

# **EASL School**

## **Liver Intensive Care**

### **King's College Hospital & Royal Free London**

Date 20-21 June 2025  
London, United Kingdom

#### **EASL School summary:**

#### **Course organisers:**

Dr Brian Hogan, Consultant in Liver Critical Care & Hepatology  
Dr Tasneem Pirani, Consultant in Liver Intensive Care & ECMO  
Professor William Bernal, Professor of Liver Intensive Care

#### **Faculty list with institution:**

Professor Julia Wendon, Professor of Liver Intensive Care, King's College Hospital, London  
Professor George Auzinger, Professor of Critical Care, King's College Hospital, London  
Professor Rajiv Jalan, Professor of Hepatology, University College London  
Dr Mark McPhail, Reader and Consultant in Liver Intensive Care, King's College Hospital, London  
Dr Florent Artru, Hepatologist, CHU Rennes  
Professor Banwari Agarwal, Professor of Liver Critical Care, Royal Free London  
Dr Robert Loveridge, Consultant in Liver Intensive Care & ECMO, King's College Hospital, London  
Dr Chris Willars, Consultant in Liver Intensive Care & ECMO, King's College Hospital, London  
Dr Sameer Patel, Consultant in Liver Intensive Care & ECMO, King's College Hospital, London  
Professor Michael Spiro, Consultant in Liver Critical Care & Anaesthesia, Royal Free London  
Dr Clare Morkane, Consultant in Liver Critical Care & Anaesthesia, Royal Free London  
Dr Lara Roberts, Consultant in Haematology, King's College Hospital, London  
Dr Emmanuel Wey, Consultant in Infection, Royal Free London  
Dr David Patch, Consultant Hepatologist, Royal Free London  
Dr Rohit Saha, Consultant in Critical Care Medicine, Royal Free London

#### **Any other information (optional):**

The faculty and organisers will be supported by the team of Liver Intensivists and Hepatologists at both the Royal Free Hospital and King's College Hospital.

**Detailed programme:** add rows to complete the programme including coffee break, lunch, group work etc. Please note that students must be able to travel in the afternoon of the second day.

DAY 1		
0800	Registration & Coffee	Faculty
0830	Welcome Address and introduction to the school format	Faculty
0845	What is Liver Intensive Care? – how subspeciality critical care improves outcomes for people with liver disease	B Hogan
0920	<b>STATE OF THE ART LECTURE 1</b> Epidemiology & current challenges in Acute Liver Failure	W Bernal
1000	Coffee	
1100	Pre-course Quiz Feedback	Faculty
1130	<b>STATE OF THE ART LECTURE 2</b> Acute-on-Chronic Liver Failure – understanding the syndrome	R Jalan
1210	Extra-hepatic surgery, assessing pre-operative risk and managing the decompensation	G Auzinger
1245	Lunch Organisation into 6 groups with 5-6 students in each	Faculty
1330	<p>Case Centered Working Groups</p> <p>Resources: Pre-reading   Case Study   Template Slides   Mentor</p> <p><b>Group 1: Hyperacute Liver Failure</b></p> <ul style="list-style-type: none"> <li>• <b>Focus on preventing cerebral oedema and when to transplant a patient with acetaminophen associated Hyperacute ALF.</b> <ul style="list-style-type: none"> <li>○ <b>Neuro monitoring</b></li> <li>○ <b>Vasoplegia / TPE</b></li> <li>○ <b>Who benefits from Liver Transplant</b></li> </ul> </li> </ul> <p><b>Group 2: Severe Hypoxaemia in a transplant candidate</b></p> <ul style="list-style-type: none"> <li>• <b>Pre-operative assessment, on-table deterioration, Pro's- and con's of extracorporeal cardiac life support</b> <ul style="list-style-type: none"> <li>○ <b>HPS and PHT Definitions</b></li> </ul> </li> </ul>	<p>R Loveridge J Wendon B Agarwal</p> <p>S Patel M Spiro / C Morkane C Willars</p>

	<ul style="list-style-type: none"> <li>○ <b>Post-operative Refractory hypoxaemia</b></li> <li>○ <b>Indications for ECLS</b></li> </ul> <p><b>Group 3: Management of Cirrhosis in ICU</b></p> <ul style="list-style-type: none"> <li>• <b>Optimal care bundle for the management of organ failure in patients with cirrhosis</b></li> <li>• <b>Encephalopathy/Ascites/Renal Replacement/Fluid Management</b></li> </ul> <p><b>Group 4: Acute on Chronic Liver Failure – ‘Scoop and Transplant’</b></p> <ul style="list-style-type: none"> <li>• <b>Prognostication &amp; Defining Futility: Rapid assessment and listing of a patient with cardiovascular risk factors / sarcopaenia</b></li> </ul> <p><b>Group 5: Bleeding and Clotting</b></p> <ul style="list-style-type: none"> <li>• <b>Optimal management of a patient with ACLF complicated by acute variceal haemorrhage</b></li> </ul> <p><b>Group 6: Infection in Liver Intensive Care</b></p> <ul style="list-style-type: none"> <li>• <b>Multi-drug resistant infection and possible invasive fungal infection in a patient with ACLF awaiting liver transplant.</b></li> </ul>	<p>T Pirani M McPhail</p> <p>B Hogan F Artru R Loveridge</p> <p>L Roberts D Patch W Bernal</p> <p>E Wey G Auzinger R Saha</p>
1530	<p>Learning from experience: complex cases from the Liver Intensive Care Unit</p> <ul style="list-style-type: none"> <li>• Resuscitation of the patient with ALF, management of severe vasoplegic shock.</li> <li>• Infection – Pulmonary Fungal Infection post LT</li> <li>• When the bleeding doesn't stop – when to TIPS in ACLF – refractory portal hypertension.</li> <li>• Heparin induced thrombocytopenia and recurrent thrombosis in a patient Transplanted for Budd-Chiari</li> </ul>	<p>B Hogan</p> <p>E Wey</p> <p>D Patch</p> <p>L Roberts</p>
1745 – 18.15	<p><b>STATE OF THE ART LECTURE 3</b></p> <p>Extra-corporeal liver support in the Liver Intensive Care Unit</p>	<p>J Wendon, UK</p>

2000	Dinner	

DAY 2		
0800	The dysregulated Immune response in Acute-on-Chronic Liver Failure	M McPhail
0830	Case Presentation by the groups in front of the whole Faculty  0830 – 0900 Group 1  0900 – 0930 Group 2  0930 – 1000 Group 3  1000 – 1030 Group 4  1030 – 1045 Coffee  1045 – 1115 Group 5  1115 – 1145 Group 6	Whole Faculty
1200	<b>STATE OF THE ART LECTURE 4</b> Transplantation for ACLF	Florent Artru
1240	Case Based Management of Post-Liver Transplant Complications	T Pirani
1315	Lunch & post-course Quiz	Faculty
1400	Feedback and Final questions to the Faculty	Faculty
1430	Prizes, Conclusions and Farewell	Faculty