



ESGAR

35th Annual Meeting and Postgraduate Course

2024



May 28-31

GOTHENBURG
SWEDEN

PRELIMINARY PROGRAMME

ESGAR 2024 PRELIMINARY PROGRAMME

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IMPORTANT ADDRESSES

ORGANISING SECRETARIAT

Central ESGAR Office

Esslinggasse 2/3

AT – 1010 Vienna

Phone: +43 1 535 89 27

Fax: +43 1 535 89 27 15

E-Mail: office@esgar.org

www.esgar.org

EXHIBITION MANAGEMENT

MAW

Medizinische Ausstellungs- und Werbegesellschaft

International Exhibitions & Advertising

Freyung 6/3

AT – 1010 Vienna

Phone: +43 1 536 63 73

Fax: +43 1 535 60 16

E-Mail: maw@media.co.at

www.media.co.at

CONFERENCE VENUE

Svenska Mässan

Mässans gata 24

SE – 412 51 Gothenburg

IMPORTANT DATES

Abstract submission opens

October 31, 2023

Registration opens

December 13, 2023

Abstract submission deadline

January 15, 2024

Notification of acceptance to authors

February, 2024

Early registration deadline

February 29, 2024

Pre-registration deadline

April 24, 2024

CME

An application will be made to the EACCME for CME accreditation of this event. The EACCME is an institution of the UEMS (www.uems.eu). The number of credit hours of European external CME credits will be announced on the ESGAR website and in the Final Programme.

CONTRIBUTING SOCIETIES



European Society of Urogenital Radiology



ESPR
European Society of Paediatric Radiology

PATRONAGE



Göteborgs Stad



VÄSTRA GÖTALANDSREGIONEN



Svensk Förening för Medicinsk Radiologi



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ESGAR EXECUTIVE DIRECTOR

Brigitte Lindlbauer, Vienna/AT

ESGAR 2024 MEETING PRESIDENT

Prof. Lennart Blomqvist

Karolinska University Hospital

Department of Diagnostic Radiology

SE – 171 76 Stockholm

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INVITATION LETTER



Dear colleagues, dear friends,

I am pleased to welcome you to the ESGAR Annual Meeting 2024 that will take place from May 28 – 31 in the beautiful city of Gothenburg, Sweden.

As the President of the ESGAR 2024 meeting, it is my great pleasure to invite you all to join us for what promises to be a memorable event. With an exceptional programme featuring renowned speakers, interactive sessions, and cutting-edge research, the ESGAR 2024 Annual Meeting will provide an outstanding platform for networking, learning, and sharing ideas.

As you know, ESGAR is dedicated to promoting the science and practice of gastrointestinal and abdominal radiology in Europe and beyond, and our Annual Congress is the highlight of our calendar. The 2024 congress will be no exception, with a focus on the latest advances in our field, as well as a range of courses, tutorials and lecture sessions designed to enhance your knowledge and skills.

Whether you are a seasoned expert or just starting your career in gastrointestinal and abdominal radiology, ESGAR 2024 is the perfect opportunity to connect with colleagues, learn from the best, and contribute to the ongoing development of our discipline.

The ESGAR 2024 Annual Meeting and Postgraduate Course will cover a broad selection of topics, from current in-depth cutting-edge knowledge in the field to updated overviews of topics important for all radiologists getting in touch with gastrointestinal and abdominal radiology. There will certainly also be some particular highlights where current general societal challenges related to gastrointestinal and abdominal radiology will be covered.

The Postgraduate Course entitled “The pattern matters” will be one of the true highlights of the meeting where experts in the field will cover gastrointestinal and abdominal lesion characterisation

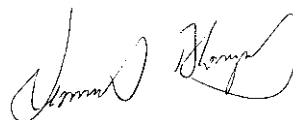
in e.g. the cirrhotic and non-cirrhotic liver, the pancreas, the bowel as well as multicystic lesions in the lesser pelvis.

The venue, The Swedish Exhibition & Congress Centre and Gothia Towers Hotel, is a marvellous centrally located meeting place, with the city centre, hotels and restaurants all within walking distance. This tradition of hosting exhibitions and congresses dates back to 1918 when the first exhibition was inaugurated as the first of its kind in Sweden by his Majesty King Gustav V and Queen Victoria.

I welcome you all to Gothenburg, Sweden’s second largest city with about 600.000 inhabitants - a charming city on the west coast of Sweden, which is at its best in May. The weather is mild or warm, and the trees and flowers are in full bloom, creating a vibrant atmosphere all around the city. The many parks and gardens, including the stunning Botanical Garden, are perfect for taking a relaxing stroll, enjoying a picnic, or just soaking up the peaceful surroundings. The beautiful, rocky archipelago is at easy reach by tram from the city centre, and ferries can take you to beautiful islands off the coast. In May, the city’s cultural scene is also in full swing, with plenty of music, theatre, and art events taking place throughout the month. And of course, no visit to Gothenburg would be complete without trying some of the famous seafood for which the city is so renowned.

We look forward to welcoming you to Gothenburg for an unforgettable meeting in May 2024!

Sincerely,



Lennart Blomqvist



ESGAR

Annual Meeting and Postgraduate Course

2024



EDUCATIONAL AND SCIENTIFIC PROGRAMME FEATURES

ABBREVIATIONS

The following abbreviations are used in the programme:

AUS	Advanced Ultrasound	IGT	Image Guided Therapy	SOE	School of ESGAR
COD	Cases of the Day	LS	Lecture Session	SS	Scientific Session
CTC	CT Colonography	PG	Postgraduate Course	SY	Industry Symposium
ET	ESGAR Tutorial	PS	Plenary Session	TC	Tricky Cases
HL	Honorary Lecture	RT	Research Tutorial		

ADVANCED ULTRASOUND AT ESGAR 2024

At ESGAR 2024 the modality of ultrasound will be one of the highlighted topics. Throughout the meeting, sessions, keynote lectures and case discussions will cover from basic technical aspects of contrast-enhanced ultrasound to guidelines of applications and innovations in Abdominal Ultrasound technologies.

CASES OF THE DAY

Scientific Coordinators:

R. Cannella, Palermo/IT

K. De Paepe, Boston, MA/US

C. Reiner, Zurich/CH

Different cases will be displayed each day from Tuesday to Friday, giving registrants the opportunity to take part in the quiz and check the results on the following day. The participant(s) who solve(s) the most cases correctly will be announced in the ESGAR Newsletter.

CTC HANDS ON CENTRE

Scientific Coordinator: T. Mang, Vienna/AT

The programme offered at the CTC Training Centre will provide participants dedicated time for self-reading the cases, followed by comprehensive case-solving and thorough explanations by our expert speakers. These interactive discussions will encompass effective strategies for detecting relevant findings and identifying key imaging features crucial for accurate diagnosis.

ESGAR TUTORIALS

Throughout ESGAR 2024, different tutorials will be offered to the registrants. Compared to a formal lecture, the smaller tutorial environment is intended to facilitate more active discussion between expert instructors and the audience, allowing registrants to address their specific needs.

#SINGLE TOPIC

These tutorials are addressing specific topics that are considered as important. One or two experts are presenting the topic, mostly based on clinical cases and with as much interactivity as desirable.

#FROM MY WORKSTATION

The speaker will discuss with the attendees common clinical scenarios through challenging cases. The teaching methods are designed to maximise active audience involvement. These tutorials will help to learn how to understand and manage these cases.

At the conclusion of this live activity, participants will be able to:

- Identify pearls and pitfalls of diagnostic imaging modalities
- Compare the role of imaging modalities in different clinical scenarios
- Recommend imaging algorithms for appropriate patient management

#TECHNICAL TIPS

Based on case files, the speakers will present why, when and how to incorporate specific techniques and discuss with the attendees on diagnostic challenges. At the conclusion of this live activity, participants will be able to:

- Identify main challenges related to new imaging techniques
- Understand the added value of new imaging techniques in different clinical scenarios
- Recommend new imaging algorithms for better patient management

EDUCATIONAL AND SCIENTIFIC PROGRAMME FEATURES

#QUESTIONS FROM MY COLLEAGUE

Two speakers will provide a comprehensive discussion and debate on a specific topic. They will present their viewpoints and will discuss diagnostic challenges and patient management with the attendees. There will be an active exchange and dialogue between the speakers and the audience sharing updated information and practical tips. At the conclusion of this live activity, participants will be able to:

- Identify main challenges related to imaging modalities
- Compare the role of imaging modalities in different clinical scenarios
- Recommend imaging algorithms for appropriate patient management

#STRUCTURED REPORTING

Based on case files, the speaker will present relevant diagnostic findings and the crucial information on disease staging to be included in a structured report. At the conclusion of this live activity, participants will be able to:

- Identify relevant imaging findings and components to be included in the standardised report
- Use templates reflecting the radiologist attitude, perception and capability in different clinical scenarios
- Understand the added value of structured reporting for better patient management

In 2024, we are happy to offer a new format, for some tutorials:

#OPEN FORUM

This new tutorial format is implemented to increase direct interactivity and communication with the audience. The moderator will prepare a few “teaser” questions to introduce the discussion and will invite the attendees to lively participate to the Q & A.

IMAGE GUIDED THERAPY

The daily IGT sessions will be led by experts in the field, emphasising key practical issues, ranging from basic to advanced knowledge and skills with a special focus on knowledge useful for abdominal radiologists working in diagnostic radiology. As in all ESGAR formats, interactivity will be encouraged between delegates and faculty to facilitate useful practical discussions. This includes case-discussions led by the moderators, including all speakers. The topic of “Image guided therapy” will additionally be covered in ESGAR tutorials, scientific papers and posters.

INDUSTRY SYMPOSIA

From Tuesday to Friday at lunchtime, symposia will be held in collaboration with industrial companies and corporate partners. The subjects of these symposia will include a variety of “hot topics” concerning the ongoing development in some major fields of abdominal diagnostic and interventional radiology.

LECTURE SESSIONS

All Lecture Sessions are dedicated to a special area of interest with defined lecture objectives to ensure integration and avoid overlap. Several sessions have a multidisciplinary approach or are organised in collaboration with other societies, such as the European Society of Urogenital Radiology (ESUR).

PLENARY SESSIONS:

Clinical Files

An experienced moderator will present four themed and challenging abdominal and GI cases to a radiology panel composed of two teams of two radiologists. Each case will be chosen to illustrate challenging diagnosis and will also allow to discuss therapeutic options available for the clinical management of the patient. The interpretation session will be live, as the panellists will only see the cases 24 hours before the session. The panellists will describe the imaging findings and the moderator will guide the panellists with questions regarding differentials and patient management. The aim of this session is to stress the central role of clinical radiology in today's patient management and to show how experts deal with challenging cases.

Nick Gourtsoyiannis Foundation Course I and II

This educational feature, named after Prof. Nick Gourtsoyiannis, is a mini rad-path course designed to teach fundamental imaging findings in specific abdominal conditions correlated with up-to-date pathologic information. The specific topics to be discussed in this year's rad-path course are the rectum and pancreas.

