



Programme

Friday, 9 September 2022

Sahlgrenska University Hospital	
08:00 – 11:30	Hydrocephalus Society Board Meeting
Sahlgrens Aula at Sahlgrenska University Hospital	
12:30 – 17:00	IDIOPATHIC NORMAL PRESSURE HYDROCEPHALUS Pre-Meeting Educational Seminar Chair: Mats Tullberg
12:30 – 13:00	Light lunch served
13:00 – 13:25	Demography, epidemiology
13.00 - 13.10	<i>Kerstin Andrén, Sweden</i>
13.10 - 13.25	<i>Carsten Wikkelsø, Sweden</i>
13:25 – 14:00	Symptoms and signs
13.25 - 13.40	<i>Giorgio Palandri, Italy</i>
13.40 - 14.00	<i>Per Hellström, Sweden</i>
14:00 – 14:35	Radiology
14.00 - 14.15	<i>Simon Agerskov, Sweden</i>
14.15 - 14.35	<i>Shigeki Yamada, Japan</i>
14:35 – 15:00	Coffee Break
15:00 – 15:35	Supplementary tests
15.00 - 15.15	<i>Anders Eklund, Sweden</i>
15.15 - 15.35	<i>Masakazu Miyajima, Japan</i>
15:35 – 16:15	Treatment
15.35 - 15.50	<i>Mark Hamilton (VP/VA-shunt), USA</i>
15.50 - 16.05	<i>Madoka Nakajima (LP-shunt), Japan</i>
16.05 - 16.20	<i>Uwe Kehler (complications and surgical follow-up after shunting), Germany</i>
16:20 – 16:50	Outcome
16.20 - 16.35	<i>Mats Tullberg, Sweden</i>
16.35 - 16.50	<i>Per Hellström - Kerstin Andrén, Sweden</i>
Post Hotel, Vinterträdgården	
19:00	Welcome Reception



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Saturday, 10 September 2022

Drottningporten 2		Drottningporten 3	
07:00 – 08:00	Registrations		
08:15 – 08:35	Opening Welcome Address		
08.15 - 08.17	<i>Uwe Kehler, President of the Hydrocephalus Society</i>		
08.17 - 08.20	<i>Mats Tullberg, Hydrocephalus 2022 President</i>		
08.20 - 08.25	Mayor of Gothenburg Welcome address		
08.25 - 08.30	<i>Eric Hanse, Pro-Dean Sahlgrenska Academy UGOT</i>		
08.30 - 08.35	<i>Carsten Wikkelse, Sweden</i>		
08.35 - 09.15	Session 1: Hakim Lecture		
08.35 - 09.10	Hakim Lecture title: Standing on the shoulders of giants <i>Daniele Rigamonti USA</i>		
09.10 - 09.15	Q&A		
09.15 - 09.45	Session 2: Rethinking the Classification of Hydrocephalus Chairs: Uwe Kehler, Carsten Wikkelse, Giorgio Palandri		
09.15 - 09.25	Core-ASPECT Hydrocephalus classification (EANS) <i>Marianne Juhler, Denmark</i>		
09.25 - 09.45	A new classification of CHiA based on symptoms and signs <i>Ahmed Toma, UK, Mats Tullberg, Sweden</i>		
09.45 - 10.15	Coffee Break & Exhibition		
10.15 - 11.30	Session 3: Young Investigators Awards I		
10.15 - 10.25	Oral Presentation 1 (YIA 1)		
10.25 - 10.35	Oral Presentation 2 (YIA 2)		
10.35 - 10.45	Oral Presentation 3 (YIA 3)		
10.45 - 10.55	Oral Presentation 4 (YIA 4)		
10.55 - 11.05	Oral Presentation 5 (YIA 5)		
11.05 - 11.15	Oral Presentation 6 (YIA 6)		
11.15 - 11.25	Oral Presentation 7 (YIA 7)		
11.25 - 11.30	Conclusions		
11.30 - 12.15	Hydrocephalus Society Annual General Meeting		



