

Friday, 13 September 2024						
	Pre Meeting Seminar					
	Winc Aichi Plenary Hall					
12:00 - 16:15	PreMeeting Educational Seminar Chairs: Mats Tullberg, Giorgio Palandri, and Mitsuhiro Mase Chairs: Mitsuhiro Mase, Mats Tulberg, Giorgio Palandri					
12:00 - 12:30	Welcome and get together, Opening Remark (Mitsuhiro Mase)					
12:30 - 13:50	Debate session 1: Hakim disease, NPH or DESH?					
12:30 - 12:50	Hakim Disease Laurence Watkins					
12:50 - 13:10	Normal Pressure Hydrocephalus Uwe Kehler					
13:10 - 13:30	DESH Etsuro Mori					
13:30 - 13:50	Discussion, Roundtable					
13:50 - 14:50	Debate session 2: Which is better? V-P/V-A shunt or L-P shunt for chronic hydrocephalus in adult (CHiA)					
13:50 - 14:10	V-P/V-A shunt Mark Luciano					
14:10 - 14:30	L-P Shunt Madoka Nakajima					
14:30 - 14:50	Discussion, Roundtable					
14:50 - 15:10	Coffee Break					
15:10 - 16:00	Debate session 3: Which is better? V-P shunt or ETV for pediatric hydrocephalus					
15:10 - 15:30	V-P shunt Richard Edwards					
15:30 - 15:50	ETV Takuya Akai					
15:50 - 16:00	Discussion, Roundtable					
16:05 - 16:15	Closing Remarks Mats Tullberg					
Saturday, 14 September 2024						
	Plenary Hall		Parallel Hall 1			Parallel Hall 2
07:00 - 08:00	Registrations					
08:00 - 08:30	Opening of the Meeting					
08:00 - 08:15	Welcome Address Mats Tulberg - Hydrocephalus Society President					
08:15 - 08:30	Welcome to Nagoya Mitushito Mase - Hydrocephalus 2024 President					
08:30 - 09:00	Session 1: Hakim Lecture					
08:30 - 09:00	Classification and Management of Hydrocephalus; why are we still struggling? Marianne Juhler					
09:00 - 10:00	Session 2: Young Investigators Awards I	09:00 - 10:00	Session 3: Adult Hydrocephalus (Symptoms)	09:00 - 10:00	Session 4: Technical Advances in Treatment and Diagnosis	
09:00 - 09:10	Investigating Hyperlipedimia and Coverage of Lipid Lowering Treatment in INPH Sanna Andrea Eklund	09:00 - 09:10	Quantitative gait analysis using deep learning algorithms on monocular videos and Timed Up and Go test in idiopathic normal pressure hydrocephalus Kyunghun Kang	09:00 - 09:10	Distal ventriculoperitoneal shunt catheter failure after primary shunt insertion, what can go wrong? A single-centre retrospective study on the causes of distal catheter malfunction Olivier Sluijters	
09:10 - 09:20	Impact of frailty on gait outcomes in idiopathic normal pressure hydrocephalus after shunting Rahul Kumar	09:10 - 09:20	Tracking activity patterns in patients with idiopathic normal pressure hydrocephalus in the diagnostic process Rasmus Moldt Holmager	09:10 - 09:20	New Bioreactor System to Test the Mechanisms that Underlay Catheter Malfunction Under Hydrocephalic Conditions. Leandro Castaneyra-ruiz	
09:20 - 09:30	Shunt Surgery Response is Heavily Affected by Amyloid and Hyperphosphorylated Tau in Cortical Biopsy: Results from The Kuopio Idiopathic Normal Pressure Hydrocephalus Protocol Antti Luikku	09:20 - 09:30	The grasp reflex in patients with idiopathic normal pressure hydrocephalus Junyan Liu	09:20 - 09:30	Characterization of Astrocytes on Topographical Surfaces to Reduce Shunt Failure Aaron Gonzales	
09:30 - 09:40	Cerebrospinal Fluid Biomarkers of Neurodegeneration in Idiopathic Normal Pressure Hydrocephalus Heikki Lukkarinen	09:30 - 09:40	Detecting cognitive dysfunction of iNPH by texture recognition expressed through sound symbolic words. Chihiro Kamohara	09:30 - 09:40	A Phase IV Placebo-controlled Single Center Trial for Tirzepatide in Idiopathic Intracranial Hypertension Trial (TIIHT) Alexa Bramall	

09:40 - 09:50	Postoperative changes in ventricular CSF biomarkers with correlation to clinical outcome in idiopathic normal pressure hydrocephalus Rebecca Grønning		09:40 - 09:50	Effect of cerebrospinal fluid removal on standing balance in patients with idiopathic normal pressure hydrocephalus Sunee Bovonsunthonchai		09:40 - 09:50	Cerebrospinal fluid diversion for vision-threatening papilledema secondary to cerebral venous sinus thrombosis Georgios Tsermoulas