EDUCATIONAL AND SCIENTIFIC PROGRAMME FEATURES

One Case - Three Lessons

In this session each panellist shares a clinical case where they personally made a mistake and then develop the three lessons that they learned from this. The goal of this format is to learn how experts reflect on their own errors to avoid making important mistakes in the diagnosis of cases in the future. A broad range of diseases, modalities and clinical situations will be presented, and the moderators will bring together shared themes during discussion amongst the experts. The session will be managed in an entertaining and educational style with improvisation, humour and openness.

POSTGRADUATE COURSE

At ESGAR 2024, the Postgraduate Course "The pattern matters - abdominal lesion characterisation 2024" is offered on the first day of the meeting. In four sessions the topics of focal liver, pancreatic lesions, challenges diagnosing a low abdominal mass as well as recurrent cancer will be addressed. Each session deals with the role of different imaging modalities, imaging features, diagnostic challenges as well as the appropriate multimodality management. The sessions are finished with an interactive case-based discussion adapted to the learning objectives.

RESEARCH TUTORIAL

Do you ever wonder why so few promising imaging biomarkers ever make it into clinical practice? Have you got your own idea but are unsure of the pathway to develop and validate a biomarker and avoid making the common mistakes? The research tutorials will be held in collaboration with the European Imaging Biomarker Alliance (EIBALL) and are combined into a single open forum format to encourage discussion and debate between speakers and delegates. The topic will be GI Imaging Biomarkers and the three expert speakers will outline the development pathway for imaging biomarkers, what we have available in GI radiology and what are the limitations in the current literature. There will then be a discussion on what we are doing well and importantly, what not so well!

SCHOOL OF ESGAR

Scientific Coordinators: R. Cannella, Palermo/IT;
K. De Paepe, Boston, MA/US; C. Reiner, Zurich/CH

This educational pathway within the annual ESGAR meeting includes a selection of the most important topics of abdominal radiology following the chapters of the European Training Curriculum and the corresponding learning objectives. This pathway will cover the most fundamental and important aspects of benign diseases in the pelvis, discovering the retroperitoneum, imaging of the hilar cholangiocarcinoma and its mimickers and bugs in the abdomen.

SCIENTIFIC EXHIBITION - POSTER EXHIBITION

All scientific and educational exhibits (posters) at ESGAR 2024 will be displayed in electronic poster format. The poster system allows registrants to submit their exhibits online, to view them in the conference centre. The scientific and educational posters displayed at ESGAR 2024 in the electronic poster exhibition will be included in the permanent ESGAR Online Poster Database after the meeting.

SCIENTIFIC SESSIONS

Researchers will present original papers on new and original aspects of abdominal imaging and intervention. Selected papers will be gathered into sessions, each dealing with a homogenous topic. Time for discussion between researchers and attendees will be available after each presentation.

TRICKY CASES FROM MY DAY JOB

Coordinators: R. Cannella, Palermo/IT;
K. De Paepe, Boston, MA/US; C. Reiner, Zurich/CH

This session format on Wednesday and Thursday, involves brief case presentation and interactive discussion of challenging cases from everyday clinical practice.

ABSTRACT SUBMISSION

The ESGAR Annual Meeting has become a platform for research exchange in the fields of gastrointestinal and abdominal radiology and it offers a high standard educational and scientific programme.

The scientific programme, composed by the ESGAR 2024 Programme Committee, seeks to promote scientific excellence and inquiry, encourage individual and collective action of current research findings in diagnostic and interventional abdominal and GI radiology.

The ESGAR 2024 Programme Committee therefore welcomes abstract submissions of scientific and educational presentations for ESGAR 2024. Selected abstracts will be accepted for scientific (oral) presentations and for electronic poster presentation in order to ensure a balanced and representative scientific programme.

**ABSTRACT SUBMISSION DEADLINE:
JANUARY 15, 2024**

GENERAL INFORMATION AND GUIDELINES

Scientific abstracts (Scientific Presentations and Posters)

must be structured as follows:

- Purpose
- Materials and Methods
- Results
- Conclusion

Educational Poster abstracts

must be structured as follows:

- Learning objectives
- Background
- Imaging Findings or Procedure Details
- Conclusion
- Media files: brief and neutrally designed PowerPoint presentation (max. 3-4 slides) summarising the Educational Poster

Abstracts longer than 250 words will not be accepted by the system.

Projects can only be submitted in one presentation category. Posters already on the Poster database may not be re-submitted to ESGAR. Accepted scientific presentations will be published online in a supplement to "Insights into Imaging".

Further details are available in the online abstract submission system.

NOTIFICATION OF ACCEPTANCE

Presenters of all abstract types will receive the notifications of acceptance via e-mail in February, 2024.

Please note that all presenters need to register for the congress before the pre-registration deadline on April 24, 2024!

SUBMIT YOUR RESEARCH AND EDUCATIONAL WORK!

PRELIMINARY PROGRAMME

PROGRAMME OVERVIEW – TUESDAY, MAY 28

	Auditorium	G4
08:30-09:00		
09:00-09:30	<p>PG 1</p> <p>The liver - more than just cysts and haemangiomas</p>	
09:30-10:00		
10:00-10:30		
10:30-11:00	<p>PG 2</p> <p>Pancreas - are the diagnostic challenges solved?</p>	
11:00-11:30		
11:30-12:00		
12:00-12:30		
12:30-13:00	Industry Symposium	
13:00-13:30		Open Forum Session 1 (Poster Session)
13:30-14:00		
14:00-14:30	<p>PG 3</p> <p>Is it GI or GU?</p>	
14:30-15:00		
15:00-15:30		
15:30-16:00		Open Forum Session 2 (Poster Session)
16:00-16:30	<p>PG 4</p> <p>Recurrent colorectal cancer or not?</p>	
16:30-17:00		
17:00-17:30		
17:30-18:00		
18:00-18:30	Opening	
18:30-19:00		
19:00-19:30		

PROGRAMME OVERVIEW – WEDNESDAY, MAY 29

	Auditorium	G3	H1	J1	J2	G1	G2	G4	R2
07:30-08:00									
08:00-08:30	ET 1 Excellence in abdominal imaging	ET 2 Bile ducts variants	ET 3 MR rectal cancer, ESGAR-SAR guidelines	ET 4 Pregnant patient when US inconclusive	ET 5 Pelvic floor imaging in clinical practice		AUS 1 Liver CEUS applications		
08:30-09:00									
09:00-09:30	LS 1 Hepatocellular carcinoma - new insights	LS 2 Imaging after bariatric surgery	ET 6 Pelvic exenteration			CTC 1 Basic principles and imaging features	AUS 2 CEUS LIRADS and tips and tricks		
09:30-10:00				SS 1	SS 2				
10:00-10:30			ET 7 ESGAR - EANM Guidelines, anal Cancer						
10:30-11:00									
11:00-11:30	SOE 1 Benign disease in the pelvis	ET 8 Richard Baron Tutorial: „Vascular and biliary complications	IGT 1 Bleeding in the abdomen - radiologists as life savers			CTC 2 How to detect and characterise cancers	AUS 3 CEUS applications in focal liver lesions		
11:30-12:00				SS 3	SS 4				
12:00-12:30									
12:30-13:00									
13:00-13:30		Industry Symposium		Industry Symposium	RT 1 Imaging biomarkers in GI imaging			ET 9 Soft skills: Life work balance	
13:30-14:00									
14:00-14:30			Industry Symposium					Tricky cases 1	
14:30-15:00	LS 3 Pancreatic adenocarcinoma	LS 4 Imaging evaluation of chronic and diffuse liver disease	ET 10 AI - most common errors	SOE 2 Discovering the retroperitoneum	SS 5	CTC 3 Differential diagnosis of polypoid lesions	AUS 4 CEUS for guidance and evaluation of liver interventions	ET 11 Shortage of technicians	
15:00-15:30									
15:30-16:00									
16:00-16:30									
16:30-17:00	HL 1 ESGAR								
17:00-17:30	PS 2 One Case - Three Lessons								
17:30-18:15									

Young ESGAR Lounge

PROGRAMME OVERVIEW – THURSDAY, MAY 30

	Auditorium	G3	H1	J1	J2	G1	G2	G4	R2
07:30-08:00									
08:00-08:30	ET 12 The future direction of LIRADS	ET 13 AI versus Human Intelligence	ET 14 Basic IR skills	ET 15 Challenges in bile ducts	ET 16 Abdominal lymphoma		AUS 5 Liver fibrosis and steatosis US assessment		
08:30-09:00									
09:00-09:30			ET 17 ESGAR-ESUR Guidelines acute abdomen						
09:30-10:00	LS 5 Staging of colon cancer - it is not always simple	LS 6 Presurgical assessment of the liver		SS 6	SS 7	CTC 4 How to detect nonpoyloid - flat lesions	AUS 6 Liver fibrosis and steatosis: How I do it?		
10:00-10:30			ET 18 Internal hernia and its complications						
10:30-11:00									
11:00-11:30	SOE 3 Imaging of hilar cholangiocarcinoma	ET 19 Challenge yourself with tricky cases	IGT 2 Portal hypertension	SS 8	SS 9	CTC 5 Unusual and difficult cases	AUS 7 Quantification of diffuse liver disease		
11:30-12:00									
12:00-12:30									
12:30-13:00									
13:00-13:30		Industry Symposium		Industry Symposium	ET 20 Editorial Tutorial			ET 21 Pancreatic dilemma	
13:30-14:00									
14:00-14:30			Industry Symposium					Tricky cases 2	
14:30-15:00	LS 7 ESGAR-ESUR Joint Session - Pitfalls in imaging of the abdomen	LS 8 Radiologists guiding surgeons in the right iliac fossa	ET 22 Peritoneal carcinomatosis	SOE 4 Bugs in the abdomen	SS 10	CTC 6 Diagnostic problems, errors and troubleshooting	AUS 8 Non-liver CEUS applications	ET 23 Liver recurrence after chemo	
15:00-15:30									
15:30-16:00									
16:00-16:30									
16:30-17:00	HL 2 ASAR								
17:00-17:30	PS 2 Clinical Files								
17:30-18:00									
18:00-18:30					General Assembly				
18:30-19:00									

