Calendar outline
Dear Friends and Colleagues,

During the last 2 years, hydrocephalus society global webinars series provided an opportunity to continue education and sharing of knowledge, despite the challenges imposed by Covid-19 epidemic and travel restrictions. We have all learned new ways of communication during that period; we continued to use these, even now that that global situation has now significantly improved. Webinars proved to be an effective way of spreading knowledge and sharing experience. The hydrocephalous society, is therefore, launching a new series of webinars in 2022-2023: Cerebrospinal fluid dynamic disturbances in adults.

These will continue the tradition of detailed discussion of various aspects of management of Normal pressure hydrocephalus (Hakim's disease), but will have substantive of additions of topics covering other cerebrospinal fluid dynamics disorders, in particular idiopathic intracranial hypertension and Chiari malformation, among others. There will be also dedicated sessions for surgical techniques and surgical complications. We trust that these webinars will be of interest to attendance of various backgrounds and level of expertise.

The webinars will be consist of ten 60-minute sessions, once monthly between November 2022 and August 2023. The timing of the webinars varies to allow a rotation between favourable European, Asian, and American time zones. These webinars will be chaired and covered by International experts in the field. The series will end just before the 15th Hydrocephalus society meeting Hamburg, Germany, 2023 August 25-28. We look forward to see you all there.

In line with the hydrocephalus society mission of advancing the art and science of the field of clinical care and research in hydrocephalus and CSF disorders, this series of webinars will be provided free of charge.

We would like to invite you to attend these webinars as we hope it will enrich your experience and knowledge about the increasingly exciting field of Hydrocephalus.

Sincerely,

On behalf of the Hydrocephalus Society

Ahmed Toma,
Hydrocephalus Society Board Director,
Scientific Lead for the 2022-2023 Hydrocephalus Webinar Series
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<tr>
<th>2021-2022</th>
<th>Topic</th>
<th>Lectures</th>
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| **Saturday, 26 Nov 2022** | Part 1 | Clinical Features  
NPH/Hakim's Disease: Differential Diagnosis  
Chairs: Giorgio Palandri  
Mark Hamilton  
NPH vs Alzheimer's Disease  
Carsten Wikkelso  
NPH vs Parkinson's Disease  
Fredrik Lundin  
NPH vs Progressive supranuclear palsy  
Christoper Carswell  
NPH vs Vascular Dementia  
Etsuro Mori |
| **Saturday, 17 Dec 2022** | Part 2 | Pathophysiology  
Eric Schmidt  
Neuropsychology  
Saan Paaho  
Radiology  
Ari Blitz  
Biomarkers  
Ville Leinonen |
| **Saturday, 14 Jan 2023** | Part 3 | Tap Test  
Uwe Kehler  
Infusion  
Marek Czosnyka  
Lumbar Drainage  
Ahmed Toma  
Intracranial Pressure  
Per Eide |
| **Saturday, 11 Feb 2023** | Part 4 | Lumboperitoneal vs entriculoperitoneal shunt  
Masakazu Miyajima and Giorgio Palandri  
Ventriculoperitoneal vs Ventriculoatrial shunt  
Mark Hamilton and Fernando Hakim  
Shunt vs Endoscopic Ventriculostomy  
Benjamin Elder and Richard Edwards  
Longitudinal Care  
Uwe Kehler |
| **Saturday, 11 Mar 2023** | Part 5 | Over-drainage  
Uwe Kehler  
Infection  
Daniele Rigamonti  
Obstruction  
Fernando Gomes Pinto  
Medical Complications: Effect of frailty and comorbidities  
Sevil Yasar |
### 2021-2022 Calendar Outline

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<th>Topic</th>
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<td><strong>Part 6</strong> &lt;br&gt; <em>Saturday, 1 Apr 2023</em>&lt;br&gt;11.00 CET (Brussels)&lt;br&gt;05.00 ET (New York)&lt;br&gt;02.00 PST (Los Angeles)&lt;br&gt;19.00 JST (Tokyo)&lt;br&gt;10.00 GMT (Greenwich Mean Time)</td>
<td>Midlife Hydrocephalus/Long standing overt verticulomegaly in adults  &lt;br&gt;Mats Tullberg  &lt;br&gt;Compensated Hydrocephalus  &lt;br&gt;Ahmed Toma  &lt;br&gt;Secondary Hydrocephalus  &lt;br&gt;Carsten Wikkelso  &lt;br&gt;Transitional Hydrocephalus  &lt;br&gt;TBA  &lt;br&gt;Genetic Hydrocephalus  &lt;br&gt;Ville Leinonen</td>
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<td><strong>Part 7</strong> &lt;br&gt; <em>Saturday, 6 May 2023</em>&lt;br&gt;17.00 CET (Brussels)&lt;br&gt;11.00 ET (New York)&lt;br&gt;08.00 PST (Los Angeles)&lt;br&gt;01.00 JST (Tokyo +1 Day)&lt;br&gt;16.00 GMT (Greenwich Mean Time)</td>
<td>Intracranial Pressure  &lt;br&gt;Marianne Juhler  &lt;br&gt;Acute Hydrocephalus  &lt;br&gt;Ahmed Toma  &lt;br&gt;Eye clinic assessment  &lt;br&gt;Susan Mollan  &lt;br&gt;Radiology  &lt;br&gt;TBC</td>
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<td><strong>Part 8</strong> &lt;br&gt; <em>Saturday, 10 June 2023</em>&lt;br&gt;11.00 CET (Brussels)&lt;br&gt;05.00 ET (New York)&lt;br&gt;02.00 PST (Los Angeles)&lt;br&gt;19.00 JST (Tokyo)&lt;br&gt;10.00 GMT (Greenwich Mean Time)</td>
<td>Basics  &lt;br&gt;Alex Sinclaire  &lt;br&gt;Surgical Treatment  &lt;br&gt;Georgios Tsermoulas  &lt;br&gt;Shunt vs Stent  &lt;br&gt;John Pickard</td>
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<td><strong>Adult CSF dynamic disorders - Part 3: Chiari malformation</strong>&lt;br&gt; <em>Saturday, 15 Jul 2023</em>&lt;br&gt;17.00 CET (Brussels)&lt;br&gt;11.00 ET (New York)&lt;br&gt;08.00 PST (Los Angeles)&lt;br&gt;01.00 JST (Tokyo +1 Day)&lt;br&gt;16.00 GMT (Greenwich Mean Time)</td>
<td>Basics  &lt;br&gt;Graham Flint  &lt;br&gt;Treatment: Medical vs Surgical  &lt;br&gt;Anish Bahre and Benjamin Elder  &lt;br&gt;Shunt vs Decompression  &lt;br&gt;Laurence Watkins and Mansoor Foroughi</td>
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<td><strong>Adult hydrocephalus surgical technique</strong>&lt;br&gt; <em>Saturday 12th Aug 2023</em>&lt;br&gt;11.00 CET (Brussels)&lt;br&gt;05.00 ET (New York)&lt;br&gt;02.00 PST (Los Angeles)&lt;br&gt;19.00 JST (Tokyo)&lt;br&gt;10.00 GMT (Greenwich Mean Time)</td>
<td>Neuronavigation  &lt;br&gt;Giorgio Palandri  &lt;br&gt;Shunt valves  &lt;br&gt;Richard Edwards  &lt;br&gt;Telemetric ICP monitors  &lt;br&gt;Laurence Watkins  &lt;br&gt;Laparoscopic assisted shunt surgery  &lt;br&gt;Mark Hamilton</td>
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