



## ONLINE UNIVERSITY DEGREE



Online courses



Delivered in English

# HEPATOBIILIARY AND GASTROINTESTINAL IMAGING – EXPERT LEVEL

### Contact

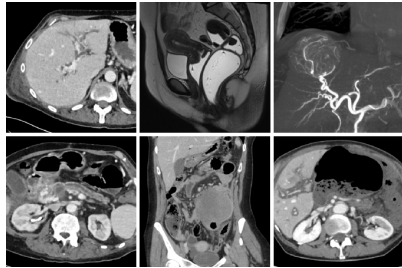
Stéphanie REMAITRE  
28 rue Roger Amsler  
49045 ANGERS  
FRANCE  
stephanie.remaître@univ-angers.fr

### Academic coordinators

Pr Christophe AUBÉ  
Pr Anita PAISANT  
University Hospital of Angers

### Website

[www.univ-angers.fr/fcsante](http://www.univ-angers.fr/fcsante)



French Society of Abdominal and Gastrointestinal Imaging



French Society of Radiology and Medical Imaging

## Overview

This program aims to provide advanced subspecialty training in hepatobiliary and gastrointestinal imaging at an expert level.

The program is delivered entirely in English and online. It includes recorded lectures in various formats (traditional lectures, clinical cases, and guidelines). Each lecture is accompanied by a clinical case with questions ensuring continuous assessment. At the end of each module, a live clinical case session is organized to allow interaction with the experts. Continuous assessment and the final examination are also conducted online.

The program is delivered by leading specialists in digestive imaging from numerous universities and institutions. Forums enable communication with the faculty and the instructional coordinator, who ensures the smooth running of the training.

## Learning Outcomes

- Deliver expert-level subspecialty training in hepatobiliary and gastrointestinal imaging, with a strong focus on multimodality approaches and complex abdominal pathologies, in line with current international standards
- Strengthen advanced diagnostic imaging expertise through comprehensive, case-based and evidence-based knowledge
- Develop high-level clinical decision-making skills by mastering the appropriate selection, integration, and prioritization of imaging techniques in complex clinical scenarios

## Target Audience

- Radiologists
- Fellowship



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Update | June 2026 | Printed by UA reprographics

28 rue Roger Amsler | CS 74521 | 49045 Angers |  
Cedex 01 | FRANCE | Tél. +332 41 73 58 00  
fcsante@contact.univ-angers.fr

## Teaching

### Module 1 : Liver and biliary tract

Module coordinators : Prof. Christophe Aubé and Prof. Anita Paisant

- Non-cirrhotic hepatic dysmorphism
- Hepatic steatosis – advanced level
- Other hepatic storage diseases (beyond steatosis)
- Vascular liver diseases – clinical cases – advanced level
- Benign liver tumors – advanced level
- Rare liver tumors
- Hepatic pseudotumors
- Cholangiocarcinoma – advanced level
- Liver metastases – advanced level
- Hepatic capsule diseases
- Post-liver transplantation imaging findings
- How to use hepatospecific contrast agents – advanced level
- Contrast-enhanced liver ultrasound
- Ultrasound elastography

- MRI elastography
- Role of spectral CT in hepatobiliary diseases
- Indications for PET-MRI in digestive diseases
- Live interactive clinical case session

### Module 2 : Pancreas

Module coordinator : Prof. Mathilde Wagner

- Pancreatic anatomical variants and related complications
- Rare solid pancreatic tumors
- Rare cystic pancreatic tumors
- Cystic pancreatic tumors: practical approach
- Restaging after neoadjuvant treatment for pancreatic cancer
- Metabolic imaging of pancreatic neuroendocrine tumors
- Advanced pancreatitis: atypical presentations and diagnostic pitfalls
- Live interactive clinical case session

### Module 3 : Spleen, Peritoneum, Lymphatic System, and Abdominal Wall

Module coordinator : Prof. Christine Hoeffel

- Advanced peritoneal anatomy
- High-risk anatomical variants
- Lymphatic diseases of the trunk
- Uncommon peritoneal lesions
- Diffusion and perfusion imaging in oncology; whole-body MRI: indications in abdominal pathology
- Aeric pitfalls in abdominal imaging
- Diaphragmatic diseases
- Live interactive clinical case session

### Module 4 : Emergency and Trauma

Module coordinator : Prof. Ingrid Millet

- Rare traumatic injuries (blunt and penetrating)

- Rare non-traumatic diseases of the digestive tract
- Differential diagnoses of digestive emergencies
- Internal hernias
- Post-interventional radiology emergencies
- Acute esophageal condition
- Live interactive clinical case session

### Module 5 : Digestive Tract

Coordinateur : Prof. Céline Savoye-Collet

- Chronic inflammatory bowel diseases – level 2
- Anoperineal fistulas – level 2
- Postoperative imaging of the gastrointestinal tract, after and outside bariatric surgery – level 2
- Colonic tumors – level 2
- Post-therapeutic imaging of rectal cancer
- Anal canal cancer

- Specific features of digestive neuroendocrine tumors
- Pelvic space lesions
- Pelvic floor disorders
- Live interactive clinical case session

### Module 6 : Interventional Radiology

Module coordinator : Prof. Jean-Pierre Tasu

- Indications for radiology treatments of hepatic tumors in cirrhotic patients
- Indications for radiology treatments of liver metastases
- Indications and follow-up of radiology treatments for portal hypertension and portal vein thrombosis
- Role of interventional imaging in abdominal trauma
- Indications and follow-up of interventional radiology treatments for biliary and pancreatic diseases

- Interventional radiology and hepatic surgery: how to support the surgeon
- Post-SIRT and post-CEL imaging
- Indications for treatment of necrotizing acute pancreatitis
- Imaging of endoscopic treatments and combined therapies

### Module 7 : Updates and Recommendations

Module coordinator : Prof. Maxime Ronot

- AI and radiomics : what's new in clinical practice ?
- How to stay up-to-date ?
- Key diagnostic studies not to be missed in recent years
- Key interventional studies not to be missed in the past two years
- New technology monitoring
- Abdominal Imaging and pregnancy

## Key information

### Learning mode and assessment :

- Duration : 56 hours (+ online exam 1,5 hours + 5 hours interactive sessions)
- Schedule :  
Applications : From May 1 to July 10 2026  
Course : October 2026 to June 2027
- Remote learning : lectures, clinical cases and live sessions with experts
- Continuous assessment (30% of the final grade) and final exam (70% of the final grade)
- This course awards ECTS credits

### Practical information:

- Application: online via the University of Angers website
- Tuition fees : 740 € (+ university fees – 178€ in 2025)

Visit our website



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