09:50 - 10:00	Discussion		09:50 - 10:00	Dynamic balance dysfunction and falls as early signs of idiopathic normal pressure hydrocephalus Yasutaka Nikaido		09:50 - 10:00	TRANSCALLOSAL MICROSCOPIC EXCISION OF POSTERIOR THIRD VENTRICULAR EPIDERMOID AND VENTRICULOSTOMY: A UNIQUE SURGICAL VIDEO AND LITERATURE REVIEW Mayur Vinaykumar Kaku
10:00 - 10:30	Coffee Break & Exhibition						
10:30 - 11:40	Session 5: Young Investigators Awards II		10:30 - 11:40	Session 6: Adult Hydrocephalus (Drainage Test)		10:30 - 11:40	Session 7: Oral Flash Presentations of e-Posters (Movement Disorders and Hydrocephalus & Imaging)
10:30 - 10:40	The resistance to CSF outflow is not associated with tightness over the high convexities in patients investigated for Normal Pressure Hydrocephalus Afroditi Lalou		10:30 - 10:40	The efficacy of gait and balance measures in identifying probable Idiopathic Normal Pressure Hydrocephalus following a High-Volume Cerebrospinal Fluid Tap Test Elizabeth Cray		10:30 - 10:35	Cerebrospinal fluid dynamics correlate with neurogenic claudication in lumbar spinal stenosis Keewon Kim
10:40 - 10:50	"One shunt fits all?": The difference between the various antibiotic impregnated shunt catheters Kanza Tariq		10:40 - 10:50	Cerebrospinal Fluid Tap Test Did Not Predict Shunt Response in The Kuopio Idiopathic Normal Pressure Hydrocephalus Protocol Antti Luikku		10:35 - 10:40	Evaluating the Efficacy of Blinded Gait Assessments to determine Changes After Shunt Surgery in Patients with INPH – preliminary results Maria Ekblom
10:50 - 11:00	The 6-minute walk test and the 3-meter backward walk test are sensitive outcome measures in Idiopathic Normal Pressure Hydrocephalus Johanna Andersson		10:50 - 11:00	Long-Term Gait Improvement Following CSF Tap Test in Idiopathic Normal Pressure Hydrocephalus: An Analysis of Clinical Outcomes Minju Kim		10:40 - 10:45	Understanding the relationship between cognitive impairment and gait characteristics in INPH Liis Uiga
11:00 - 11:10	Long-Term Results of Surgical Treatment for Pediatric Hydrocephalus: A Comprehensive Systematic Review and Meta-Analysis. Gabriel Semione		11:00 - 11:10	Does subsequent external lumbar drainage add valuable clinical information in case of a negative short-term tap test? Johan Eriksson De Ryst		10:45 - 10:50	The Effect of Coexisting Progressive Supranuclear Palsy on Post-Shunt Clinical Course of Idiopathic Normal Pressure Hydrocephalus Hirokazu Uchigami
11:10 - 11:20	ENDOSCOPIC FINDINGS AND CLINICAL OUTCOME OF ‘ETV’ IN INFANTS UNDER SIX MONTHS IN TANZANIA. Consolata Shayo		11:10 - 11:20	Accuracy of Augmented Reality Navigation for External Ventricular Drain Insertion – A Systematic Review and Meta-analysis Ali Buwaider		10:50 - 10:55	Diagnostic accuracy of MR-CSF flow study in assessment of normal pressure hydrocephalus Nirmita Gummadi
11:20 - 11:30	Apolipoprotein-L1 G1 variant causes hydrocephalus in mice and humans Teruhiko Yoshida		11:20 - 11:30	The relationship between objectively assessed and subjectively experienced effect of shunt surgery in idiopathic normal pressure hydrocephalus Sanna Pääaho		10:55 - 11:00	Novel Connectomic Biomarkers for Identifying Possible Idiopathic Normal Pressure Hydrocephalus Patients with High Disproportionately Enlarged Subarachnoid Space Hydrocephalus (DESH) Score Ko-Ting Chen
11:30 - 11:40	Low frequency of pathogenic CWH43 variants among Finnish idiopathic normal pressure hydrocephalus patients Joel Räsänen		11:30 - 11:40	Normal Pressure Hydrocephalus (NPH), external Lumbar Drainage and (eLD) and Predictors of Shunting Success Alexa Bramall		11:00 - 11:05	INPH-ResViT: A fully automated and explainable deep learning pipeline as a decision support tool for the diagnosis of INPH on MRI Dimitrios Toumpanakis
						11:05 - 11:10	Changes in callosal angle and Evans index following shunt surgery in patients with idiopathic normal pressure hydrocephalus Rodolfo Reis
						11:10 - 11:15	Retrospective analysis of long-term outcome for CSF shunted probable INPH patients whose Dat Scan showed DAT disorder Tetsuo Hashiba
						11:15 - 11:20	Lateral ventricular volume predicts unfavourable outcome and earlier death in elderly who fall David Fällmar
						11:20 - 11:25	Magnetic Resonance Imaging Texture Analysis (MRTA) in patients affected by probable idiopathic Normal Pressure Hydrocephalus Daniele Piccolo
