

UCL International Hepatology ULTRASOUND COURSE

20TH-21ST SEPTEMBER

LONDON

ROYAL FREE HOSPITAL

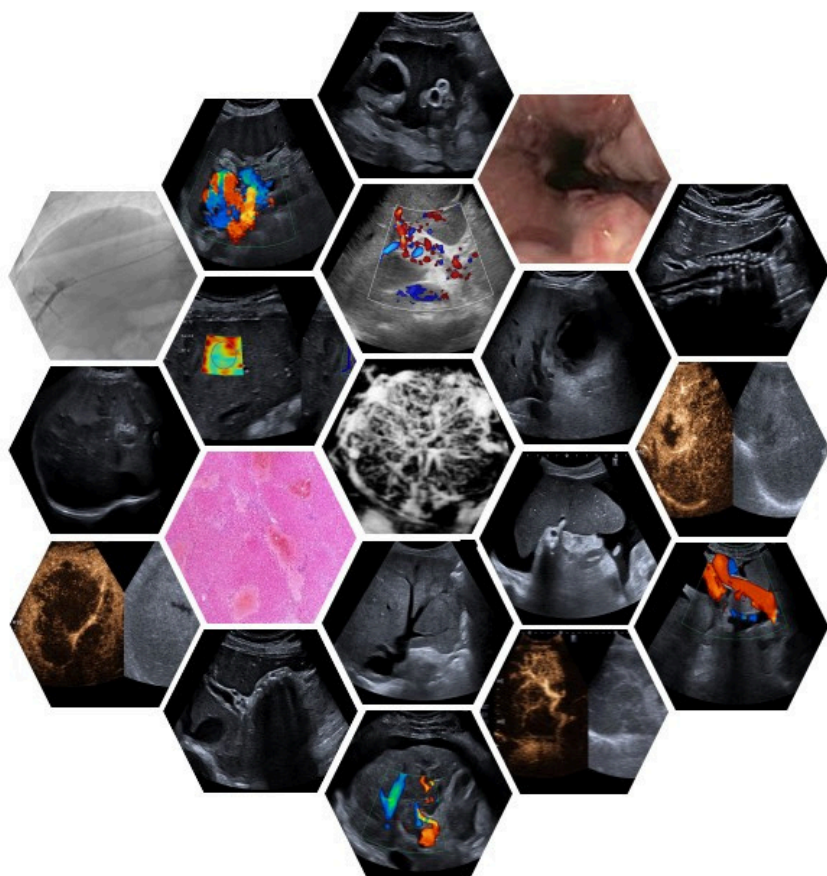
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15 CPD POINTS

Join us for an in-depth course led by internationally recognised experts in the field of hepatology and non-invasive liver disease assessment on how to use ultrasound and elastography in liver disease in different clinical scenarios.

Each day includes practical sessions with healthy volunteers and, depending on availability, real patients.

COURSE INFORMATION

We are pleased to invite you to register for the UCL International Hepatology Ultrasound Course 2024, to be held in London at the Royal Free Hospital on the 20th – 21st of September.

Over the last few decades the understanding of liver disease and its management has improved considerably thanks to a variety of diagnostic tools that have provided crucial information on diffuse liver disease, its severity, and prognosis. The diagnostic accuracy for characterizing focal pathology has also sped up the time for diagnosis, hence improving patient's prognosis.

This “package” of tools falls under the general term of “non-invasive assessment of liver disease” and includes B-Mode ultrasound, colour Doppler analysis, contrast enhanced ultrasound, liver and spleen elastography, as well as the use of biomarkers and scoring systems. In other terms it includes all those instruments that non-invasively provide information on liver anatomy, physiology and pathology by visualising its structure and connections as well as being able to evaluate its elasticity that is a surrogate of fibrosis, and to a further extent, of portal hypertension hence directly correlating to the progression and prognosis of chronic liver disease.

Non-invasive assessment of liver disease has become a crucial tool in clinical practice and a fundamental part of the clinical knowledge of gastroenterologists and hepatologists. The “International Hepatology Ultrasound Course” focuses on the most important topics of clinical hepatology introducing the use of ultrasound in clinical practice as well as the use of more recent technologies such as elastography and fat quantification, highlighting the “pearls and pitfalls” of these important diagnostic resources.

Delegates will have the opportunity to be guided by internationally recognised experts in the field of hepatology and non-invasive liver disease assessment on how to use ultrasound and elastography in liver disease in different clinical scenarios following the most recent guidelines with a clinical, practical and friendly approach. The 2-day course will start from the basics of medical ultrasound to normal liver anatomy and splanchnic circulation and further proceeding to discuss liver pathology from acute and chronic liver disease of different aetiologies to biliary pathology, vascular liver diseases, infectious and tropical disease with liver involvement, paediatrics and liver transplant.

The second day will complete the pathological overview and then will be dedicated to the use of advanced techniques such as elastography, fat quantification and contrast enhanced ultrasound as well as the presentation of real clinical cases and how these techniques can lead to a rapid and accurate bedside diagnosis. Each day will be accompanied and completed by practical sessions on healthy volunteers and, depending on the availability, on real patients.

