sporea, Christian Jenssen*

13:30 – 13:50 Contrast enhanced ultrasound (CEUS) in focal liver lesions - *Odd Helge Gilja*

13:50 – 14:10 Contrast enhanced ultrasound (CEUS) - other abdominal applications – *Matteo Rosselli*

14:10 – 14:30 Liver fat quantification with ultrasound based technologies – *Ioan Sporea*

14:30 – 14:50 Do we still need liver biopsy for diffuse liver diseases or US based elastography is enough? - *Alina Popescu*

14:50 – 15:10 AI in ultrasound – *Adrian Săftoiu*

15:10 – 15:30 Contrast enhanced ultrasound (CEUS) and Elastography in EUS – *Christian Jenssen*