						11:25 - 11:30	Accuracy and feasibility of cerebral venous blood flow quantifications using high velocity encoding 4D flow MRI Arvid Westlund
						11:30 - 11:35	Quantification of Regional Neural Tissue Dynamics in Type I Chiari Malformation Gwendolyn Williams
						11:35 - 11:40	Near-infrared fluorescence indocyanine green mice cisternography for normal and hydrocephalus mice Yasushi Shibata
11:40 - 12:40	Hydrocephalus Society Annual General Meeting						
12:40 - 13:50	Industry Sponsored Lunch Seminar						
13:50 - 15:30	Session 8: Pediatric Hydrocephalus		13:50 - 15:30	Session 9: Adult Hydrocephalus (Surgery)		13:50 - 15:30	Session 10: Oral Flash Presentations of e-Posters

13:50 - 14:10	Lecture Topic TBA Speaker TBA		13:50 - 14:00	Association of gait and cognition after surgery in patients with idiopathic normal pressure hydrocephalus Masatsune Ishikawa		13:50 - 13:55	Expert opinion on procedures for conducting CSF tap tests for INPH in Japan Hideki Kanemoto
14:10 - 14:20	Growth patterns and Neurological Outcomes of Neonates with Hydrocephalus at Kenyatta National Hospital, Nairobi, Kenya Abongo Melanie		14:00 - 14:10	Clinical long-term outcome in idiopathic normal pressure hydrocephalus (iNPH) after CSF shunt surgery: Is long-term improvement common or exceptional? Julia Shawarba		13:55 - 14:00	Characteristics of patients with idiopathic normal pressure hydrocephalus for whom neurosurgeons hesitate to perform shunt surgery: a nationwide hospital-based survey in Japan Ryo Kawai
14:20 - 14:30	Risk and Protective Factors for Congenital Hydrocephalus in Live Births within the Brazilian Amazon Rainforest Kim Wouters		14:10 - 14:20	Ventriculoatrial Shunt with Intra-operative Venography, A Non-inferior Alternative to the Ventriculoperitoneal Shunt: Case Series & Technique Description Diego Luy		14:00 - 14:05	Myelin basic protein in the cerebrospinal fluid of patients with idiopathic normal pressure hydrocephalus Yasushi Shibata
14:30 - 14:40	Accumulation of Reactive Oxidative Species Leads to the Development of Acquired Hydrocephalus Celine Thao-Quyen Tran		14:20 - 14:30	A randomized double-blinded study of early volumetric changes after shunt surgery in iNPH; is Certas Plus “virtual off” really off? Rafael Holmgren		14:05 - 14:10	Treatment of Acetazolamide for patients on the waiting list for CSF diversion surgery Ganesalingam Narenthiran
14:40 - 14:50	Pathological Choroid Plexus Proliferation May Underlie the Etiology of Hydrocephalus After Traumatic and Hemorrhagic Conditions Gio Jison		14:30 - 14:40	Analysis of factors affecting ventriculoperitoneal shunting - determinants and outcomes: A ten-year retrospective single-centre study Venkata Santosh Rendu		14:10 - 14:15	The Influence of Cerebrospinal Fluid Protein Concentration and Volumetric Bulk Flow Rate on Polydimethylsiloxane Shunts used to Treat Hydrocephalus Amogh Govind
14:50 - 15:00	Impact of Ventricular Dilation and Ventricular Catheter Placement on Obstructive Catheter Failure in Pediatric Hydrocephalus Patients: Insights from a Multicenter Shunt Biobank Study Prashant Hariharan		14:40 - 14:50	Is less more? Management of late clinical deterioration in shunted NPH-patients Uwe Kehler		14:15 - 14:20	Starting Off Right: Optimal Initial Shunt Valve Setting for Hakim’s Disease (iNPH) Patients Shakran Mahmood
15:00 - 15:10	Hindbrain Herniation and Hydrocephalus in Myelomeningocele William Whitehead		14:50 - 15:00	The role of comorbidities, antiplatelet and anticoagulant therapy in NPH post-operative complications on a long term follow up Niccolò Neri		14:20 - 14:25	Efficacy and Safety Analysis of the SPHERA PRO Programmable Valve in the Treatment of IIH Robert Zawadzki Pfann
15:10 - 15:20	Awareness, screening and humanitarian neurosurgery around the international hydrocephalus day on october 25, 2023 Maman You Esperance Broalet		15:00 - 15:10	Predictors of shunt revision in idiopathic normal pressure hydrocephalus Rahul Kumar		14:25 - 14:30	Risk factors for complications in bolt-connected external ventricular drains: a case-control study Raquel Gutierrez-Gonzalez
