

SAVE THE DATE



# ISHEN 20.23

GERMANY | Bad Zwischenahn

\_\_\_\_\_ 27-29 September 2023

# SYMPOSIUM



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## LEARN ABOUT

- ◆ the possible role of the blood brain barrier and the glymphatic system in the development of HE
- ◆ extracellular vesicles and their role in development, diagnosis and therapy of HE
- ◆ differences and similarities of HE in children and adults
- ◆ risk factors for the development of HE
- ◆ new therapeutic approaches

## DISCUSS

- ◆ the role of infection, inflammation and ammonia in the development of HE
- ◆ the various experimental models of HE
- ◆ the difficulties in differentiating HE from encephalopathy due to accompanying disorders
- ◆ current methods for diagnosing mHE
- ◆ HE as indication or contraindication for liver transplantation
- ◆ HE as contraindication and side effect of TIPSS
- ◆ the effect of underlying liver diseases upon the development and presentation of HE with special consideration of NASH/NAFLD, alcoholism, autoimmune liver diseases, hepatitis or Wilson's disease, for example

## PRESENT

- ◆ your recent work upon HE and alterations of nitrogen metabolism

## LOCAL ORGANIZATION COMMITTEE

### **Karin Weissenborn**

ISHEN president  
Department of Neurology

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**Hannover Medical School**

Hannover Medical School,  
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30625 Hannover, Germany

# WEDNESDAY SEPTEMBER 27<sup>TH</sup> 2023

09:30 a.m. **Welcome Address**

**09:40 – 12:00**

## **SESSION I**

### **BLOOD BRAIN BARRIER, GLYMPHATIC SYSTEM – AND HE**

09:40 – 10:05

#### **Blood Brain Barrier – Architecture and Function**

Stefan Liebner (D, Frankfurt)

10:05 – 10:25

#### **Blood Brain Barrier in HE**

Nicolas Weiss (F, Paris)

10:25 – 10:50

#### **The Glymphatic System**

Iben Lundgaard (SE, Lund)

10:50 – 11:10

#### **The Glymphatic System and HE**

Anna Hadjihambi (GB, London)

11:10 – 12:00

#### **Short Presentations**

12:00 – 13:30

#### **Lunch**

**13:30 – 15:32**

## **SESSION II**

### **INFECTION, INFLAMMATION AND HE**

13:30 – 13:55

#### **Pathophysiological View**

Vicente Felipo (E, Valencia)

13:55 – 14:20

#### **Clinical view**

Debbie Shawcross (GB, London)

14:20 – 15:30

#### **Short Presentations**

15:30 – 15:50

#### **Coffee Break**

**15:50 – 17:40**

## **SESSION III**

### **AMMONIA – STILL OF RELEVANCE?**

15:50 – 16:10

#### **Influencing Factors of Ammonia Metabolism in Patients with Liver Disease**

M. Romero-Gomez (E, Sevilla)

16:10 – 16:30

#### **Ammonia Toxicity Beyond the Brain**

Chris Rose (CDN, Montreal)

**WEDNESDAY SEPTEMBER 27<sup>TH</sup> 2023**

- 16:30 – 16:50      **Pros and Cons of Ammonia Measurement  
in Clinical Practice?**  
Rajiv Jalan (GB, London)
- 16:50 – 18:00      **Short Presentations**
- 18:00 – 20:00      **Poster Session**

**THURSDAY SEPTEMBER 28<sup>TH</sup> 2023****08:30 – 11:00****SESSION IV****APPROACHES TO UNDERSTAND THE PATHOPHYSIOLOGY OF HE**

- 08:30 – 08:50      **Energy Metabolism in HE: Impairment or Failure?**  
Michael Sorensen (DK, Aarhus)
- 08:50 – 9:15      **Extracellular Vesicles – their Role for  
Normal Brain Function**  
Eva-Maria Krämer-Albers (D, Mainz)
- 09:15 – 09:35      **Extracellular Vesicles – Possible Biomarkers and  
Mediators of HE or Even Targets or Means for  
New Therapies of HE?**  
Carmina Montoliu (E, Valencia)
- 09:35 – 10:00      **Possible Role of Cerebral Organoids for HE Research**  
Sophie Scholz (D, Berlin)
- 10:00 – 10:20      **Experimental Models of HE – a Critical Review**  
Sharon DeMorrow (US, Austin, Texas)
- 10:20 – 11:00      **Short Presentations**
- 11:00 – 11:20      **Coffee Break**

# THURSDAY SEPTEMBER 28<sup>TH</sup> 2023

11:20 – 12:30

## SESSION V DIAGNOSIS OF HE

11:20 – 11:45

### Critical Evaluation of the Currently Used Methods for Diagnosing HE

C. Labenz (D, Mainz)

11:45 – 12:30

### Short Presentations

12:30 – 13:30

### Lunch

15:15 – 17:30

## SESSION VI PROPHYLAXIS AND THERAPY OF HE

15:15 – 15:40

### Risk Factors for the Development of HE

Manuela Merli (I, Rome)

15:40 – 16:00

### Prophylaxis of HE: Current Standards and Developments

Aldo Torre (MEX, Mexico)

16:00 – 16:20

### Therapy of HE: Current Standards and Developments

Radha Dhiman (IND, Lucknow)

