



PROGRAM

1st Essen Hepatitis E Symposium

February 14 - 16, 2019
Essen, Germany



1st Essen Hepatitis E Symposium

General Information.....	8
Program	9
Sponsors	13
Invited Speakers	14

1st Essen Hepatitis E Symposium

14 - 16 February 2019

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Dept. of Gastroenterology and Hepatology
Essen University Hospital

Conference Office

Katharina Menke
Dept. of Gastroenterology and Hepatology
Essen University Hospital



Dear colleagues and friends!

Hepatitis E virus infection is the most common cause of acute viral hepatitis in Europe. The number of diagnosed cases increased dramatically in many countries during recent years but we are only in the beginning to understand the true importance of this infectious disease. Over the last years it became evident that HEV infection may take chronic courses in immunocompromised individuals, that a variety of extrahepatic manifestations are possibly caused

by HEV, that antiviral therapy with ribavirin is effective in many but not all patients with persistent infection, that pigs are an important animal reservoir even though a variety of other animals may become infected with HEV, and that the virus can be transmitted by blood products- which has been underestimated in many countries. In addition, there is emerging data in basic virology and immunology leading to a better understanding of the pathophysiology of HEV-induced hepatitis.

Considering this growing interest in hepatitis E, we feel that is timely to discuss and exchange the emerging data both in clinical as well as in basic science. We therefore invite you to participate in the international Essen Hepatitis E Symposium. The symposium will take on the campus of Essen University Hospital in the heart of the Rhine-Ruhr area, the largest metropolitan region in Germany with over 10 million inhabitants. Essen has been the European Capital of Culture in 2010 and the European Green Capital in 2017.

On behalf of the International Organizing Committee, I invite you to join us in Essen in February 2019!

Heiner Wedemeyer

Venue

Universitätsklinikum Essen

Deichmann Auditorium

Building: Lehr- und Lernzentrum (Teaching & Learning Centre)

Virchowstraße 163a • 45147 Essen



Arriving by public transport



From Central Station, take the U17 towards Margarethenhöhe to the University Hospital. Get off at the „Holsterhauser Platz“ stop.



Tram line 101/106 and Bus lines 160 and 161 stop at the main entrance of the University Hospital of Essen.



There is a taxi rank beside the main entrance on Hufelandstraße.



Transportation from Düsseldorf International Airport: Take a taxi or a train (S1, RE1, RE6, RE11) to Essen Hauptbahnhof (Essen Central Station) and continue on either U17 to Holsterhauser Platz station or Tram line 106 to „Klinikum“.

Arriving by car

Essen University Hospital is located about 1.3 miles southwest of the central station in the Holsterhausen district. Inside the city, signs will guide you to the hospital (Universitätsklinikum). Coming from out of town, you will reach the hospital via the following highways:



Exit Essen/Gladbeck

Heading toward Essen, turn right onto B 224. Follow the Universitätsklinikum signs from the intersection of Gladbecker Straße and Grillostraße.



Highway Intersection Essen-Nord

Turn onto B 224, Gladbecker Straße, heading toward Essen. Follow the signs from the intersection of Gladbecker Straße and Grillostraße



Exit Essen-Holsterhausen/-Altendorf

If you are arriving from Dortmund, turn left. If you are coming from Duisburg, turn right. Follow the Universitätsklinikum signs when leaving the exit ramp.



Exit Essen-Rüttenscheid

Follow the Universitätsklinikum signs when leaving the exit ramp.



Parking

Parking decks are located near the main entrance on Hufelandstraße and Virchowstraße. Parking fees apply. Gates are open around the clock.

General Information

Start of Meeting

Thursday, 14th February 2019 4:30 p.m.
Registration opens after 3:00 p.m.

End of Meeting

Saturday, 16th February 2019 2:00 p.m.

Registration

Registration Forms can be downloaded at
www.uk-essen.de/gastroenterologie

Registration Fees

Regular Fee 250 €
Students Free (please bring your student ID card)

CME Credits

Application for CME credits submitted.
An Attendance chart is located at the registration desk.

Program

Thursday, 14 February 2019

4.30 p.m.	Registration	
5.00 p.m.	Welcome and opening	J. Buer, Essen
5.15 p.m.	Hepatitis Research in Essen and Germany	H. Wedemeyer, Essen

Session 1: HEV History & Epidemiology

Chair: D. Moradpour, Lausanne

6.00 p.m.	Hepatitis E: The European Story	H. Dalton, Truro
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Friday, 15 February 2019

Session 2: HEV Virology + Immunology I

Chair: J. Izopet, Toulouse / S. C. Kenney, Virginia

8.30 a.m.	HEV Virology: Basics and recent insights	J. Gouttenoire, Lausanne
9.00 a.m.	Development of a reverse genetics and replicon system for hepatitis E virus	F. Cierniak, Insel Riems
9.15 a.m.	Vectorial Release of Hepatitis E Virus from Polarized Human Hepatocytes	S. Chapuy-Regaud, Toulouse
9.30 a.m.	Recombinant Hepatitis E Viruses Harboring Tags in the ORF1 Protein Allow Visualization of the Viral Replicase	D Szkolnicka, Lausanne
9.45 a.m.	Robust hepatitis E virus infection in tissue culture by a replication enhancing mutation	D. Todt, Bochum