15:20 - 15:30	A comprehensive analysis of the chronic burden of hydrocephalus in a paediatric population; revisions, false alarms, and scans. Sang Ho Kim		15:10 - 15:20	Shunt surgery and complications, the Pro-Hydro experience Alessandro Pirina		14:30 - 14:35	Cerebrospinal fluid dynamics in an adult with benign external hydrocephalus presented with spontaneous CSF rhinorrhea Dimitris Kombogiorgas
			15:20 - 15:30	Comparative Evaluation of Shunt-Related Complications in Normal Pressure Hydrocephalus: A Meta-Analysis Derek Barnett		14:35 - 14:40	The utility of instrumental, clinical, and radiological methods of diagnosis in Idiopathic Normal Pressure Hydrocephalus: A systematic review Nour B. Saleh
						14:40 - 14:45	DMSO-Mediated Dissolution of Liquid Embolic Agents associated with the development of Hydrocephalus: Systematic Review. Sora Sato
						14:45 - 14:50	The Clock Drawing Test findings in patients with iNPH Koichi Miyazaki
						14:50 - 14:55	Practical Aspect of Ventriculo-atrial Shunt: Surgical Technique, Operation Time, and Duration of Hospital Stay Kiyoshi Takagi
						14:55 - 15:00	Ventriculoperitoneal Shunting Obstruction: a Multicentre Clinical Research for Cerebrospinal Fluid Parameters and its Prediction role Hao Xu
						15:00 - 15:05	Growing up with differential valves does not cope with anti-siphon devices in young adults – a case series with pathophysiological considerations Stefanie Kaestner
						15:05 - 15:10	Combined endoscopic third ventriculostomy and biopsy of a rare case of Papillary tumor of the pineal region: a case report Raymark Santiago
						15:10 - 15:15	Electric circuit analog of intracranial pressure dynamics – direct simulation in MATLAB/Simulink Leszek Herbowski

						15:15 - 15:20	Outcomes of hydrocephalus ventriculoperitoneal shunt surgery at a rural hospital Dan Farahmand
						15:20 - 15:25	Pathological and neuronal evaluation in human brain biopsies from patients with idiopathic normal pressure hydrocephalus, INPH Lisa Arvidsson
						15:25 - 15:30	Understanding hydrocephalus in subarachnoid haemorrhage Lucia Darie
15:30 - 16:15	Coffee Break & Exhibition						
16:15 - 17:40	Session 11: Neuroimaging		16:15 - 17:40	Session 12: Congenital and Pediatric Hydrocephalus		16:15 - 17:40	Session 13: Oral Flash Presentations of e-Posters (Adult Hydrocephalus)
16:15 - 16:35	Cerebrospinal Fluids Dynamics in Normal and Hydrocephalus Brain Shinya Yamada		16:15 - 16:25	Global management and outcomes of infant myelomeningocele-associated hydrocephalus: an open systematic review and meta-analysis Berjo Dongmo Takoutsing		16:15 - 16:20	Association between Homocysteine, Frailty and Biomechanical Response of the CNS in NPH-suspected Patients Eric Schmidt
16:35 - 16:55	Exploring Next-Generation Hydrocephalus Imaging: Modeling Cerebrospinal Fluid Dynamics and Artificial Intelligence Shigeki Yamada		16:25 - 16:35	The Efficacy of Ventriculosubgaleal Shunt in Managing Neonatal Hydrocephalus due to Intraventricular Hemorrhage: A Systematic Review and Meta-Analysis Stefeson Junior		16:20 - 16:25	Initiation of a Global Collaborative Research between South Korea, Japan, and Thailand for the Development of a Comprehensive Hakim's Disease Management System Based on Multimodal Factors Including Voice, Gaze, Hearing, Gait, and Balance Ki-Su Park
16:55 - 17:05	"Controls-in-common": baseline comparisons between cohorts of Normal Pressure Hydrocephalus vs. local-to-global healthy norms using the Periodic Table of DTI Elements Nicole Keong		16:35 - 16:45	Looking to the future: implementation of flow MRI in the management of hydrocephalia in ivory coast pediatric population Vakaramoko Mohamed Kone		16:25 - 16:30	Risk Factors for Idiopathic Normal Pressure Hydrocephalus (INPH): A Study from the Shizuoka National Health Insurance (Kokuho) Database Nagato Kuriyama
17:05 - 17:15	The customized tissue probability map and gray and white matter templates can improve the accuracy of brain segmentation in patients with idiopathic normal pressure hydrocephalus Shigenori Kanno		16:45 - 16:55	Unveiling the Transition: Exploring Mechanisms in the Evolution from External to Internal Hydrocephalus in Children - Insights from 21 Cases. Wu Qiang Che		16:30 - 16:35	Natural history of syringomyelia: to treat or not to treat? Linda D'antona