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12.15 - 13.30	Industry Sponsored Lunch Seminar		
13.45 - 15.30	Session 4: Frontiers in experimental Hydrocephalus - Genetics, Cilia function	13.30 - 15.20	Session 5: Novel RCTs in hydrocephalus
13.45 - 14.05	Genetics in Hydrocephalus <i>Ville Leinonen, Finland</i>	13.30 - 13.45	Keynote I: SINPHONI-3 - benefits of shunt in iNPH patients with evidence of Alzheimer's disease <i>Etsuro Mori, Japan</i>
14.05 - 14.15	Oral Presentation 8	13.45 - 13.55	Oral Presentation 14
13.55 - 14.05	Oral Presentation 9	13.55 - 14.05	Oral Presentation 15
14.25 - 14.35	Oral Presentation 10	14.05 - 14.15	Oral Presentation 16
14.35 - 14.55	Keynote Lecture - Cilia function and its role in Hydrocephalus <i>Nathalie Jurisch-Yaksi, Norway</i>	14.15 - 14.30	Keynote lecture: Placebo controlled effectiveness in NPH shunting <i>Mark Luciano, USA</i>
14.55 - 15.05	Oral Presentation 11	14.30 - 14.4	Oral Presentation 17
15.05 - 15.15	Oral Presentation 12	14.40 - 14.50	Oral Presentation 18
15.15 - 15.25	Oral Presentation 13	14.50 - 15.05	Oral Presentation 19
15.25 - 15.30	Conclusions	15.05 - 15.15	Keynote lecture: PCORI - Anterior vs posterior entry site for CSF shunt insertion
		15.15 - 15.20	Conclusions
15.15 - 15.45	Coffee Break & Exhibition		
15.45 - 17.30	Session 6: Young Investigators Awards II Chairs: TBA		
15.45 - 15.55	Oral Presentation 20 (YIA 8)		
15.55 - 16.05	Oral Presentation 21 (YIA 9)		
16.05 - 16.15	Oral Presentation 22 (YIA 10)		
16.15 - 16.25	Oral Presentation 23 (YIA 11)		
16.25 - 16.35	Oral Presentation 24 (YIA 12)		
16.35 - 16.45	Oral Presentation 25 (YIA 13)		
16.45 - 16.55	Oral Presentation 26 (YIA 14)		



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16.55 - 17.05	Oral Presentation 27 (YIA 15)
17.05 - 17.15	Oral Presentation 28 (YIA 16)
17.15 - 17.25	Oral Presentation 29 (YIA 17)
19.00	Meeting Dinner at Universeum



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Sunday, 11 September 2022

Drottningporten 2		Drottningporten 3	
07:00 – 08:00	Registrations		
08.00 - 09.45	Session 7: Technical Advances in Treatment and Diagnostics Chairs: TBA		
08.00 - 08.15	What is presently not working? Problems, Infection, ICP, Underdrainage, Overdrainage, Programming <i>Uwe Kehler, Germany</i>		
08.15 - 08.30	Title TBA <i>Jan Malm, Sweden</i>		
08.30 - 08.45	Surgical technical perspectives. How to pay for necessary development? <i>Madoka Nakajima, Japan</i>		
08.45 - 08.50	Panel Debate: LP vs VA vs VP - Pros/Cons	08.50 - 09.45	Session 8: Theme TBA. ICP/CSF dynamics Experimental Hydrocephalus Chairs: TBA
08.50 - 09.00	Oral Presentation 30	08.50 - 09.00	Oral Presentation 35
09.00 - 09.10	Oral Presentation 31	09.00 - 09.10	Oral Presentation 36
09.10 - 09.20	Oral Presentation 32	09.10 - 09.20	Oral Presentation 37
09.20 - 09.30	Oral Presentation 33	09.20 - 09.30	Oral Presentation 38
09.30 - 09.34	Oral Presentation 34	09.30 - 09.34	Oral Presentation 39
09.40 - 09.45	Conclusions	09.40 - 09.45	Conclusions
09.45 - 10.15	Coffee Break & Exhibition		
10.15 - 12.00	Session 9: Social aspects of Adult Hydrocephalus: Panel Discussion Chairs: B-M Mattsson, Helena Stalnert	10.15 - 12.00	Session 10: Pediatric Hydrocephalus Chairs: Daniel Nilsson, Magnus Tisell
10.15 - 10.35	Keynote Lecture: Aging and Dementia in the 2020ies <i>Ingmar Skoog, Sweden</i>	10.15 - 10.25	Oral Presentation 40
10.35 - 11.00	Introduction to Panel: Adult Hydrocephalus pros and cons <i>Ville Leinonen, Finland</i>	10.25 - 10.35	Oral Presentation 41
11.00 - 12.00	Round Table Discussion: What must be accomplished and how we should get it done? <i>Monica Chau, Hydrocephalus Association, USA,</i> <i>Mats Tullberg, Sweden</i>	10.35 - 10.45	Oral Presentation 42
		10.45 - 10.55	Oral Presentation 43