10.00 a.m. Coffee Break

Session 3: HEV Virology + Immunology II

Chair: Q. Pan, Rotterdam / J. Gouttenoire, Lausanne

10.30 a.m.	Innate Immunology in HEV infection	V.L. Dao Thi, Heidelberg
11.00 a.m.	HEV-specific adaptive Immunity	E. Barnes, Oxford
11.30 a.m.	MDA5 inhibits hepatitis E virus replication through induction of interferon-like response partially via the JAK-STAT cascade	Y Li, Rotterdam
11.45 a.m.	Hepatitis E Virus adapts to cell culture, but shows less mutagenesis in immune compromised hosts	G. Sari, Rotterdam
12.00 p.m.	Use of the cell culture-adapted HEV genotype 3c strain 47832c for studying virus replication cycle, in-activation, neutralization and antiviral drug activity	J. Scholz, Berlin

12.15 p.m. Lunch Break

POSTER SESSIONS during Lunch Break

HEV Virology	E. Steinmann, Bochum
HEV Immunology	A. Kraft, Hannover
HEV in animals / Food Safety	T. Bock, Berlin

Session 4: HEV Epidemiology & Natural History

Chair: H. Dalton, Truro / H. Wedemeyer, Essen

2.00 p.m.	Natural History of HEV	R. Aggarwal, Lucknow
2.30 p.m.	Extrahepatic Manifestations	A. van der Eijk, Rotterdam
3.00 p.m.	Quasi-enveloped virus and capsid protein in the urine and blood of hepatitis E virus genotype 3-infected immunocompromised patients	O. Marion, Toulouse
3.15 p.m.	Hepatitis E Outbreak, Nigeria, 2017	B. Wang, Berlin

3.30 p.m. Coffee Break

Session 5: HEV in Animals & Food Safety

Chair: T. Vanwolleghem, Rotterdam / M.H. Groschup, Greifswald

4.00 p.m.	Animal Models	P. Meuleman, Ghent
4.30 p.m.	HEV and Food Safety	R. Johne, Berlin
5.00 p.m.	Effect of genotype 1 hepatitis E virus (HEV) ORF4 protein on genotype 3 HEV replication in vitro; steps towards a swine model for HEV pregnancy mortality	K. Yadav, Wooster
5.15 p.m.	Switzerland – An island regarding the genetic diversity of the Hepatitis E virus?	I. Specker, Zurich

5.30 p.m. Wine & Cheese

POSTER SESSIONS

HEV Natural History / Extrahepatic Manifestations / Epidemiology	M. Faber, Berlin
Blood Product Safety	T. Horvatits, Hamburg
Antiviral Therapy / Vaccine Development	P. Behrendt, Hannover

Saturday, 16 February 2019

Session 6: Prevention of HEV Infection & Blood Product Safety

Chair: H.L. Zaaier, Amsterdam / S. Pischke, Hamburg

9.00 a.m.	Transfusion and Hepatitis E	V. Mallet, Paris
9.30 a.m.	Hepatitis E and allogeneic haematopoietic stem cell transplantation: a French nationwide SFGM-TC retrospective study	A. Xhaard, Paris
9.45 p.m.	The yield of HEV donor screening in the Netherlands	H. L. Zaaier, Amsterdam
10.00 a.m.	Hepatitis E Virus Prevalence In Flemish Blood Donors	A.-S. Vercouter, Ghent
10.15 a.m.	High resistance of Hepatitis E virus against commercial hand-disinfections	P. Behrendt, Hannover

10.30 a.m. Coffee Break

Session 7: Antiviral Therapy & Outlook

Chair: M. Cornberg, Hannover / H. Wedemeyer, Essen

11.00 a.m.	Antiviral Therapy	N. Kamar, Toulouse
11.30 a.m.	Defining Hepatitis E Virus specific CD8+ T Cell Repertoires for Therapeutic Regeneration of T Cells against Chronic Hepatitis E	C. F. Soon, Hannover
11.45 a.m.	Towards a novel RNAi and AAV vector-based gene therapy against Hepatitis E virus	C. Zhang, Heidelberg
12.00 p.m.	Struggling with chronic hepatitis E: failing courses of ribavirin, sofosbuvir, ivig, and pegylated interferon in a hematological patient	H. L. Zaaier, Amsterdam
12.15 p.m.	Zinc in addition to ribavirin represents a possible treatment option in chronically HEV genotype 3 ribavirin monotherapy non-responders	T. Horvatits, Hamburg
12.30 p.m.	Repurposing of the antihistamine drug depropine for treating hepatitis E virus infection	C. Qu, Rotterdam
12.30 p.m.	Panel Discussion: Unmet needs in HEV research	
1.00 p.m.	Closing remarks	H. Wedemeyer, Essen

Sponsors

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Invited Speakers

Rakesh Aggarwal

Dept. of Gastroenterology
Sanjay Gandhi Postgraduate Institute
of Medical Sciences
Lucknow / India

Eleanor Barnes

Nuffield Department of Medicine
Oxford University
Oxford / UK

Claus-Thomas Bock

Dept. of Infectious Diseases
Robert Koch-Institut
Berlin / Germany

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Royal Cornwall Hospital Trust
University of Exeter
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Viet Loan Dao Thi

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Jacques Izopet

Departement de Virologie
Institut Fédératif de Biologie (IFB)
Toulouse / France

Reimar Johne

Bundesinstitut für Risikobewertung
NRL für die Überwachung von Viren
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H.L. Zaaijer

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