17:15 - 17:25	Reliability of the INPH Radscale in a multicentre clinical setting Karin Kockum		16:55 - 17:05	Post-hemorrhagic hydrocephalus (PHH) in newborns: assessing stem cells role in intraventricular hemorrhage (IVH) as a way of outlining strategies to minimize morbidity in preterm patients. Raphael Bertani		16:35 - 16:40	Almost two decades of Normal Pressure Hydrocephalus referrals: trends of clinical and imaging characteristics Linda D'antona
17:25 - 17:35	Aqueduct pressure gradient decrease in Hakim hydrocephalus patients Olivier Baledent		17:05 - 17:15	Rare Incident of Migrating Spinal Arachnoid Cyst: Case Report of a Female Patient Irakli Kazaishvili		16:40 - 16:45	Prevalence of hydrocephalus and its relationship with cervical spinal canal stenosis Thanaporn Jewrasumnuay
17:35 - 17:40	Discussion		17:15 - 17:25	Treatment methods of overdrainage complications in children after cerebrospinal fluid shunting Dmitry Zinenko		16:45 - 16:50	Identifying markers predicting shunting efficacy in idiopathic normal pressure hydrocephalus Adeline Nolin
			17:25 - 17:35	Ventriculoperitoneal Shunt Insertion as Primary Surgical Management for Pediatric Idiopathic Intracranial Hypertension in Low- and Middle-Income Countries: A Case Report and Review of Related Literature John Emmanuel Torio		16:50 - 16:55	Development of robust next-generation double image-guided lumboperitoneal shunt technique for normal pressure hydrocephalus Yoshinaga Kajimoto
			17:35 - 17:40	Discussion		16:55 - 17:00	Ventriculoperitoneal Shunt Insertion In Palliative Patients With Hydrocephalus Secondary to Cerebral Metastasis: A Single-Centre Case Series Lucia Darie
						17:00 - 17:05	Colloid cysts natural history and patient subgroup analysis Lucia Darie
						17:05 - 17:10	PROGRAMMABLE VALVE ADJUSTMENT WITH A NON-INVASIVE DEVICE IN AN OUTPATIENT: CASE REPORT Cid Soares
						17:10 - 17:15	Physical Training and Exercise in Individuals with Normal Pressure Hydrocephalus: A Systematic Review Julianto Tomidy
						17:15 - 17:20	The Quebec (Canada) study on idiopathic normal pressure hydrocephalus: Clinical presentation of patients and impact of sociodemographic factors on cognitive and gait/balance performance Florence Belzile

					17:20 - 17:25	Enhancing surgical decision-making in idiopathic normal pressure hydrocephalus: A predicting modeling approach Florence Belzile
					17:25 - 17:30	Utility of Patient Reported Outcome Measures in assessing improvement in health following ventriculoperitoneal shunt insertion Elizabeth Cray
					17:30 - 17:35	The impact of an advanced clinical practitioner in improving and developing the NPH service Elizabeth Cray
					17:35 - 17:40	Successful endoscopic third ventriculostomy for a patient with 40 years of ventriculoperitoneal shunt dependency: a case report Daisuke Kita
Sunday, 15 September 2024						
	Plenary Hall			Parallel Hall 1		Parallel Hall 2
07:30 - 08:30	Industry Sponsored Breakfast Seminar					
08:30 - 09:40	Session 14: Young Investigators Awards III		08:30 - 09:40	Session 15: Modern Hardware and Software in Hydrocephalus		08:30 - 09:40
08:30 - 08:40	Peripapillary alterations in Idiopathic Normal Pressure Hydrocephalus Nicola Valsecchi		08:30 - 08:40	First use study of wireless, wearable, continuous thermal shunt flow monitors at home by ten shunted hydrocephalus subjects R. Chad Webb		08:30 - 08:35
08:40 - 08:50	Transient intracranial pressure elevations (B-waves) are associated with sleep apnea Casper Schwartz Riedel		08:40 - 08:50	Pioneering the biomechanical efficacy and safety of the M.BLUE® device in treating adult post-hemorrhagic hydrocephalus following aneurysmal rupture: An in-depth study. Quentin Berton		08:35 - 08:40
08:50 - 09:00	Beyond the Volume in Prediction of Idiopathic Normal Pressure Hydrocephalus Patients' Shunt Surgery Response Andrius Penkauskas		08:50 - 09:00	Combined control of ICP and assessment of CSF dynamics with active shunt systems Fabian Flürenbrock		08:40 - 08:45