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		10.55 - 11.05	Oral Presentation 44
		11.05 - 11.15	Oral Presentation 45
		11.15 - 11.35	Keynote lecture: Intrauterine closure of myelomen ingoceles: Does it reduce the incidence of hydrocephalus? <i>Thomas Kohl, Germany</i>
		11.35 - 11.45	Oral Presentation 46
		11.45 - 11.55	Oral Presentation 47
		11.55 - 12.00	Conclusions
12.00 - 13.30	Industry Sponsored Lunch Seminar		
13.30 - 15.15	Session 11: Neuroimaging in Hydrocephalus - HS/IHIWG Joint Session Chairs: Ari Blitz, TBA	13.30 - 15.15	Session 12: CSF Dynamics and ICP: Thematic topic TBA Chairs: Jan Malm, Anders Eklund
13.30 - 13.50	Flaws and traps with current radiological markers for NPH <i>Jan Zizka, Poland</i>	13.30 - 13.50	<i>Title TBA</i> <i>Anders Eklund, Sweden</i>
13.50 - 14.00	Oral Presentation 48	13.50 - 14.00	Oral Presentation 54
14.00 - 14.10	Oral Presentation 49	14.00 - 14.10	Oral Presentation 55
14.10 - 14.20	Oral Presentation 50	14.10 - 14.30	Keynote Lecture: Title TBA <i>Jan Malm, Sweden</i>
14.20 - 14.40	MR-perfusion in NPH <i>Presenter TBA</i>	14.30 - 14.40	Oral Presentation 56
14.40 - 14.50	Oral Presentation 51	14.40 - 14.50	Oral Presentation 57
14.50 - 15.00	Oral Presentation 52	14.50 - 15.10	Keynote lecture: Title TBA <i>Presenter TBA</i>
15.00 - 15.10	Oral Presentation 53	15.10 - 15.15	Conclusions
15.10 - 15.15	Conclusions		
15.15 - 15.45	Coffee Break & Exhibition		
15.45 - 17.30	Session 13: Adult Hydrocephalus - Gait and Posture: 3D methods and Machine learning Chairs: Mats Tullberg	15.45 - 17.30	Session 14: Pediatric Hydrocephalus - Posthemorrhagic ventricular dilatation in infants Chairs: Daniel Nilsson
15.45 - 15.50	Introduction: Why do we need better methods to quantify gait and posture in INPH?	15.45-16.00	Posthemorrhagic ventricular dilatation in preterm infants – how to reach the largest achievements for the smallest children <i>Karin Sävman, Sweden</i>



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15.50 - 16.10	Keynote I: Inertial measurement units and Machine learning Parkinson's disease gait analysis <i>Tiwana Varecchia, Italy</i>
16.10 - 16.30	Machine learning in gait analysis II <i>Ciprian Crainiceanu, USA</i>
16.30 - 16.50	Keynote III Title TBA
16.50 - 17.00	Mobile device for gait analysis in iNPH <i>Fredrik Lundin, Sweden</i>
17.00 - 17.10	Title TBA <i>Lena Kollen, Sweden</i>
17.10 - 17.20	Title TBA Oral abstract? <i>David Miletti, Italy</i>
17.20 - 17.30	Q&A

16.00 - 16.10	Oral Presentation 58
16.10 - 16.20	Oral Presentation 59
16.20 - 16.30	Oral Presentation 60
16.30 - 16.40	Oral Presentation 61
16.40 - 16.55	Animal model talk or RCT Endoscopic lavage for requirement of permanent shunt <i>Presenter TBA</i>
16.55 - 17.05	Oral Presentation 62
17.05 - 17.15	Oral Presentation 63
17.15 - 17.25	Oral Presentation 64
17.25 - 17.30	Conclusions



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Monday, 12 September 2022

Drottningporten 2		Drottningporten 3	
07:00 – 08:00	Registrations		
08.00 - 09.45	Session 15: CSF and blood biomarkers in diagnosis and prognosis of neurodegenerative disease and hydrocephalus Chairs: Henrik Zetterberg, Kaj Blennow	08.00 - 09.45	Session 16: Theme TBA. Pediatric Hydrocephalus. CSF dynamics Experimental
08.00 - 08.15	The biomarker profile in iNPH. Other talk should discuss, comment on this profile <i>Carsten Wikkelso, Sweden</i>	08.00 - 08.20	Oral Presentation 69
08.15 - 08.30	Amyloid, tau, neurodegeneration and glial (ATNG) biomarkers in blood and CSF – prospects for their future clinical use. <i>Kaj Blennow, Sweden</i>	08.20 - 08.30	Oral Presentation 70
08.30 - 08.45	Synaptic proteins in CSF <i>Nicholas J Ashton, Sweden</i>	08.30 - 08.40	Oral Presentation 71
08.45 - 09.00	Blood Phospho-tau to identify early tau pathology <i>Henrik Zetterberg, Sweden</i>	08.40 - 08.50	Oral Presentation 72
09.00 - 09.10	Oral Presentation 65	08.50 - 09.00	Oral Presentation 73
09.10 - 09.20	Oral Presentation 66	09.00 - 09.10	Oral Presentation 74
09.20 - 09.30	Oral Presentation 67	09.10 - 09.20	Oral Presentation 75
09.30 - 09.40	Oral Presentation 6	09.20 - 09.30	Oral Presentation 76
09.40 - 09.45	Conclusions	09.30 - 09.40	Conclusions
		09.40 - 09.45	
09.45 - 10.15	Coffee Break & Exhibition		
10.15 - 11.30	Session 17: Oral Flash Presentations of e-Posters	10.15 - 11.30	Session 18: Oral Flash Presentations of e-Posters
10.15 - 10.20	Oral Flash Presentation 1	10.15 - 10.20	Oral Flash Presentation 16
10.20 - 10.25	Oral Flash Presentation 2	10.20 - 10.25	Oral Flash Presentation 17
10.25 - 10.30	Oral Flash Presentation 3	10.25 - 10.30	Oral Flash Presentation 18
10.30 - 10.35	Oral Flash Presentation 4	10.30 - 10.35	Oral Flash Presentation 19
10.35 - 10.40	Oral Flash Presentation 5	10.35 - 10.40	Oral Flash Presentation 20
10.40 - 10.45	Oral Flash Presentation 6	10.40 - 10.45	Oral Flash Presentation 21



