Hydrocephalus Society
Global Webinar Series on iNPH
& Surgical Techniques for Young Neurosurgeons
2021-2022

Calendar outline
Dear Friends and Colleagues,

A year ago we thought the Covid 19 pandemic would be over soon, unfortunately we are still fighting new waves and no clear end is in sight. That is also the reason why we will continue with conferences and education online. Online meetings have advantages (no travelling, cheaper participation) but disadvantages (more difficult discussions, lacking personal contacts) as well.

Respecting the pandemic situation and the restrictions for travelling we are going to continue the successful webinar on NPH of last year with an additional series on surgical techniques of hydrocephalus shunts and ETV for young neurosurgeons. Nevertheless, we are looking very much forward to a physical meeting next year in Gothenburg, Sweden, Sept. 9-12, 2022.

The new Hydrocephalus Society Global Webinar Series 2021/2022 on NPH and Surgical Techniques for Young Neurosurgeons will consist of ten 60-minute webinars occurring once or twice per month between November 2021 and Mai 2022. The timing of the webinars varies to allow a rotation between favorable European, Asian, and American time zones.

These webinars will draw on the clinical, surgical, and scientific expertise of experts in the field of NPH. It will be provided free of charge for members of the Hydrocephalus Society and for 10 Euros / webinar for non-members.

We would be happy, if you will join these webinars to hear the state of the art and the most up-dated information about diagnostics and treatment of NPH.

Sincerely,

on behalf of the Hydrocephalus Society

Uwe Kehler, President
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<tr>
<th>Date</th>
<th>Time (CET/ET/PST/JST/GMT)</th>
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| Fri, 26 Nov 2021 | 17.00 CET/11.00 ET/08.00 PST/01.00 JST/16.00 GMT | Part 1 Introduction & Clinical Signs | 1. Introduction, Epidemiology, Natural History, Clinical Signs  
Mark Hamilton  
Giorgio Palandri  
2. Differential diagnosis and comorbidities  
Mats Tullberg  
3. Pathophysiology  
Lemcke Johannes |
| Sat, 11 Dec 2021  | 11.00 CET/05.00 ET/02.00 PST/19.00 JST/10.00 GMT | Part 2 Diagnostics | 1. NPH - Radiology  
Ari Blitz  
2. Tap-Test, Infusiontests and Longterm ICP Measurement  
Eric Schmidt  
3. Biomarkers  
Ahmed Toma |
| Fri, 14 Jan 2022  | 17.00 CET/11.00 ET/08.00 PST/01.00 JST/16.00 GMT | Part 3 Treatment I | 1. Hydrocephalus Valves  
Anders Eklund  
2. VP-Shunts  
Giorgio Palandri  
3. VA-Shunts  
Fernando Hakim |
| Sat 29, Jan 2022  | 11.00 CET/05.00 ET/02.00 PST/19.00 JST/10.00 GMT | Part 4 Treatment II | 1. LP-Shunts  
Madoka Nakajima  
2. ETV in NPH  
Richard Edwards  
3. Follow-up after Shunt/ETV  
Uwe Kehler |
| Fri, 11 Feb 2022  | 17.00 CET/11.00 ET/08.00 PST/01.00 JST/16.00 GMT | Part 5 Complications | 1. Infections  
Mark Hamilton  
2. Shunt failure/Obstruction  
Uwe Kehler  
3. Overdrainage  
Giorgio Palandri  
4. Rare complications (Hypacusis, abdominal pain, epilepsy, etc)  
Ahmed Toma |
| Sat, 26 Feb 2022  | 11.00 CET/05.00 ET/02.00 PST/19.00 JST/10.00 GMT | Part 6 Outcome | 1. Outcome - short and long term  
Kerstin Andre  
2. Costeffectiveness of NPH treatment  
Carsten Wikkelso  
3. How to raise awareness of NPH  
Mark Hamilton |
### 2021-2022

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| **Surgical Techniques for Young Neurosurgeons - VP Shunts** | VP-Shunt - Surgical Technique: from skin incision, ventricular puncture, abdominal catheter implantation, to skin closure  
Mark Hamilton                                                                 |
| **Surgical Techniques for Young Neurosurgeons - VA Shunts** | VA-Shunt - Surgical Technique: from skin incision, ventricular puncture, cardiac catheter implantation, to skin closure  
Fernando Hakim                                                                 |
| **Surgical Techniques for Young Neurosurgeons - LP Shunts** | LP-Shunt - Surgical Technique: from skin incision, spinal puncture, catheter implantation, to skin closure  
Madoka Nakajima                                                               |
| **Surgical Techniques for Young Neurosurgeons - ETV** | Endoscopic Third Ventriculostomy - Surgical Technique: from skin incision, ventricular anatomy, ventriculostomy technique, to skin closure  
Uwe Kehler                                                                 |

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