PROGRAMME OVERVIEW – FRIDAY, MAY 31

	Auditorium	G3	H1	J1	J2	G1	G2	G4	R2	
07:30-x08:00										
08:00-08:30	ET 24 Hot and cold pancreas	ET 25 Hepatocyte specific MR-Imaging	ET 26 Colorectal cancer	ET 27 Mesenteric ischemia	ET 28 Photon counting	ET 29 Gallbladder - spectrum of pathology	ET 30 Paediatric liver			
08:30-09:00										
09:00-09:30	LS 9 Too small to characterise in the right upper quadrant	LS 10 Role of imaging in gastric cancer management	ET 31 Small bowel - Crohn's disease	SS 11	SS 12	ET 32 Sclerosing cholangitis	ET 33 Multimodality imaging of NET			
09:30-10:00										
10:00-10:30			ET 34 MRI of perianal fistula			ET 35 Modern treatment HCC (IR)				
10:30-11:00										
11:00-11:30	SOE 5 Basics of multi-energy CT	ET 36 The one-hour guide for CTC	IGT 3 Hepatobiliary surgery and IR - guiding the surgical hand	SS 13	SS 14	ET 37 PET/MRI: When to use in clinical practice	ET 38 Spleen - do not overlook			
11:30-12:00										
12:00-12:30										
12:30-13:00										
13:00-13:30		Industry Symposium		ET 39 Soft skills: Patient communication						
13:30-14:00										
14:00-14:30										
14:30-15:00		PS 4 & PS 5 Nick Gourtsoyiannis' Foundation Course - Rad-path correlation								
15:00-15:30										
15:30-16:00										
16:00-16:30										
16:30-17:00										
17:00-17:30										
17:30-18:00										

Young ESGAR Lounge

08:30 – 10:00 **PG 1** **THE LIVER – MORE THAN JUST CYSTS AND HAEMANGIOMAS**

Moderators: Marc Zins, Paris/FR; Lennart Blomqvist, Stockholm/SE



08:30 **Incidental lesions in the non-cirrhotic liver**

Giuseppe Brancatelli, Palermo/IT

Learning objectives:

- › To recall the prevalence of liver lesions in the non-cirrhotic liver
- › To understand the importance of the clinical setting when facing incidental liver lesions
- › To know the most common liver lesions that we find in this scenario

08:50 **CT, MRI and CEUS of focal lesions in non-cirrhotic livers – how do I use them to optimise lesion characterisation?**

Valerie Vilgrain, Clichy/FR

Learning objectives:

- › To understand the role of different imaging modalities alone or in combination
- › To know about the different systematic approaches to incidental liver lesions regarding the clinical background
- › To know how to report imaging findings to guide management

09:10 **Liver lesions – systematic pattern approach beyond LI-RADS**

Victoria Chernyak, New York, NY/US

Learning objectives:

- › To know when LI-RADS should be used and when other systematic approaches are applicable
- › To learn how to follow-up malignant liver lesions treated with local or systemic treatment
- › To become familiar with new insights in treatment response patterns

09:30 **Case-based discussion**

10:30 – 12:00 **PG 2** **PANCREAS – ARE THE DIAGNOSTIC CHALLENGES SOLVED?**

Moderators: Maria Antonietta Bali, Brussels/BE; Celso Matos, Lisbon/PT



10:30 **Management of the incidental pancreatic lesion**

Carlos Valls, Stockholm/SE

Learning objectives:

- › To learn about the typical imaging findings in incidental pancreatic lesions
- › To know the importance of the clinical setting for diagnosis and follow-up
- › To understand the role of CT and MRI in the management and follow-up of incidental pancreatic lesions

10:50 **State-of-the-art CT, MRI and endoscopic ultrasonography in pancreatic adenocarcinoma – what role do they play?**

Raneem Albazaz, Leeds/UK

Learning objectives:

- › To learn about the role of CT, MRI and EUS in the diagnosis of pancreatic adenocarcinoma
- › To know how to recognise important imaging features for diagnosis and management
- › To become familiar with new imaging tools

11:10 **Impact of imaging in the era of new treatments for pancreatic adenocarcinoma**

Giulia Zamboni, Verona/IT

Learning objectives:

- › To learn about the update how imaging is used to assess the effect of treatment of pancreatic carcinoma
- › To know about the main established criteria how to describe treatment effect
- › To become familiar with the important challenges in evaluation

11:30 **Case-based discussion**

14:00 – 15:30 **PG 3** **IS IT GI OR GU?**

Moderators: Paul Nikolaidis, Chicago, IL/US; Regina Beets-Tan, Amsterdam/NL



14:00 **Diverticulitis and its mimickers**

Luis Curvo-Semedo, Coimbra/PT

Learning objectives:

- › To learn about the imaging findings that are typical for colonic diverticulitis
- › To know the diagnostic approach and role of US, CT and MRI in the differential diagnosis
- › To recognise when a lesion mimics diverticulitis

14:20 **The solid pelvic bowel mass – not always rectal cancer**

Stephanie Nougaret, Montpellier/FR

Learning objectives:

- › To learn the spectrum of presentations of solid pelvic masses
- › To understand how to use CT and MRI to make the diagnosis
- › To recognise the impact of imaging on clinical management

14:40 **The multicystic pelvic lesion – where does it come from?**

Henrik Leonhardt, Gothenburg/SE

Learning objectives:

- › To learn about the different clinical presentations of cystic pelvic lesions
- › To know the role of US, CT and MRI
- › To recognise the diagnostic challenges and the impact of imaging on clinical management

15:00 **Case-based discussion**

16:00 – 17:30 **PG 4** **RECURRENT COLORECTAL CANCER OR NOT?**

Moderators: Sofia Gourtsoyianni, Athens/GR; Elleke Dresen, Leuven/BE



16:00 **Local recurrence or regrowth after treatment**

Monique Maas, Amsterdam/NL

Learning objectives:

- › To become familiar with the spectrum of presentation of local recurrence of rectal cancer treated with radiochemotherapy followed by surgery
- › To learn about the incidence of regrowth of rectal cancer treated with an organ saving approach
- › To recognise some general diagnostic challenges and controversies and how to deal with them

16:20 **Peritoneal recurrence – the multimodal approach**

Markus Obmann, Basel/CH

Learning objectives:

- › To learn about the incidence of peritoneal carcinomatosis depending on disease location and extent
- › To know how computed tomography and magnetic resonance imaging are used to diagnose peritoneal spread and the role of peritoneal carcinomatosis index (PCI)
- › To become familiar with challenges and limitations of different imaging modalities

16:40 **Distant spread of colorectal cancer in the era of precision medicine**

Vicky Goh, London/UK

Learning objectives:

- › To learn about the changing role of radiology due to multi regimen treatment of colorectal cancer
- › To understand the role of CT, MRI and functional imaging with PET/CT in the management of distant metastases to the liver and lung
- › To become familiar with treatment response patterns on imaging related to new combination treatments, either local or systemic

17:00 **Case-based discussion**

WEDNESDAY, MAY 29 - ESGAR TUTORIALS

08:00 – 08:45

ET 1 Excellence in abdominal imaging – optimal techniques to make the diagnosis #SINGLE TOPIC

David Burling, Harrow/UK; Wolfgang Schima, Vienna/AT

Learning objectives:

- › To become familiar with optimal techniques in abdominal imaging
- › To understand how to integrate imaging technique improvements into patient pathways
- › To understand how optimisation impacts on patient diagnosis



ET 2 Important anatomical variants of the liver and bile ducts #SINGLE TOPIC

Binit Sureka, Jodhpur/IN; Kalina Chupetlovska, Sofia/BG

Learning objectives:

- › To know the important anatomical variants of the hepatic artery, portal vein and hepatic veins and their importance for surgery
- › To be aware of the anatomical variants in the biliary tree and their importance for surgery
- › To recall when anatomical variants can be associated with certain diseases



ET 3 Structured MR-staging and restaging of rectal cancer according to ESGAR and SAR guidelines #STRUCTURED REPORTING

Stuart Andrew Taylor, London/UK; Marc Gollub, New York, NY/US

Learning objectives:

- › To identify relevant imaging findings to be included in a standardised report
- › To learn how to use templates reflecting the radiologist style and approach in different clinical scenarios
- › To understand the added value of structured reporting for better patient management



ET 4 Acute abdominal imaging in the pregnant patient when US is inconclusive #SINGLE TOPIC

Charis Bourgioti, Athens/GR; Karin Horsthuis, Amsterdam/NL

Learning objectives:

- › To understand the role of MRI and CT in pregnant patients
- › To know about dedicated MRI and CT abdominal protocols for pregnant women
- › To learn a diagnostic algorithm in pregnant patients



ET 5 Pelvic floor imaging in clinical practice #QUESTIONS FROM MY COLLEAGUE

Caecilia Reiner, Zurich/CH; Gabriele Masselli, Rome/IT

Learning objectives:

- › To understand optimal acquisition protocols for pelvic floor imaging
- › To appreciate the best way to report pelvic floor imaging and the relationship to clinical findings
- › To learn the role of pelvic floor imaging in the pre and post operative setting, including the use of mesh materials



WEDNESDAY, MAY 29 - ESGAR TUTORIALS

09:00 – 09:45

ET 6 MRI prior to pelvic exenteration of advanced pelvic tumours #SINGLE TOPIC

Doenja Lambregts, Amsterdam/NL; Damian Tolan, Leeds/UK

Learning objectives:

- › To know how the MR imaging protocol needs to be tailored for assessment prior to pelvic exenteration
- › To learn about current classifications of pelvic organ involvement of advanced pelvic tumours
- › To understand how to use the ESGAR guidelines for imaging prior to pelvic exenteration



10:00 – 10:45

ET 7 ESGAR/EANM Consensus Guidelines for imaging anal cancer #SINGLE TOPIC

Seung Ho Kim, Busan/KR; Davide Prezzi, London/UK

Learning objectives:

- › To learn about the guidelines for anal cancer
- › To understand in which clinical and imaging settings to use the guidelines
- › To know key elements important for imaging quality according to the guidelines



11:00 – 12:00

ET 8 Richard Baron tutorial: Imaging of vascular and biliary complications after liver transplant #SINGLE TOPIC

Alexandre Perez Girbes, Valencia/ES; Alessandro Furlan, Pittsburgh, PA/US

Learning objectives:

- › To recall the spectrum of complications after liver transplant
- › To know about the imaging features vascular and biliary complications
- › To learn about the role of imaging in the management



12:45 – 13:30

ET 9 Soft Skill Tutorial 1: How to optimise life work balance #OPEN FORUM

Moderator: Giuseppe Brancatelli, Palermo/IT

Speakers: Maxime Ronot, Clichy/FR; Sofieke de Jonge, Amsterdam/NL

Learning objectives:

- › To recognise that being an excellent radiologist is not enough to succeed
- › To learn about the benefits of non-work activities in the quality of your job and your life
- › To learn tips and tools to achieve the balance

WEDNESDAY, MAY 29 - ESGAR TUTORIALS

14:45 – 15:30

ET 10 Artificial intelligence in abdominal imaging – the most common errors and how to avoid them #SINGLE TOPIC

Nikolaos Papanikolaou, Lisbon/PT; Luis Martí-Bonmatí, Valencia/ES

Learning objectives:

- › To learn about current AI tools under development for abdominal imaging including AI infrastructure
- › To learn the most common errors when trying to develop or implement AI tools
- › To understand how AI tools should be implemented in clinical practice



14:45 – 15:45

ET 11 How to solve the shortage of technicians/radiologic technologists #OPEN FORUM