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10.45 - 10.50	Oral Flash Presentation 7	10.45 - 10.50	Oral Flash Presentation 22
10.50 - 10.55	Oral Flash Presentation 8	10.50 - 10.55	Oral Flash Presentation 23
10.55 - 11.00	Oral Flash Presentation 9	10.55 - 11.00	Oral Flash Presentation 24
11.00 - 11.05	Oral Flash Presentation 10	11.00 - 11.05	Oral Flash Presentation 25
11.05 - 11.10	Oral Flash Presentation 11	11.05 - 11.10	Oral Flash Presentation 26
11.10 - 11.15	Oral Flash Presentation 12	11.10 - 11.15	Oral Flash Presentation 27
11.15 - 11.20	Oral Flash Presentation 13	11.15 - 11.20	Oral Flash Presentation 28
11.20 - 11.25	Oral Flash Presentation 14	11.20 - 11.25	Oral Flash Presentation 29
11.25 - 11.30	Oral Flash Presentation 15	11.25 - 11.30	Oral Flash Presentation 30
11.30 - 12.00	Session 19: Marmarou Lecture		
	TBA <i>Michael Williams, USA</i>		
12.00 - 13.30	Industry Sponsored Lunch Seminar		
13.30 - 15.15	Session 20: Frontiers in Hydrocephalus Neuroimaging: The Glymphatic system - HS/ IHIWG Joint Session	13.30 - 15.15	Session 21: Pediatric HC: Children and adolescents with surgically treated hydrocephalus in infancy – visual and ocular outcome.
	Chairs: Ari Blitz, Karin Kockum		Chairs: Daniel Nilsson, Gothenburg
13.30 - 13.50	Lecture Title TBA <i>Jeffrey J Ilif, USA</i>	13.30 - 13.35	Introduction <i>Marita A:son Grönlund, Sweden</i>
13.50 - 14.00	Oral Presentation 77	13.35 - 13.50	Visual function and visual perceptual problems in children and adolescents – a long-term follow-up <i>Susann Andersson, Sweden</i>
14.00 - 14.10	Oral Presentation 78	13.50 - 14.02	Ocular motility and fixation <i>Eva Aring, Sweden</i>
14.10 - 14.20	Oral Presentation 79	14.02 - 14.15	Reduced retinal nerve fibre layer in adolescents with hydrocephalus <i>Marita A:son Grönlund, Sweden</i>
14.20 - 14.30	Oral Presentation 80	14.15 - 14.30	Cerebral visual impairment – impact on everyday life <i>Barbro Lindquist, Sweden</i>
14.30 - 14.40	Oral Presentation 81	14.30 - 14.40	Oral presentation xx Aetiology and visual function – a comparison study of two different populations <i>Farah Mastrook, Sweden</i>
14.40 - 14.50	Oral Presentation 82	14.40 - 14.50	Oral presentation YY Health and vision-related quality of life <i>Rezhna Taha, Sweden</i>
14.50 - 15.00	Oral Presentation 83		



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15.00 - 15.15	Conclusions	14.50 - 15.10	Discussion, conclusions
15.15 - 15.30	Session 22: Highlights from Hydrocephalus 2022 Chairs: Uwe Kehler, Mats Tullberg		
15.15 - 15.30	Highlights from Hydrocephalus 2022 <i>Neil Graff-Radford, USA</i>		
15.30 - 15.45	Closing Remarks: Welcome to Hydrocephalus 2023, Hamburg <i>Mats Tullberg, President of Hydrocephalus 2022</i> <i>Uwe Kehler, President of Hydrocephalus Society and Host of Hydrocephalus 2023</i>		