09:00 - 09:10	The Importance of Statistical Power in Neurosurgery: Analyzing the Statistical Power of 21 Hydrocephalus Randomized Clinical Trials in a Post-Hoc Fashion Leonardo B Oliveira		09:00 - 09:10	The effects of architectural modifications on resistance to fluid flow in ventricular catheters Rajesh Kumar Madhavan		08:45 - 08:50
09:10 - 09:20	Preventing distal catheter migration and subcutaneous coiling by tunnelling deep to the anterior rectus sheath: a retrospective study of a surgical technique for tunnelling a ventriculo-peritoneal shunt. Olivier Sluijters		09:10 - 09:20	Zwitterionic-Coating for Mitigating Cellular Occlusion on a Ventricular Catheter for the Treatment of Hydrocephalus Seunghyun Lee		08:50 - 08:55
09:20 - 09:30	Computational investigation on cerebrospinal fluid flow mixing states in aqueduct of patients with Hakim's disease Shusaku Maeda		09:20 - 09:30	Long-term clinical results of the Flow ventricular catheter for hydrocephalus: brief report Marcelo Galarza		08:55 - 09:00
09:30 - 09:40	Discussion & Peer Review Aggregation		09:30 - 09:40	Maintaining Momentum: Sustaining Symptom Improvement in Hakim's Disease (iNPH) Patients through Ventriculoperitoneal Shunt Valve Adjustments Shakran Mahmood		09:00 - 09:05
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						09:25 - 09:30	Strategies for neuroendoscopic evacuation of hypertensive thalamic hemorrhage to avoid acute and chronic hydrocephalus Sadahiro Nomura
						09:30 - 09:35	Endoscopic Surgery in Thalamic Hemorrhage with IVH Provides Prevention Secondary Hydrocephalus and Cost-Effectiveness Michiko Yokosawa
						09:35 - 09:40	Obstructive hydrocephalus, CSF fistula, and Streptococcus agalactie meningitis secondary to a mass in the third ventricle Teresa Kalantari
09:40 - 10:15	Session 17: Advances in Geriatric Hydrocephalus		09:40 - 10:15	Session 18: Technical Advances in Treatment and Diagnosis		09:40 - 10:15	Session 19: Oral Flash Presentations of e-Posters
09:40 - 09:55	Advancing Geriatric Hydrocephalus Eric Schmidt		09:40 - 09:50	Ventricular endoscopy 2D video can be used for 3D reconstruction of anatomy – a novel technique for neuro-navigation Ryan Lee		09:40 - 09:45	Ethnic, Racial and Socioeconomic Disparities in the Management and Outcomes of Hydrocephalus: A Scoping Review of the Literature Leonardo B Oliveira
09:55 - 10:10	Considering iNPH in the New Era of Dementia ~Society, Policy, and Institution~ Shigeki Yamada		09:50 - 10:00	AI-based detection of Certas shunt valve settings in CT scans Amir El Rahal		09:45 - 09:50	Prenatal versus Postnatal Surgical Management for Myelomeningocele: A Systematic Review and Comparative Meta-Analysis Gabriel Semione
10:10 - 10:15	Discussion		10:00 - 10:10	Neuroreach – Making Surgery in Neurosurgery Accessible – An Intradural Spinal Endoscopic Device Uri Hadelsberg		09:50 - 09:55	Impact of Prenatal Care and Zika Virus on Congenital Hydrocephalus Prevalence in the Brazilian Amazon Kim Wouters
			09:30 - 09:40	Bio-inspired self-cleaning catheter material and design Haritosh Patel		09:55 - 10:00	Ventriculoperitoneal Shunt for the treatment of hydrocephalus after posterior fossa tumors: A Systematic Review and Meta-Analysis Stefeson Junior
			09:40 - 09:50	In-vivo measurement and analysis of intraventricular bioimpedance Fabian Flürenbrock		10:00 - 10:05	Comparison of non-invasive ICP waveforms analysis between hydrocephalus patients who are asymptomatic and patients presenting with shunt dysfunction Raphael Bertani
			09:50 - 10:00	Do Differential Opening Pressures Add-Up? Sai Chandan Reddy		10:05 - 10:10	Non-invasive ICP waveform of patients with shunts and no symptoms Raphael Bertani
			10:00 - 10:15	Dead Canary in the Coal Mine Daniele Rigamonti		10:10 - 10:15	Comparing non-invasive ICP waveform analysis in shunt dysfunction patients pre and post-operatively Raphael Bertani
10:15 - 10:45	Session 20: Computational Methods in CSF Dynamics		10:15 - 10:45	Session 21: Neuroimaging		10:15 - 10:45	Session 22: Adult Hydrocephalus (Seconday)
10:15 - 10:30	Analyzing Cerebrospinal Fluid Dynamics in Ventricular Catheters for Pediatric Hydrocephalus Cristopher Roberts		10:15 - 10:25	Quantitative Measurement of CSF and Brain volumes in Patients with Spontaneous Intracranial Hypotension using a Convolutional Neural Network Amir El Rahal		10:15 - 10:25	Clinical impact of craniectomy on shunt-dependent hydrocephalus after intracerebral hemorrhage: A propensity score-matched analysis Shin Heon Lee