Moderator: Jacob Sosna, Jerusalem/IL

Speakers: Maud Lunden, Gothenburg/SE; Elmar Merkle, Basel/CH

Learning objectives:

- › How to optimise the workflow in your department given a shortage of technicians/radiologic technologists
- › To understand how to increase (future) technicians/radiologic technologists workforce
- › To learn whether AI may help in solving workforce problems



09:00 – 10:30 **LS 1** **HEPATOCELLULAR CARCINOMA - NEW INSIGHTS**

Moderators: Caroline Ewertsen, Copenhagen/DK; Maité Lewin, Villejuif/FR



09:00 **Imaging of HCC – what is new?**

Roberto Cannella, Palermo/IT

Learning objectives:

- › To understand the present challenges in imaging of HCC
- › To become familiar with innovations in imaging of HCC
- › To learn how imaging can improve the management of patients with HCC

09:15 **Hepatocellular carcinoma – evaluation of locoregional treatment**

David Bowden, Cambridge/UK

Learning objectives:

- › To recognise the challenges in response assessment of locoregional treatment in HCC
- › To learn how to perform locoregional treatment response assessment in HCC
- › To understand the present role of imaging in locoregional response assessment

09:30 **HCC - evaluation of systemic treatment**

Bachir Taouli, New York, NY/US

Learning objectives:

- › To recognise the challenges in response assessment of systemic treatment in HCC
- › To learn how to perform systemic treatment response assessment in HCC
- › To understand the present role of imaging in systemic treatment response assessment

09:45 **Hepatocellular carcinoma – tips for imaging challenging cases**

Alain Luciani, Paris/FR

Learning objectives:

- › To recall typical and atypical imaging findings in HCC
- › To understand the importance of certain imaging features
- › To learn how to deal with challenging cases

10:00 **Case-based discussion**

09:00-10:30 **LS 2** **IMAGING AFTER BARIATRIC SURGERY – WHAT YOU NEED TO KNOW**

Moderators: Andreas G. Schreyer, Brandenburg an der Havel/DE; Markus Obmann, Basel/CH



09:00 **What I do and when I need imaging**

Torsten Olbers, Linköping/SE

Learning objectives:

- › To know how the commonest bariatric operations are performed
- › To be aware of the commonest post surgical complications
- › To understand why surgeons request imaging after surgery

09:20 **Imaging soon after surgery**

Christina Lundberg, Uppsala/SE

Learning objectives:

- › To learn the optimal imaging techniques for evaluating complications soon after surgery
- › To understand the normal post operative imaging appearances
- › To recognise the imaging features of the commonest early complications after surgery

09:40 **Imaging in the longer term**

Ana Villanueva Campos, Madrid/ES

Learning objectives:

- › To understand the longer-term complications following bariatric surgery
- › To understand how to optimise imaging to detect late complications
- › To know how to identify specific imaging signs of internal herniations after surgery

10:00 **Q & A**

10:05 **Case-based discussion**

11:00 – 12:30 **IGT 1** **BLEEDING IN THE ABDOMEN – RADIOLOGISTS AS LIFE SAVERS**

Moderators: Okan Akhan, Ankara/TR; Simon Jackson, Plymouth/UK

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11:00

Upper GI bleeding

Romaric Loffroy, Dijon/FR

Learning objectives:

- › To learn about the importance of optimising pre-procedure patient preparation including endoscopy and selection based on non-invasive imaging
- › To become familiar with effective diagnostic angiographic and embolisation techniques in patients with non-variceal upper GI intestinal bleeding
- › To appreciate how to avoid potential pitfalls and insure a successful procedure

11:15

Lower GI bleeding

Ian Zealley, Dundee/UK

Learning objectives:

- › To become familiar with effective diagnostic angiographic and embolisation techniques in patients with lower GI intestinal bleeding
- › To learn about the different aetiologies of lower GI bleeding
- › To appreciate how to avoid the potential pitfalls and insure a successful procedure

11:30

Traumatic bleeding of the spleen

Raul Garcia Marcos, Valencia/ES

Learning objectives:

- › To become familiar with indications for spleen embolisation based on non-invasive imaging procedures and the AAST classification
- › To learn about different techniques (proximal vs distal) to treat traumatic bleeding of the spleen
- › To appreciate cases of splenic embolisation and their follow-up in CT / MR images

11:45

Traumatic or post-biopsy bleeding of the liver

Thomas Helmberger, Munich/DE

Learning objectives:

- › To become familiar with indications for liver embolisation based on non-invasive imaging procedures and the AAST classification
- › To understand the different concepts and materials to treat liver bleeding
- › To appreciate cases of patients with liver bleeding after conservative management as well as embolisation

12:00

Q & A

12:05

Panel Discussion

11:00 – 12:15 **SOE 1** **BENIGN DISEASES IN THE PELVIS**

Moderators: Verena Obmann, Bern/CH; Ben Rea, Sheffield/UK

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11:00 **Anorectal inflammatory conditions**

Amir Radmard, Tehran/IR

Learning objectives:

- › To learn about the anatomy of the perineum and anorectal region and how to best image them
- › To go through the imaging features of anorectal inflammatory disease and their complications
- › To become familiar with inflammatory post-surgical appearances following pouch formation

11:30 **Non-malignant anorectal lesions**

Marco Rengo, Rome/IT

Learning objectives:

- › To learn about the typical imaging features of benign anorectal lesions
- › To describe atypical imaging findings of benign anorectal lesions
- › To provide tips and tricks on how to differentiate benign from malignant anorectal lesions

12:00 **Q & A**

12:45 – 14:15 **RT 1** **RESEARCH TUTORIAL IN COLLABORATION WITH EIBALL**

Moderator: Stuart Andrew Taylor, London/UK

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III

Imaging biomarkers in GI imaging: End of the road or new beginning – an interactive discussion

Steven Sourbron, Sheffield/UK; Steve Halligan, London/UK; Maria Antonietta Bali, Brussels/BE

Learning objectives:

- › To understand the pathway for imaging biomarker development
- › To learn which imaging biomarkers have current clinical utility in GI imaging
- › To appreciate the challenges and current limitations in biomarker research and how to address the barriers to clinical translation

14:30 – 16:00 **LS 3** **PANCREATIC ADENOCARCINOMA**

Moderators: Jamie Franklin, Bournemouth/UK; Jennifer Sammon, Cork/IE



14:30 **Pancreatic adenocarcinoma: Questions for radiologists**

Elena Rangelova, Gothenburg/SE (Surgeon)

Learning objectives:

- › To learn about the importance of disease staging on patient outcome
- › To understand the role of imaging for disease management
- › To learn about the key role of the tumour board for patient management

14:45 **Pancreatic adenocarcinoma diagnosis and staging: Answer to the clinicians**

Louiza Loizou, Stockholm/SE

Learning objectives:

- › To learn about the role of cross-sectional imaging modalities for diagnosis and staging
- › To become aware of the imaging challenges regarding the local resectability criteria
- › To understand the added value of MRI for diagnosis and staging

15:00 **Pancreatic adenocarcinoma post neoadjuvant treatment assessment: Answer to the surgeons**

Caroline Touloupas, Paris/FR

Learning objectives:

- › To learn about the rationale for neoadjuvant treatment and the role of (E)US, CT and MRI
- › To know how to use imaging including timing to assess effect of treatment
- › To become familiar with challenges differentiating residual tumour from treatment-induced changes

15:15 **Imaging the pancreas after surgery – what is „post op“ and what is not?**

Stephan Marticorena Garcia, Berlin/DE

Learning objectives:

- › To learn about the range of normal post operative appearances
- › To understand the influence of post operative complications on imaging interpretation
- › To know the specific features differentiating tumour recurrence from post operative complications

15:30 **Case-based discussion**

14:30 – 16:00 **LS 4** **IMAGING EVALUATION OF CHRONIC AND DIFFUSE LIVER DISEASE: DIAGNOSIS AND PROGNOSIS**

Moderators: Bernard Van Beers, Clichy/FR; Maija Radzina, Riga/LV



14:30 **Liver fibrosis: The big issue**

Sudhakar Venkatesh, Rochester, MN/US

Learning objectives:

- › To understand what liver fibrosis is and how it can be developed after liver damage
- › To know why monitoring liver fibrosis is needed
- › To discuss how to stratify the risk in this clinical background

14:50 **Non-invasive tests (NITs) for evaluation of diffuse liver disease severity**

Christophe Aubé, Angers/FR

Learning objectives:

- › To know about the main imaging techniques that can be used to evaluate and grading diffuse liver diseases
- › To understand the advantages and disadvantages of the NITs in the diagnosis and staging of liver fibrosis
- › To approach to compensated chronic liver disease and portal hypertension

15:10 **Steatotic liver disease: The new tsunami**

Manuela França, Porto/PT

Learning objectives:

- › To learn the differences among NAFL, NAFLD and NASH
- › To recall the complications of NASH
- › To discuss the role of imaging in the management of patients with fatty liver at risk or with fibrosis

15:30 **Case-based discussion**

14:45 – 16:00 **SOE 2** **DISCOVERING THE RETROPERITONEUM**

Moderators: Nikos Courcoutsakis, Alexandroupolis/GR; Inez Verpalen, Amsterdam/NL



14:45 **Anatomy of the retroperitoneum**

Cesare Maino, Milan/IT

Learning objectives:

- › To learn about the fascial planes and spaces of the retroperitoneal compartments
- › To become familiar with the retroperitoneal organs
- › To go through respective cross sectional imaging appearances

15:15 **GI disease extending into retroperitoneum**

Eduardo Alvarez-Hornia, Bilbao/ES

Learning objectives:

- › To describe pathways for the spread of GI diseases into the retroperitoneum
- › To become familiar with the imaging findings of most common benign GI diseases extending into the retroperitoneum
- › To become familiar with the imaging findings of most common malignant GI diseases extending into the retroperitoneum

15:45 **Q & A**

16:30 – 17:00 **HL 1** **ESGAR HONORARY LECTURE**

Moderator: Marc Zins, Paris/FR

Improving radiology reporting globally & locally: Who, how and why? (and it's not AI)

Kirsten Gormly, Adelaide, SA/AU

17:00 – 18:15 **PS 2** **ONE CASE – THREE LESSONS**

Moderators: Damian Tolan, Leeds/UK; Manuela França, Porto/PT

17:00 **Introduction**

17:03 **Panelists:**

Carmel Cronin, Dublin/IE

Isabelle de Kock, Ghent/BE

Christine Menias, Phoenix, AZ/US

Max Lahaye, Amsterdam/NL

Verena Obmann, Bern/CH

Frederik Vandebroucke, Brussels/BE

Federica Vernuccio, Padua/IT

17:55 **Q & A**

THURSDAY, MAY 30 – ESGAR TUTORIALS

08:00 – 08:45

ET 12 Future direction of LI-RADS #SINGLE TOPIC

Sudhakar Venkatesh, Rochester, MN/US; Victoria Chernyak, New York, NY/US

Learning objectives:

- › To learn about the future directions of LI-RADS
- › To understand the reasons and trends in imaging behind the update
- › To know how to deal with the changes associated with LI-RADS

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ET 13 Artificial vs Human intelligence in abdominal imaging – cases where I got help #FROM MY WORKSTATION

Emanuele Neri, Pisa/IT; Perry J. Pickhardt, Madison, WI/US

Learning objectives:

- › To learn how AI tools can help you in daily clinical practice
- › To become familiar with the interaction of radiologist and AI
- › To understand the potential of AI tools in certain clinical scenarios

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III

ET 14 Basic IR skills – how to boost your abdominal interventions #SINGLE TOPIC

Viktor Linovs, Riga/LV; Olga Brook, Boston, MA/US

Learning objectives:

- › To discuss which levels of personal expertise and surgical back-up are needed to start with different group of interventions (biopsies, drainages, biliary, vascular/angiography)
- › To realise what external conditions are needed to have an optimised workflow to get an abdominal IR service started and running
- › To teach basic technical competences for common IR procedures (liver biopsy, abdominal drainage, PTCO)

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II

ET 15 Challenges in bile duct imaging #QUESTIONS FROM MY COLLEAGUE

Davide Ippolito, Monza/IT; Jeong-Min Lee, Seoul/KR

Learning objectives:

- › To identify the pearls and pitfalls of diagnostic imaging modalities
- › To appreciate the role of imaging modalities in different clinical scenarios
- › To recommend imaging algorithms for appropriate patient management

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II

ET 16 Abdominal lymphoma – diseases it can mimic #FROM MY WORKSTATION

Maite Urizar Gorosarri, Bilbao/ES; Manca Garbajs, Maribor/SI

Learning objectives:

- › To learn about the different presentations at imaging of abdominal lymphoma
- › To know how to use different imaging modalities
- › To become familiar with more uncommon patterns of presentation

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THURSDAY, MAY 30 – ESGAR TUTORIALS

09:00 – 09:45

ET 17 The ESGAR/ESUR practical guidelines for CT in acute abdomen #SINGLE TOPIC

Ingrid Millet, Montpellier/FR; Sabine Schmidt Kobbe, Lausanne/CH

Learning objectives:

- › To know about CT protocols tailored to specific clinical presentations
- › To learn the pros and cons of low dose CT in acute abdomen
- › To understand when to use enteral contrast medium



10:00 – 10:45

ET 18 How to use imaging to diagnose an internal hernia and its complications #FROM MY WORKSTATION

Patrice Taourel, Montpellier/FR; Joost Nederend, Eindhoven/NL

Learning objectives:

- › To recall the different types of internal herniation
- › To learn tip and tricks to diagnose internal herniation
- › To know about the complications of internal herniation and how to diagnose these



11:00 – 12:00

ET 19 Challenge yourself with tricky cases #FROM MY WORKSTATION

Tae Kyoung Kim, Toronto, ON/CA; Riccardo Sartoris, Clichy/FR

Learning objectives:

- › To learn a structured approach to lesions in upper abdominal solid organs
- › To know how to use different imaging modalities for differential diagnosis of lesions in upper abdominal solid organs
- › To become familiar with uncommon lesions and evolutions in upper abdominal solid organs



12:45 – 13:45

ET 20 Editorial Tutorial: Meet the Editors – all you need to know to get published #OPEN FORUM

Moderators: Martina Scharitzer, Vienna/AT; Andrzej Cieszanowsky, Warsaw/PL

Speakers:

Christine Menias, Phoenix, AZ/US

Yves Menu, Paris/FR

Luis Martí-Bonmatí, Valencia/ES

Simon Jackson, Plymouth/UK

Learning objectives:

- › To understand the process of choosing the most appropriate journal for potential publication of a scientific manuscript
- › To become familiar with common reasons why a scientific manuscript is rejected and how to avoid them
- › To become acquainted with the rapidly evolving natural language processing tools and their role in radiological literature



THURSDAY, MAY 30 – ESGAR TUTORIALS

12:45 – 13:30

ET 21 The pancreatic dilemma #OPEN FORUM

Gianni Morana, Treviso/IT; Martina Pezzullo, Brussels/BE



Learning objectives:

- › To understand the cross-section imaging findings that can help in the differential diagnosis between inflammation and cancer
- › To be aware of the limitation of cross-section imaging modalities in the diagnostic process
- › To be aware of the importance to integrate clinical and laboratory findings in the clinical decision-making process

14:45 – 15:30

ET 22 Adopting PSOGI guidelines in imaging of peritoneal carcinomatosis #SINGLE TOPIC

Franco Iafrate, Rome/IT; Vincent Vandecaveye, Leuven/BE



Learning objectives:

- › To learn about the guidelines for peritoneal carcinomatosis
- › To understand in which clinical and imaging settings to use the guidelines
- › To know key elements important for imaging quality according to the guidelines

ET 23 Liver recurrence after chemotherapy or local treatment of metastases – how to detect on CT/MRI #SINGLE TOPIC

Casper Muhl, Maastricht/NL; Dow-Mu Koh, London/UK



Learning objectives:

- › To know how imaging is used in the follow up after treatment of liver metastases
- › To know how to optimise imaging for treatment planning
- › To learn about early signs of recurrence after local treatment of liver metastases

09:00- 10:30 **LS 5** **STAGING OF COLON CANCER – IT IS NOT ALWAYS SIMPLE**

Moderators: Andrea Laghi, Rome/IT; Lennart Blomqvist, Stockholm/SE



09:00 **The difficult colon cancer – what do I need to know from imaging?**

Dejan Ignjatovic, Lørenskog/NO (Surgeon)

Learning objectives:

- › To learn about the importance certain patterns of local tumour spread of particular importance for surgical planning of colonic cancer
- › To be aware of potential surgical challenges related to colon cancer
- › To become familiar with the challenges and prognostic importance of D3 lymphadenectomy in colon cancer

09:20 **The difficult colon cancer – anatomical aspects at imaging of importance for surgical planning**

Anne Negård, Lørenskog/NO

Learning objectives:

- › To recall the basics of relevant anatomy of the colon on CT
- › To understand why certain anatomical areas are particularly challenging for the surgeon and how to help
- › To become familiar with different CT post processing techniques for visualisation of colon cancer and related anatomy

09:40 **Radiological staging of colon cancer – how do I do it?**

Soren Rafaelsen, Vejle/DK

Learning objectives:

- › To recall how computed tomography and magnetic resonance imaging are used to stage colon cancer
- › To understand how structured reporting can improve staging of the disease
- › To know in what situations MRI is preferred for staging

10:00 **Case-based discussion**



09:00 – 10:30 **LS 6** **PRESURGICAL ASSESSMENT OF THE LIVER – HOW TO ASSESS VOLUME AND FUNCTION**

Moderators: Ahmed Ba-Ssalamah, Vienna/AT; Aysegul Kahraman, Malatya/TR

09:00 **Liver surgery: Role of imaging for surgical preparation and navigation**

Helena Taflin, Gothenburg/SE

Learning objectives:

- › To become familiar with the most common surgical techniques for liver resection
- › To learn about ALPPS and other reconditioning liver techniques pre-surgery
- › To know about the role of intraoperative ultrasound in liver surgery

09:15 **How to perform quantitative liver MRI: Your 15 minutes crash course**

Jurgen Runge, Amsterdam/NL

Learning objectives:

- › To understand the basic acquisition techniques for hepatocyte specific MRI
- › To understand how the basic acquisition can be used to assess liver function
- › To learn how the use of different scanner capabilities may affect the results

09:30 **The optimal use of CT for presurgical assessment of liver metastases**

Sarah Pötter-Lang, Vienna/AT

Learning objectives:

- › To understand the acquisition techniques for preoperative CT of the liver
- › To know how the important questions needed to answer to the surgeon
- › To learn how to perform structured reporting to guide management

09:45 **Ultrasound-based techniques for hepatic assessment in metabolic chronic liver disease**

Marta Zerunian, Rome/IT

Learning objectives:

- › To understand the importance to know about portal hypertension before liver resection
- › To know about the information that US can provide before liver resection
- › To learn about liver and spleen elastography as a tool for predicting liver failure after resection

10:00 **Case-based discussion**

11:00 – 12:15 **SOE 3** **IMAGING OF HILAR CHOLANGIOCARCINOMA AND ITS MIMICKERS**



Moderators: Piero Boraschi, Pisa/IT; Arye Blachar, Tel Aviv/IL

11:00 **Hilar cholangiocarcinoma**

Evangelos Chartampilas, Thessaloniki/GR

Learning objectives:

- › To describe expected imaging features of hilar cholangiocarcinoma
- › To become familiar with appropriate imaging protocol for detecting hilar cholangiocarcinoma
- › To learn how to locally stage and assess resectability of hilar cholangiocarcinoma

11:30 **Mimickers of hilar cholangiocarcinoma**

Hyun-Jung Jang, Toronto, ON/CA

Learning objectives:

- › To become familiar with benign mimickers of hilar cholangiocarcinoma and their imaging appearances
- › To learn about malignant mimickers of hilar cholangiocarcinoma and their imaging appearances
- › Tips on how to differentiate hilar cholangiocarcinoma from its mimickers

12:00 **Q & A**

11:00 – 12:30 **IGT 2** **PORTAL HYPERTENSION, PORTAL VEIN RECANALISATION AND TRANSJUGULAR PROCEDURES (CASE-BASED APPROACH)**



Moderators: Thomas Helmberger, Munich/DE; Christoph D. Becker, Geneva/CH

11:00 **Imaging findings in portal hypertension**

Carolina Terra, Coimbra/PT

Learning objectives:

- › To become familiar with the pathophysiology of portal hypertension
- › To understand the diagnostic accuracy of imaging findings associated with portal hypertension (ascites, liver volume, liver surface, spleen size, collaterals)
- › To appreciate in a case-based fashion with the different degrees of portal hypertension

11:20 **Transjugular liver biopsy and HVPG measurement**

Miltiadis Krokidis, Athens/GR

Learning objectives:

- › To become familiar with techniques and procedural steps for liver biopsy and HVPG measurement
- › To learn about indications for transjugular liver biopsy and HVPG measurements
- › To appreciate in a case-based fashion and acknowledge the standard techniques as well as potential pitfalls

11:40 **TIPSS**

Christian Stroszczyński, Regensburg/DE

Learning objectives:

- › To become familiar with the techniques and procedural steps for TIPSS
- › To learn about indications for TIPSS in recurrent ascites and the early TIPSS concept
- › To learn about potential complications and follow-up after TIPSS in a case-based fashion

12:00 **Portal vein recanalisation**

Martin Delle, Stockholm/SE

Learning objectives:

- › To learn about the various causes of portal occlusions or stenoses
- › To become familiar with the procedural steps and access options for portal vein recanalisation
- › To review interesting case studies highlighting potential complications and pitfalls