16:20 – 16:40

### Patterns of Care and their Effect upon the Prognosis of Patients with HE

Elliot Tapper (US, Michigan, Ann Arbor)

16:40 – 17:45

### Short Presentations

17:45 – 18:45

### Andy Blei Lecture: „Down the Road Towards HE“

#### The Workhorse Ureagenesis

Hendrik Vilstrup (DK, Aarhus)

#### The Elusive Ammonia

Peter Ott (DK, Aarhus)

# ISHEN 20.23

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\_\_\_\_\_ 27-29 September 2023

# FRIDAY SEPTEMBER 29<sup>TH</sup> 2023

08:30 – 10:05

## SESSION VII HE IN CHILDREN VERSUS ADULTS

08:30 – 08:55

### **Urea Cycle Defects: Genetically Encoded Hepatic Metabolic Disorders with a Potential for Encephalopathy**

A. M. Das (D, Hannover)

08:55 – 10:05

### **Round table: Similarities and Differences of HE Between Children and Adults**

*Moderation: Heiner Wedemeyer (D, Hannover) and Valerie McLin (CH, Geneva)*

Discussants: William Bernal (GB, London), Sara Montagnese (I, Padova), Akash Deep (GB, London), Anshu Srivastava (IND, Lucknow)

10:05 – 12:30 UHR

## SESSION VIII ETIOLOGIES OF LIVER DISEASE AND RISK OF ENCEPHALOPATHY

### **Encephalopathy in Patients and Experimental Animals with NASH/NAFLD**

10:05 – 10:25

**Experimental Data:** Anna Hadjihambi (GB, London)

10:25 – 10:45

**Clinical Data:** Karen Thomsen (DK, Aarhus)

10:45 – 11:05

### **Encephalopathy in Portal Hypertension without Liver Cirrhosis**

Shiv Kumar Sarin (IND, New Delhi)

11:05 – 11:30

**Coffee Break**

11:30 – 12:30

**Short Presentations**

12:30 – 14:00

**Lunch**

14:00 – 15:30

## SESSION IX HE AND LIVER TRANSPLANTATION

14:00 – 14:20

### **HE as Indication or Contraindication for Liver Transplantation**

J. Bajaj (US, Richmond)

# FRIDAY SEPTEMBER 29<sup>TH</sup> 2023

- 14:20 – 14:40 **Reversibility of Structural and Functional Alterations of HE**  
Henning Pflugrad (D, Hannover)
- 14:40 – 15:30 **Short Presentations**
- 15:30 – 15:50 **Coffee Break**

## 15:50 - 17:00 **SESSION X** **HE AND TIPSS**

- 15:50 – 16:10 **HE and TIPSS: Indications and Contraindications**  
Dominique Thabut (F, Paris)
- Reversal of Systemic Inflammation after TIPSS insertion**  
B. Maasoumy (D, Hannover)
- 16:10 – 17:00 **Short Presentations**
- 17:00 – 17:30 **Coffee Break**
- 17:30 **General Assembly of ISHEN Members**

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# GENERAL INFORMATION

## CONGRESS VENUE

Wandelhalle, Auf dem Hohen Ufer 24,  
26160 Bad Zwischenahn

## CONGRESS ORGANIZATION

This meeting is organized by  
B4C Solutions, Breslauer Straße 40,  
D-82194 Gröbenzell

If you have any queries or issues  
relating to your attendance at the  
conference, please contact  
Ms. Diana Heidenberger,  
*heidenberger@b4c-solutions.de*

Following the event, all queries should  
be directed to the ISHEN Administration  
office.

## OFFICIAL LANGUAGE

The official language of the conference  
is English.

## ABSTRACTS

Abstracts can be submitted from  
1. May – 15. June 2023. Please use the  
submission link on **[www.ishen.org](http://www.ishen.org)**

## ABSTRACT BURSARIES

Presenting authors of the best accepted  
abstracts who are aged 35 years or less  
(as of September 27, 2023) and/or are  
still in training are eligible for a travel  
bursary. Applications can be made  
during the abstract submission process.

## REGISTRATION

Registration fee is € 125,00 per day.

Registration for personal attendance via  
**[www.ishen.org](http://www.ishen.org)**

## ACCOMMODATION

Block hotel bookings have been made.

For vacancies please inquire at the  
following hotels:

HansenS Haus am Meer,  
Auf dem Hohen Ufer 25, 26160 Bad  
Zwischenahn, Tel. (0049) 4403 9400

Seehotel Fährhaus,  
Auf dem Hohen Ufer 8, 26160 Bad  
Zwischenahn, Tel. (0049) 4403 6000

Hotel Kämper,  
Georgstraße 12, 26160 Bad Zwischen-  
ahn, Tel. (0049) 4403 9260

## TOURIST INFORMATION

Leaflets detailing local attractions can  
be found at the Hotel reception desk. If  
you require information on local  
restaurants please ask at the Hotel  
reception desk.

Tourist Information Bad Zwischenahn:

Touristik-Service am Meer, Auf dem  
Hohen Ufer 24, 26160 Bad Zwischen-  
ahn, Germany

Tel.: (0049) 4403 619 159

Fax: (0049) 4403 619 158

[info@bad-zwischenahn-touristik.de](mailto:info@bad-zwischenahn-touristik.de)  
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