10:30 - 10:45	Personalized computational modeling on ventricular cerebrospinal fluid flow dynamics Tomohiro Otani		10:25 - 10:35	Quantification of Brain and CSF 3D Center of Mass Shift in Astronauts and Ground-based Controls Katie Warthen		10:25 - 10:35	Preventive effect of intermittent cerebrospinal fluid drainage for secondary chronic hydrocephalus after aneurysmal subarachnoid hemorrhage Tomoyasu Yamanaka
			10:35 - 10:45	Exploring the Relationship Between Global Gray Matter and the Idiopathic Normal Pressure Hydrocephalus Triad Hongliang Li		10:35 - 10:45	Optimizing EVD Management in Aneurysmal Subarachnoid Hemorrhage: Long-term Placement Strategy and Implications for Shunting Surgery Jui-To Wang
10:45 - 11:20	Coffee Break & Exhibition						
11:20 - 12:40	Session 23: Special Session: Neurofluids		11:20 - 12:40	Session 24: Intracranial Pressure		11:20 - 12:40	Session 25: Adult Hydrocephalus
11:20 - 11:40	Imaging glymphatic function in humans Per Kristian Eide		11:20 - 11:30	Mean baseline ICP value measured during lumbar infusion test: discrepancy between theory and practice. Marek Czosnyka		11:20 - 11:30	Training the local teams: a review of a new service training local physicians to assess, measure ICP & adjust shunts in remote areas Simon Thompson
11:40 - 12:00	Interstitial fluid dynamics of the brain and Diffusion Tensor Image analysis Along the Perivascular Space (DTI-ALPS) Toshiaki Taoka		11:30 - 11:40	Reversible cognitive dysfunction in spontaneous intracranial hypotension (SIH) – a spinal dementia Katharina Wolf		11:30 - 11:40	Prevalence of open-angle glaucoma in idiopathic normal pressure hydrocephalus before and after ventriculo-peritoneal shunt surgery: a one-year prospective study Nicola Valsecchi
12:00 - 12:20	Movement and turnover of water molecules in brain and CSF spaces evaluated by H215O Dynamic PET Mitsuhiro Mase		11:40 - 11:50	Non-invasive funduscopy as a tool to estimate intracranial pressure: An animal model Niclas Lynge Eriksen		11:40 - 11:50	A prospective study evaluating the risk of glaucoma after ventriculoperitoneal shunts for patients with normal pressure hydrocephalus Rahul Kumar

12:20 - 12:40	Discussion		11:50 - 12:00	Can we reduce clinic times for patients with M.scios? Eleanor Moncur		11:50 - 12:00	Evaluating longitudinal changes of objective gait parameters following shunt placement in patients with idiopathic normal pressure hydrocephalus Rahul Kumar
			12:00 - 12:10	The role of spontaneous retinal venous pulsations in the post-operative follow-up of patients with intracranial hypertension Linda D'antona		12:00 - 12:10	Idiopathic Normal Pressure Hydrocephalus: pre- and postoperative performance in 6-minute walk test and 3-meter backward walk test Lena Kollen
			12:10 - 12:20	Changes in telemetric intracranial pressure after implantation of shunt for Idiopathic Intracranial Hypertension Georgios Tsermoulas		12:10 - 12:20	Normal pressure hydrocephalus as a reversible component of multifactorial dementia: assessment of post-surgical improvement Maria Paula Vargas
			12:20 - 12:30	Elevated systemic venous pressure in pediatric IIH Marianne Juhler		12:20 - 12:30	Neuropsychological Profile in Adults with Asymptomatic, Untreated Congenital Hydrocephalus Nickolas Dasher
			12:30 - 12:40	Headache severity is related to increased CSF dynamics in spontaneous intracranial hypotension (SIH) Katharina Wolf		12:30 - 12:40	Comparison of Decline In Different Cognitive Domain In Patients With Normal Pressure Hydrocephalus Adela Bubenikova
12:40 - 14:00	Industry Sponsored Lunch Seminar						
14:00 - 15:30	Session 26: Adult Hydrocephalus (CSF Biomarkers)		14:00 - 15:50	Session 27: Physiology of CSF Circulation & Neurofluids		14:00 - 15:50	Session 28: Adult hydrocephalus