This course is valid for **15** CPD points.

COURSE REGISTRATION

Delegates in training: £300

Registered consultants: £400

Refreshments and lunch are included in the course fee

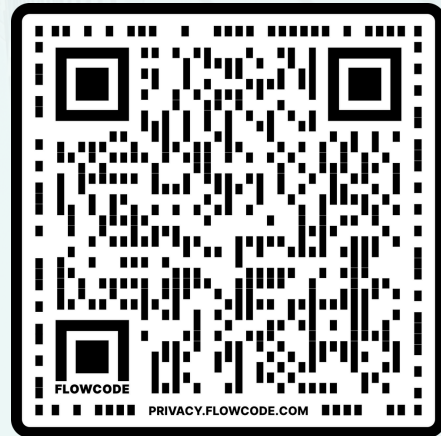


COURSE INFORMATION

Venue Address:

The Atrium
The Royal Free Hospital
Pond Street
Hampstead
London, NW3 2QG

The Atrium is situated in the centre of the hospital on the ground floor, opposite WH Smiths and next to M&S.



Nearest Stations:

Belsize Park Station

7 minute walk, 3 stops on the Northern Line from Euston (easy access for National Rail and Eurostar)

Hampstead Heath Station

A few minutes walk away, and offers links across North and West London

COURSE PRESIDENT

Prof. Emmanuel Tsochatzis
University College London, UK

DIRECTOR & ORGANISER

Dr Matteo Rosselli
University College London, UK

FACULTY MEMBERS

Dr Gayathri Angela Yogarajah
Royal Free Hospital, UK

Dr Giovanna Ferraioli
University of Pavia, Italy

Prof. Adrian Lim
Imperial College London, UK

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Dr Davide Roccarina
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ORGANISERS

Dr Sujit Mukherjee
University College London, UK

Dr Jade King
University College London, UK

COURSE PROGRAMME

Day 1: Friday, 20th September

08:30 *Registration*

Chaired by: Dr Matteo Rosselli and Prof. Adrian Lim

09:00 Introduction – Prof. Emmanuel Tsochatzis and Dr Matteo Rosselli

09:10 Basics of ultrasound physics and their application to liver imaging – Prof. Adrian Lim

09:30 How to use an ultrasound machine: Knobology – Prof. Adrian Lim

09:45 Introduction to normal liver ultrasound – Prof. Alina Popescu
– normal liver anatomy
– ultrasound semantics

10:15 Ultrasound assessment of the pancreas – Prof. Ioan Sporea

10:30 Liver circulation – Dr Matteo Rosselli

10:45 Concepts of Doppler and Colour Doppler Analysis – Dr Giovanna Ferraioli

11:05 *Refreshment break*

11:30 Practical session in small groups: Hands-on normal anatomy

13:00 *Lunch break*

Chaired by: Prof. Alina Popescu and Prof. Annalisa Berzigotti

13:40 Diffuse liver disease acute and chronic – Dr Matteo Rosselli

14:00 Focal lesions: benign, malignant and the use of CEUS in differential diagnosis – Prof. Adrian Lim and Prof. Ioan Sporea

14:30 Biliary pathology – Prof. Alina Popescu

14:50 Ultrasound assessment of portal hypertension – Prof. Annalisa Berzigotti

15:10 Ultrasound in vascular liver diseases – Prof. Annalisa Berzigotti

15:30 Ultrasound in liver disease in the paediatric patient – Dr Annamaria Deganello

16:00 *Refreshment break*

16:15 Practical session in small groups: Hands-on pathology

18:15 *Close of Day 1*



COURSE PROGRAMME

Day 2: Saturday, 21st September

Chaired by: Dr Matteo Rosselli and Dr Giovanna Ferraioli

- 08:45 Liver ultrasound in infectious diseases and limited resource countries - Dr Tom Heller
- 09:30 Point-of-care ultrasound in liver disease - Dr Matteo Rosselli
- 09:50 Ultrasound in liver transplant - Dr Gayathri Angela Yogarajah
- 10:20 Elastography - basic concepts and different elastographic techniques - Dr Giovanna Ferraioli
- 10:40 Liver elastography guidelines - Dr Giovanna Ferraioli
- 11:00 *Refreshment break*
- Chaired by: Prof. Ioan Sporea and Prof. Annalisa Berzigotti
- 11:15 Elastography in cirrhotic and non-cirrhotic portal hypertension - from guidelines to clinical practice - Prof. Annalisa Berzigotti
- 11:40 Elastography in different liver disease aetiologies - Dr Matteo Rosselli
- 12:00 Ultrasound advanced techniques (fat quantification and viscosity) - Dr Giovanna Ferraioli
- 12:20 Multiparametric ultrasound in MASLD - Dr Davide Roccarina
- 12:50 *Lunch break*
- 13:30 Interactive clinical cases
- 15:00 Practical session in small groups: Hands-on elastography - normal findings
- 16:15 *Refreshment Break*
- 16:30 Practical session in small groups: Hands-on elastography - pathological findings
- 18:00-18:15 *End of the course and closing remarks*