12:20 **Q & A**

14:30 – 16:00 **LS 7** **ESGAR – ESUR JOINT SESSION: PITFALLS IN IMAGING OF THE ABDOMEN AND PELVIS AND HOW TO AVOID THEM**

Moderators: Marc Zins, Paris/FR (ESGAR President); Michele Bertolotto, Trieste/IT (ESUR President)



14:30 **Hepatobiliary and pancreas**

Nikolaos Kartalis, Stockholm/SE

Learning objectives:

- › To become familiar with pitfalls in imaging of the hepatobiliary system and pancreas
- › To understand the etiological role of technical, physiological and perception factors
- › To develop strategies in order to avoid them

14:50 **Gastrointestinal tract**

Aida Kapic Lunder, Lørenskog/NO

Learning objectives:

- › To become familiar with pitfalls in imaging of the gastrointestinal tract
- › To understand the etiological role of technical, physiological and perception factors
- › To develop strategies in order to avoid them

15:10 **Male urogenital**

Harriet Thoeny, Fribourg/CH

Learning objectives:

- › To become familiar with pitfalls in imaging of the urogenital system in the male patient
- › To understand the etiological role of technical, physiological and perception factors
- › To develop strategies in order to avoid them

15:30 **Female urogenital**

Maria Milagros Otero Garcia, Vigo/ES

Learning objectives:

- › To become familiar with pitfalls in imaging of the urogenital system in the female patient
- › To understand the etiological role of technical, physiological and perception factors
- › To develop strategies in order to avoid them

15:50 **Q & A**

14:30 – 16:00 **LS 8** **RADIOLOGISTS GUIDING SURGEONS IN THE RIGHT ILIAC FOSSA**

Moderators: Isabelle Boulay-Coletta, Paris/FR; Julien B.C.M. Puylaert, The Hague/NL



14:30 **Surgical pathology in the right iliac fossa – when to stop, pause or go?**

James Stephenson, Leicester/UK

Learning objectives:

- › To become familiar with the clinical approach to investigating symptoms in the right iliac fossa
- › To know the key questions asked by surgeons and how to answer them
- › To understand how imaging modalities contribute to the decision to operate

14:50 **The hot right iliac fossa**

Deniz Akata, Ankara/TR

Learning objectives:

- › To appreciate the spectrum of acute pathology in the right iliac fossa
- › To know how to make the best use of different imaging modalities in the work-up
- › To understand how to combine clinical information and a pattern approach to make the diagnosis

15:10 **The cold right iliac fossa**

Rebecca Greenhalgh, London/UK

Learning objectives:

- › To appreciate the spectrum of non-acute pathology in the right iliac fossa
- › To know how to make the best use of different imaging modalities in the work-up
- › To understand how to combine clinical information and a pattern approach to make the diagnosis

15:30 **Case-based discussion**



14:45 – 16:00 **SOE 4** **BUGS IN THE ABDOMEN**

Moderators: Pablo Rodríguez Carnero, Madrid/ES; Serdar Aslan, Giresun/TR

14:45 **Imaging abdominal parasitic infections**

Ezgi Guler, Izmir/TR

Learning objectives:

- › To become familiar with the most common parasitic infections in the liver
- › To become familiar with the most common parasitic infections in the GI tract
- › To describe the imaging features of parasitic infections involving the liver and GI tract

15:15 **Imaging abdominal manifestations of fungal infections**

Ilkay Idilman, Ankara/TR

Learning objectives:

- › To become familiar with the most common fungal infections in the liver and biliary system
- › To become familiar with the most common fungal infections in the spleen
- › To describe the imaging features of fungal infections involving the abdomen

15:45 **Q & A**

16:30 – 17:00 **HL 2** **ASAR HONORARY LECTURE**

Moderator: Marc Zins, Paris/FR

The role of liver imaging in the whole-process management of hepatocellular carcinoma

Bin Song, Chengdu/CN

17:00 – 18:00 **PS 3** **CLINICAL FILES**

Moderator: Nikolaos Kartalis, Stockholm/SE

Panellists Team 1:

Jeong Hee Yoon, Seoul/KR

Uli Fehrenbach, Berlin/DE

Panellists Team 2:

Joanna Podgorska, Warsaw/PL

Ali Karaosmanoglu, Ankara/TR

FRIDAY, MAY 31 – ESGAR TUTORIALS

08:00 – 08:45

ET 24 “Hot and cold pancreas” #SINGLE TOPIC

Fatih Akisik, Indianapolis, IN/US; Charikleia Triantopoulou, Athens/GR

Learning objectives:

- › To recall the spectrum of acute, chronic and autoimmune pancreatitis
- › To know about the imaging features of pancreatitis and its complications
- › To learn about the role of imaging in the management of pancreatitis



ET 25 Hepatocyte specific MR imaging of the liver for use in clinical practice #FROM MY WORKSTATION

Nina Bastati-Huber, Vienna/AT; Anja Brodjnak, Maribor/SI

Learning objectives:

- › To know about the key elements for successful hepatocyte specific MR imaging
- › To learn about tricks and tips regarding evaluation of images
- › To understand challenges when performing hepatocyte specific imaging



ET 26 Imaging colorectal cancer with synchronous liver metastases – what you need to know #SINGLE TOPIC

Stephen Skehan, Dublin/IE; Giorgia Porrello, Palermo/IT

Learning objectives:

- › To know about the importance of the stage of colorectal cancer and extent of metastases for sequential treatment planning
- › To know how to optimise imaging for treatment planning
- › To learn about situations where treatment of both metastases and primary tumour is feasible



ET 27 Mesenteric ischemia – the challenging cases #QUESTIONS FROM MY COLLEAGUE

Paul Calame, Besançon/FR; Pablo Rodríguez Carnero, Madrid/ES

Learning objectives:

- To identify the pearls and pitfalls of diagnostic imaging modalities
- To appreciate the role of imaging modalities in different clinical scenarios
- To recommend imaging algorithms for appropriate patient management



ET 28 Abdominal applications of photon-counting CT (PCCT): What does it bring us? #SINGLE TOPIC

Damiano Caruso, Rome/IT; Anders Persson, Linköping/SE

Learning objectives:

- › To become familiar with the principles of PCCT
- › To learn the requirements for successful PCCT implementation
- › To understand the pros and cons of PCCT in abdominal applications



FRIDAY, MAY 31 – ESGAR TUTORIALS

ET 29 Gallbladder – spectrum of pathology to be aware of #SINGLE TOPIC

Mirko D’Onofrio, Verona/IT; tbc



Learning objectives:

- › To recall the management of gallbladder polyps
- › To know how to differentiate between benign and malignant gallbladder lesions
- › To be familiar with inflammatory and infectious gallbladder diseases

ET 30 Joint ESGAR-ESPR Tutorial: Paediatric hepato-biliary MRI – the most difficult diagnostic challenges #SINGLE TOPIC

Charlotte De Lange, Gothenburg/SE; Ilze Apine, Riga/LV



Learning objectives:

- › To understand how clinical information and adequate patient preparation prior to MR imaging studies help enhance the diagnostic yield
- › To describe basic and advanced body MRI techniques that are being increasingly applied in paediatric body MRI, including quantitative methods
- › To review the principles of interpretation related to focal liver lesions and biliary diseases

09:00 – 09:45

ET 31 Cross sectional imaging of the small bowel – Crohn’s disease and beyond #SINGLE TOPIC

Jeroen Tielbeek, Heemstede/NL; Tanya Chawla, Toronto, ON/CA



Learning objectives:

- › To understand the role of CT, MRI and ultrasound in evaluating the small bowel according to the specific clinical indication
- › To appreciate the appearances of common benign and neoplastic disorders of the small bowel and how to form a differential diagnosis
- › To learn how to run a high quality small bowel imaging service

ET 32 Primary sclerosing cholangitis: What to be aware of on follow up MRI #SINGLE TOPIC

Annika Bergquist, Stockholm/SE; Aristeidis Grigoriadis, Stockholm/SE



Learning objectives:

- To know about how MRI is used for follow-up of PSC
- To learn about important signs indicating progressive disease
- To understand how to identify complications to PSC

ET 33 Multimodality imaging of NET – it is not always easy #SINGLE TOPIC

Clarisse Dromain, Lausanne/CH; Christine Schmid-Tannwald, Munich/DE



Learning objectives:

- › To learn about the different tricky presentations of abdominal NET
- › To know how to use different imaging modalities
- › To become familiar with more advanced imaging techniques used

FRIDAY, MAY 31 – ESGAR TUTORIALS

10:00 – 10:45

ET 34 MRI of perianal fistula #SINGLE TOPIC

Jaap Stoker, Amsterdam/NL; Francesca Maccioni, Rome/IT

Learning objectives:

- › To understand the role of MRI in the clinical management of perianal fistulas
- › To know how to classify perianal fistulas and assess disease activity
- › To learn how imaging findings contribute to the further work-up, including how to define response to treatment

#LVL
II

ET 35 Modern treatment options for HCC – radioembolisation as a new curative option #SINGLE TOPIC

Elena Bozzi, Pisa/IT; Inger Keussen, Stockholm/SE

Learning objectives:

- › To understand the concept and special dosimetry needed for curative-intended radioembolisation of HCC
- › To understand indication, contraindications and the place of this technique in the BCLC algorithm compared to other curative options
- › To discuss practical cases including imaging appearance of treated segments in F/U (CT, MRI and PET-CT)

#LVL
III

11:00 – 12:00

ET 36 The one-hour guide for training and quality assurance in CT colonography #SINGLE TOPIC

Andrew Plumb, Esher/UK; Thomas Mang, Vienna/AT; Anu Obaro, London/UK



Learning objectives:

- › To know the training requirements for performing CT colonography
- › To understand the minimum level of experience required for reading CT colonography
- › To learn about quality assurance in CT colonography

#LVL
II

11:00 – 11:45

ET 37 PET/MRI: when to use in clinical practice #SINGLE TOPIC

Alessandra Borgheresi, Ancona/IT; Andrea Agostini, Ancona/IT

Learning objectives:

- › To learn about how PET/MRI can be implemented in clinical practice
- › To know certain situations where PET/MR had advantages compared to other imaging modalities
- › To understand challenges with PET/MR compared to other imaging modalities

#LVL
III

ET 38 Spleen – the abdominal organ that should not be overlooked #FROM MY WORKSTATION

Katja de Paepe, Boston, MA/US; Antonio J. Madureira, Porto/PT

Learning objectives:

- › To know about an imaging algorithm for diagnosing splenic diseases
- › To recall the differential diagnoses in diffuse splenic diseases
- › To learn to characterise focal splenic lesions

#LVL
II

FRIDAY, MAY 31 – ESGAR TUTORIALS

12:45 – 13:30

ET 39 Soft Skill Tutorial 2: Tool set for effective patient communication

Speakers: David Breen, Southampton/UK; Cindy Chew, Glasgow/UK



Learning objectives:

- › To appreciate the importance of a good communication between the radiologist and the patient before and during an examination
- › To understand how direct explanations before imaging and interventional procedures can reduce patient anxiety
- › To discuss the pros and cons of communicating the results to the patient

09:00 – 10:30 **LS 9** **TOO SMALL TO CHARACTERISE IN THE RIGHT UPPER QUADRANT**

Moderators: Pablo R. Ros, Stony Brook, NY/US; Filipe Caseiro Alves, Coimbra/PT



09:00 **The indeterminate small liver lesion in the healthy liver – when and how to follow up**

Yves Menu, Paris/FR

Learning objectives:

- › To learn the pros and cons of ultrasound, CT and MRI in characterising small liver lesions
- › To discuss the role of radiologists in management of incidental indeterminate small liver lesions in the healthy liver
- › To know how to report these incidental small liver lesions for primary care

09:20 **Indeterminate small liver lesions in patients with diffuse liver disease – how to manage**

Musturay Karçaaltincaba, Ankara/TR

Learning objectives:

- › To learn about the challenges associated with small liver lesions in patients with liver disease and the role of US, CT and MRI
- › To know strategies for improving the accuracy in the characterisation of small liver lesions in patients with liver disease
- › To know how to manage a new small indeterminate liver lesion from an MDT's perspective

09:40 **The incidental gallbladder polyp – what to do**

Asuncion Torregrosa Andrés, Valencia/ES

Learning objectives:

- › To understand the role of ultrasound, CT and MRI in characterising gallbladder polyps
- › To become familiar with international consensus guidelines regarding diagnostic management
- › To know the management of gallbladder polyps

10:00 **Q & A**

10:05 **Case-based discussion**

09:00 – 10:30 **LS 10** **GASTRIC CANCER – ROLE OF IMAGING IN GASTRIC CANCER MANAGEMENT**

Moderators: Maria Antonietta Mazzei, Siena/IT; Panagiotis Prassopoulos, Thessaloniki/GR



09:00 **Staging gastric cancer – which imaging modality?**

Saugata Sen, Kolkata/IN

Learning objectives:

- › To know imaging appearances of different gastric tumours
- › To learn about the role of different imaging modalities available for primary staging of gastric cancer (EUS, MDCT, PET-CT, MRI-DWI)
- › To discuss the value of structured reporting and the role of the radiologist in the MDT

09:20 **Predicting histopathological response of locally advanced gastric cancer to neoadjuvant chemotherapy (NAC)**

Frank Wessels, Utrecht/NL

Learning objectives:

- › To learn about key points to address when assessing treatment response
- › To become familiar with different available quantitative methods for assessing response using cross-sectional imaging
- › To discuss the potential added value of novel methods for assessing treatment response

09:40 **Hybrid imaging for restaging of gastric cancer**

Vincent Vandecaveye, Leuven/BE

Learning objectives:

- › To learn how FDG PET/CT can contribute to the assessment of therapy response of gastric cancer
- › To become familiar with new radiotracers available for gastric cancer imaging, their pros and cons and clinical availability
- › To discuss potential role of integrated PET-MRI for gastric cancer assessment

10:00 **Case-based discussion**

11:00 – 12:15 **SOE 5** **BASICS OF MULTI-ENERGY CT IMAGING**

Moderators: Davide Bellini, Rome/IT; Bibi Martens, Maastricht/NL



11:00 **Concept of multi-energy CT**

Luis Guimaraes, Porto/PT

Learning objectives:

- › To learn about the basics of multi-energy CT imaging
- › To learn about required post processing of multi-energy CT imaging
- › To go through the pros and cons of multi-energy CT in clinical practice focusing in abdominal and GI imaging

11:30 **Clinical applications of multi-energy CT in the abdomen**

André Euler, Baden/CH

Learning objectives:

- › To learn about abdominal protocols using multi-energy CT
- › To learn about GI protocols using multi-energy CT
- › To discuss about potential future clinical applications

12:00 **Q & A**

11:00 – 12:30 **IGT 3** **HEPATOBIILIARY SURGERY AND IR – GUIDING THE SURGICAL HAND**

Moderators: Lars Grenacher, Munich/DE; Christian Stroszczyński, Regensburg/DE



11:00 **Liver volumetry – how does it work**

Jessica Yang, Sydney, NSW/AU

Learning objectives:

- › To be familiar with the vascular liver anatomy, typical anatomical resections and the concept of the future liver remnant
- › To learn about liver volumetry tools and how to perform manual segmentation
- › To appreciate typical findings and potential pitfalls with semi-automatic algorithms

11:15 **Methods to increase the future liver remnant**

Christoph J. Zech, Basel/CH

Learning objectives:

- › To learn about recent IR techniques to increase the future liver remnant (portal vein embolisation and liver vein deprivation)
- › To become familiar with embolic agents suitable for these procedures
- › To appreciate the cases of portal vein embolisation and liver vein deprivation

11:30 **Fluid collections post hepatobiliary surgery – when and how to drain**

Ian Zealley, Dundee/UK

Learning objectives:

- › To learn about cross-sectional imaging findings in patients after hepato-biliary and pancreatic surgery
- › To become familiar with different drainage techniques
- › To appreciate typical cases of drainage of hematoma, seroma, bilioma and abscesses

11:45 **Bleeding post hepato-biliary surgery – what can IR offer**

Marco Dioguardi Burgio, Clichy/FR 

Learning objectives:

- › To learn about pathological conditions post hepato-biliary and pancreatic surgery which are at risk for bleeding complications
- › To learn how to establish a treatment strategy based on imaging findings
- › To appreciate typical cases of IR treatments option for post-surgical bleeding

12:00 **Panel discussion with cases**

14:00 – 15:00 **PS 4** **NICK GOURTISOYIANNIS FOUNDATION COURSE ON RAD-PATH CORRELATION: RECTUM**

Moderators: Lennart Blomqvist, Stockholm/SE; Bengi Gurses, Istanbul/TR

#LVL
I+II

14:00 **The mystery of the mesorectal disease in rectal cancer: Benign or malignant?**

Ines Santiago, Lisbon/PT; Marilyne Lange, Amsterdam/NL (pathologist)

Learning objectives:

- › To know about the different patterns of tumour spread within the mesorectum
- › To learn about current imaging and histopathological criteria for mesorectal tumour spread
- › To become familiar with current imaging challenges and controversies regarding the role of imaging to define mesorectal tumour spread

14:30 **Mesorectal fascia in rectal cancer: Is there invasion or not?**

Chikako Suzuki, Stockholm/SE; Marilyne Lange, Amsterdam/NL (pathologist)

Learning objectives:

- › To know the imaging anatomy of the mesorectal fascia
- › To learn about how to correlate involvement of the mesorectal fascia by imaging with the assessment of the surgical specimen
- › To become familiar with current imaging challenges and controversies regarding the role of imaging to define mesorectal fascia involvement

15:00 – 16:00 **PS 5** **NICK GOURTISOYIANNIS FOUNDATION COURSE ON RAD-PATH CORRELATION: PANCREAS**

Moderators: Celso Matos, Lisbon/PT; Christoforos Stoupis, Maennedorf/CH

#LVL
I+II

15:00 **Cancer developing in patients with intraductal papillary mucinous neoplasms: Concomitant vs. associated**

Raffaella Pozzi-Mucelli, Stockholm/SE; Caroline Verbeke, Oslo/NO (pathologist)

Learning objectives:

- › To know about the different patterns of malignancy development in patients with IPMN
- › To learn about the imaging criteria for malignancy development
- › To become aware of the implications in the surveillance strategy

15:30 **Pancreatic cancer post neoadjuvant treatment: Is there fibrosis, tumour or both?**

Marc Zins, Paris/FR; Caroline Verbeke, Oslo/NO (pathologist)

Learning objectives:

- › To learn about the histopathological criteria for assessment of tumour response to neoadjuvant treatment
- › To become aware of the imaging challenges in the differentiation of tumour from fibrosis after neoadjuvant treatment
- › To understand the implications in the clinical management and patient prognosis

WEDNESDAY, MAY 29, 2024

08:45 WELCOME AND INTRODUCTION

09:00 – 10:30 CTC 1 BASIC PRINCIPLES AND IMAGING FEATURES

Anu Obaro, London/UK
Riccardo Ferrari, Rome/IT



Learning objectives:

- › Explain how to read CTC datasets
- › Discuss characteristics of 2D and 3D imaging techniques and why a combined approach is preferable
- › Explain how to interpret colonic findings and describe important imaging features

11:00 – 12:30 CTC 2 HOW TO DETECT AND CHARACTERISE CANCERS

Damian Tolan, Leeds/UK
Marjolein Liedenbaum, Fana/NO

Learning objectives:

- › Colon cancer cases (typical/atypical)
- › Various cancer morphologies and stages
- › Screen detected cancers (early stage)

14:30 – 16:00 CTC 3 DIFFERENTIAL DIAGNOSIS OF POLYPOID LESIONS

Daniele Regge, Turin/IT
Thomas Mang, Vienna/AT

Learning objectives:

- › Typical polyp morphologies: Sessile and pedunculated
- › Adenomatous and non-adenomatous polyps
- › Lipomas

THURSDAY, MAY 30, 2024

09:00 – 10:30 CTC 4 HOW TO DETECT NONPOLYPOID - FLAT LESIONS

Franco Iafrate, Rome/IT
Andrew Plumb, Esher/UK

Learning objectives:

- › Nonpolypoid (flat) lesion cases
- › Serrated lesions
- › Carpet lesions
- › Contrast coating

11:00 – 12:30 CTC 5 UNUSUAL AND DIFFICULT CASES: HOW TO SOLVE THEM

Nicola Flor, Milan/IT
Martina Morrin, Dublin/IE

Learning objectives:

- › Challenging or atypical cases
- › Important differential diagnoses
- › Uncommon pathologies
- › Difficult polyp cases/situations
- › Complicated or irregular lesions

14:30 – 16:00 CTC 6 DIAGNOSTIC PROBLEMS, ERRORS AND TROUBLESHOOTING

Philippe Lefere, Roeselare/BE
Stefaan Gryspeerdt, Roeselare/BE

Learning objectives:

- › Pitfall cases, important mimics
- › Danger anatomical regions
- › Diagnostic dilemmas
- › Problem solving

WEDNESDAY, MAY 29, 2024

08:00 – 08:45 AUS 1 LIVER CEUS APPLICATIONS

Moderator: Arturas Samuilis, Vilnius/LT

Liver CEUS applications and guidelines

Keynote lecture: Vito Cantisani, Rome/IT

Learning objectives:

- › To become familiar with CEUS technique and contrast media
- › To learn about the main applications of CEUS in the liver in daily practice including an overview of the current guidelines
- › To learn about CEUS role among other imaging modalities (CT/MR) and among ultrasound modalities (CEUS as part of multiparametric ultrasound)

09:00 – 10:30 AUS 2 CEUS LIRADS AND TIPS AND TRICKS

Moderator: Christophe Aubée, Angers/FR

CEUS LIRADS

Keynote lecture and case discussion: Tommaso V. Bartolotta, Palermo/IT

Learning objectives:

- › To learn about the CEUS LIRADS classification and for which patient cohort it can be used
- › To learn the patterns of HCC and differential diagnoses on CEUS in non-cirrhotic liver
- › To learn the patterns of HCC and differential diagnoses on CEUS in cirrhotic liver

CEUS as problem solving tool, tips and tricks for best performance

Keynote lecture and case discussion: Vasileios Rafailidis, Thessaloniki/GR

Learning objectives:

- › To learn about typical pitfalls in CEUS examinations of the liver
- › To learn strategies for CEUS-guided procedures
- › To become familiar with post-processing of CEUS images/series Interactive discussion of the cases from daily routine

11:00 – 12:30 **AUS 3** **CEUS APPLICATIONS IN FOCAL LIVER LESIONS**

Moderator: Christoph J. Zech, Basel/CH

CEUS in Benign focal liver lesion

Keynote lecture and case discussion: Vito Cantisani, Rome/IT

Learning objectives:

- › To learn about the CEUS pattern of benign liver lesions
- › To learn FLL CEUS differential diagnostic tips and tricks in daily practice
- › To learn an optimized approach for potentially benign incidental FLL

CEUS in malignant focal liver lesions

Keynote lecture and case discussion: Maija Radzina, Riga/LV

Learning objectives:

- › To learn about the main malignant focal liver lesion characteristics on CEUS
- › To learn FLL CEUS differential diagnostic tips and tricks in daily practice
- › To learn about value of CEUS as compared to other imaging modalities

14:30 – 16:00 **AUS 4** **CEUS FOR GUIDANCE AND EVALUATION OF LIVER INTERVENTIONS**

Moderator: Sara Sehlstedt, Östersund/SE

Post-treatment evaluation of liver with CEUS

Keynote lecture and case discussion: Olivier Lucidarme, Paris/FR

Learning objectives:

- › To learn about imaging findings on CEUS of the liver after locoregional treatment
- › To learn about acute complications after those treatments including vascular complications after liver transplantation and their appearance on CEUS
- › To learn how to diagnose local tumor recurrence after locoregional or surgical treatments

Hands-on US-guided interventions

Viktors Linovs, Riga/LV; Christoph J. Zech, Basel/CH

Learning objectives:

- › To practice handling of the probe in US-guided interventional procedures
- › To practice needle visualization for US-guided biopsies in a chicken-breast / phantom
- › To learn about tips and tricks/technique for a safe and efficient US-guided biopsy

THURSDAY, MAY 30, 2024

08:00 – 08:45 AUS 5 LIVER FIBROSIS AND STEATOSIS US ASSESSMENT

Moderator: Vito Cantisani, Rome/IT

What is the role of US in quantification of liver fibrosis and steatosis

Keynote lecture: Valerie Vilgrain, Clichy/FR

Learning objectives:

- › To learn about the technical background of US for assessing liver fibrosis and steatosis
- › To learn about the role of advanced US techniques (attenuation patterns and shear wave elastography technique) for characterization of those entities
- › To learn about current use in clinical practice according to recent guidelines

09:00 – 10:30 AUS 6 LIVER FIBROSIS AND STEATOSIS: HOW I DO IT?

Moderator: Maija Radzina, Riga/LV

US elastography and steatosis quantification made easy: The basic concepts

Keynote lecture: Vasileos Rafailidis, Thessaloniki/GR

Live DEMO Liver

Vito Cantisani, Rome/IT

Hands-on US-Elastography

Emilio Quaia, Padua/IT; Vito Cantisani, Rome/IT; Maija Radzina, Riga/LV

Learning objectives:

- › To learn how to practically perform US-Elastography and steatosis quantification in the liver
- › To learn how to optimize image quality for those techniques
- › To learn about pitfalls in interpretation of the results and how to avoid them

11:00 – 12:30 **AUS 7** **QUANTIFICATION OF DIFFUSE LIVER DISEASE**

Moderator: Raminte Luksaite, Vilnius/LT

Liver fibrosis and portal hypertension assessment

Keynote lecture and case discussion: Christophe Aubé, Angers/FR

Learning objectives:

- › To learn about the clinical relevance of liver fibrosis and portal hypertension
- › To describe typical imaging findings and relation between fibrosis and hypertension risk assessment
- › To show typical cases of liver fibrosis and patients with portal hypertension

Liver steatosis quantification: Advances and limitations

Keynote lecture and case discussion: Tommaso V. Bartolotta, Palermo/IT

Learning objectives:

- › To learn about the clinical relevance of liver steatosis
- › To learn about typical imaging findings in liver steatosis
- › To show typical cases of patients with various degrees of liver steatosis

14:30 – 16:00 **AUS 8** **NON-LIVER CEUS APPLICATIONS**

Moderator: Vasileos Rafailidis, Thessaloniki/GR

Non-liver abdominal CEUS applications, bile ducts and gallbladder

Keynote lecture and case discussion: Demosthenes Cokkinos, Athens/GR

Learning objectives:

- › To learn about the technique of CEUS in non-liver applications of CEUS, overview of the guidelines
- › To learn about the main diagnostic intravascular and intracavitary applications of CEUS in abdominal organs in daily practice
- › To learn about the main gallbladder and bile ducts lesion characteristics on CEUS

Small bowel CEUS applications, CEUS role in IBD diagnostics and follow-up

Keynote lecture and case discussion: Emilio Quaia, Padua/IT

Learning objectives:

- › To learn about the main CEUS imaging pattern of the small bowel
- › To learn about the role of CEUS in IBD diagnostics and follow-up including current guidelines
- › To learn about typical imaging pattern of patients with IBD before and after treatment

HELPFUL INFORMATION

BADGES

Name badges will be mailed to participants who register until the second deadline. In case you do not receive your badge in the mail please visit the registration counter at the venue upon your arrival. Participants with a badge on hand may proceed to the fastlane registration.

CONGRESS VENUE

You will find the Swedish Exhibition & Congress Centre in the heart of the city of Gothenburg. With a vibrant city life next door you have a walking distance to shopping, restaurants and sport/music arenas. Airport buses travel to and from Landvetter Airport (approx. 20 min. journey) stopping at Korsvägen/Svenska Mässan. They run directly between these stops.

Svenska Mässan
Mässans gata 24
412 51 Gothenburg, Sweden

LETTER OF INVITATION

The Central ESGAR Office is pleased to provide you with a formal invitation letter as soon as ESGAR has received your registration AND payment. It is understood that such an invitation is intended to help potential delegates to raise funds or to obtain a visa. This does not imply any commitment for ESGAR to provide financial funds or accommodation!

LIABILITY

ESGAR is not liable for personal injury and loss of or damage to private property. Participants should obtain the appropriate travel insurance. The place of performance of any duties and obligations for both ESGAR and the participant's sides shall be Vienna, Austria. Any contractual relationship with ESGAR shall be subject to Austrian law.

CONGRESS LANGUAGE

The meeting will be held in English.

PASSPORT AND VISA

If you are a citizen of a country outside the EU and you want to visit Sweden (and the other Schengen countries), you may need to apply for a visa. A visa is a permit to enter a country and stay there for less than 90 days. Whether you need a visa depends on what country you are from or if you have a residence permit in another Schengen country or if you are permanently living in an EU country.

REGISTRATION

To register for ESGAR 2024, please use the online registration tool on the ESGAR Website www.esgar.org

All registrations are handled by
ESGAR
Esslinggasse 2/3
AT – 1010 Vienna, Austria
E-Mail: registration@esgar.org

REGISTRATION FEES

Early Fee	December 13, 2023 – February 29, 2024
Middle Fee	March 1 – April 24, 2024
Onsite Fee	from April 25, 2024 onwards

	Early Fee	Middle Fee	Late/Onsite
ESGAR Faculty Member	€ 490.00	€ 490.00	€ 490.00
ESGAR Member***	€ 690.00	€ 790.00	€ 890.00
Non Member	€ 990.00	€ 1,190.00	€ 1,290.00
Resident* (ESGAR Member)	€ 350.00	€ 450.00	€ 550.00
Resident* (Non-Member)	€ 450.00	€ 550.00	€ 650.00
Radiographer/Technician/Nurse (ESGAR Member)*	€ 350.00	€ 450.00	€ 550.00
Radiographer/Technician/Nurse (Non-Member)*	€ 450.00	€ 550.00	€ 650.00
Medical Student**	€ 65.00	€ 90.00	€ 120.00
Industry Delegate	€ 990.00	€ 1,290.00	€ 1,390.00

The registration fees include 25% Swedish VAT..

* Residents and radiographers/technician/nurse must send or fax a letter from their head of department confirming their status as a resident or radiographer within 7 days of completed online registration. In case this confirmation is not received, the registration fee will be automatically adjusted to a regular fee. The age limit for registrations as resident is 35 (incl. the age of 35).

** Medical students under the age of 30 without academic title can register for this fee. Please send a student proof (student ID or letter of university incl. date of birth).

*** Reduced registration fees for ESGAR members are only applicable for members in good standing.

DEADLINE FOR ADVANCE REGISTRATION WITH REDUCED FEES IS APRIL 24, 2024.

REGISTRATION FEE INCLUDES

- Admittance to all sessions (onsite or on-line), scientific exhibition (ESGAR Posters), technical exhibition
- Access to all on demand content (recorded sessions, poster exhibition, etc.) until September 1, 2024
- Final Programme (in print) and Book of abstracts (on-line version)
- Certificate of Attendance
- CME Certificate
- Two coffee breaks per day

HOTEL ACCOMMODATION

The ESGAR 2024 venue, the Swedish Exhibition & Congress Centre (Swedish: Svenska Mässan) offers fully integrated hotel facilities at the Gothia Towers Hotel. Rooms in different categories are offered to participants and the hotel booking can be changed or cancelled until one week prior to arrival.

We therefore recommend booking your room directly at Gothia Towers via the link from the ESGAR 2024 website.

To secure your accommodation, please make your reservation via the online tool as soon as possible. All requests will be handled

on a first come first served basis. The online payment process is fully encrypted, to protect credit card transactions. Please note that ESGAR is an intermediary between yourself and GOTHIA TOWERS HOTEL. ESGAR supports compliance with ethical standards and therefore emphasises that the participants shall bear all costs in this context themselves.

Further hotels are available within walking distance to the congress centre. We recommend using [booking.com](https://www.booking.com) or any other hotel platform.



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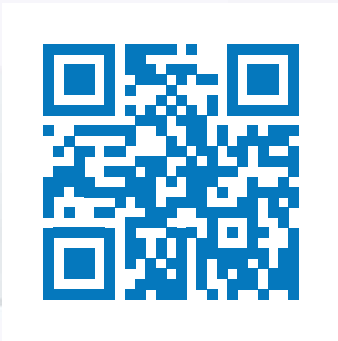


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