14:00 - 14:20	Diagnosis and prognosis of adult hydrocephalus-the role of biomarkers Katarina Laurell		14:00 - 14:10	The impact of correlating symptoms to cerebrospinal fluid dynamics: a Machine Learning-led exploration of infusion study metrics Nicole Keong		14:00 - 14:10	MRI markers of idiopathic normal pressure hydrocephalus in a population study with 791 participants: exploring reference values and associations Clara Constantinescu
14:20 - 14:40	Use of CSF Biomarkers for Postoperative Management of Shunts Madoka Nakajima		14:10 - 14:20	Intracranial pressure in prone position Eleanor Moncur		14:10 - 14:20	Morphological and clinical changes after shunt Pietro Todessayi
14:40 - 14:50	Idiopathic normal pressure hydrocephalus: associations between CSF biomarkers, clinical symptoms, and postoperative outcome Mats Tullberg		14:20 - 14:30	Non-invasive Intracranial Pressure Waveform of Patients with Idiopathic Intracranial Hypertension Anthony Hong		14:20 - 14:30	Impact of Third Ventricle Morphology on Long-Term Memory in LOVA Hydrocephalus Cristina Cuppone
14:50 - 15:00	Lipocalin-type prostaglandin D synthase: a glymphopathy marker in idiopathic normal pressure hydrocephalus Namiko Nishida		14:30 - 14:40	Intracranial baroreflex. A review. Eric Schmidt		14:30 - 14:40	Can the degree of Disproportionately Enlarged Subarachnoid-space Hydrocephalus predict improvement? Sofia Möckelind
15:00 - 15:10	Analysis of Amyloid Oligomer Concentrations in CSF and Plasma Before and After CSF Shunting Chihiro Akiba		14:40 - 14:50	Neurofluid flow dynamics by particle injection study Takuya Akai		14:40 - 14:50	Intracranial volume change studied by PC-MRI in hydrocephalus patients and healthy volunteers Olivier Baledent
15:10 - 15:20	Early results of CSF and plasma cytokines and chemokines 3 and 12 months after shunting in idiopathic normal pressure hydrocephalus; a prospective controlled study Rafael Holmgren		14:50 - 15:00	Method for measurement of glymphatic flow rate in INPH Anders Eklund		14:50 - 15:00	Preliminary study of vertical shift index of corpus callosum: A novel diagnostic tool for normal pressure hydrocephalus Yoshinaga Kajimoto
15:20 - 15:30	APOE levels are significantly reduced in post-traumatic hydrocephalus Gianna Fote		15:00 - 15:10	Insights neurofluid dynamics in Chiari syndromes? Pauline Carlier		15:00 - 15:10	Manual and automatic quantification of ventricular volume before and after shunt surgery in idiopathic normal pressure hydrocephalus Woosung Seo
15:30 - 15:40	Advice to our colleagues: family practitioners and geriatricians Daniele Rigamonti		15:10 - 15:20	Non-invasive MRI of Blood-CSF-Barrier Function: A Novel Tool for Assessment of Pharmacological Management of Intracranial Pressure and in an Experimental Model of Hydrocephalus Shereen Nizari		15:10 - 15:20	3T MRI Characteristics and Gait Assessment Scales in INPH Patients: Insights into Pathophysiology Alessandro Pirina
15:40 - 15:50	Discussion		15:20 - 15:30	Estimating osmotic pressure of the CSF in INPH patients using T2 analysis Koichi Oshio		15:20 - 15:30	Adult normal pressure hydrocephalus, Normal tension glaucoma and neurodegeneration. Are there any additional evidence based treatment options? Edith Rom
			15:30 - 15:40	A thermodynamic model of obstructive hydrocephalus Michael Egnor		15:30 - 15:50	Quadruple misfolded proteinopathy combined with normal pressure hydrocephalus: an autopsy case report Yixuan Huang
			15:40 - 15:50	Discussion			
15:50 - 16:20	Coffee Break & Exhibition						
16:20 - 17:30	Session 29: Special Session on Smart Devices		16:20 - 17:40	Session 30: Intracranial Pressure		16:20 - 17:40	Session 31: Neuroimaging
16:20 - 16:30	Distinguishing Pathological Gait by Artificial Intelligence and Fluctuation Analysis: Research with Motion Capture Application TDPT-GT Considering the Gait of Hakim's Disease (iNPH) Chifumi Iseki		16:20 - 16:30	ICP is more than a number in hydrocephalus Marek Czosnyka		16:20 - 16:30	Clinical improvement after shunt surgery in idiopathic normal pressure hydrocephalus patients can be quantified by diffusion tensor imaging Adela Bubenikova

16:30 - 16:40	Assessment of Pathological Gait: Arm Swings and Stride Length with a Deep Learning Smartphone App Atsuhito Taishaku		16:30 - 16:40	Telemetric intracranial pressure readings: algorithms to guide the long-term management of patients with cerebrospinal fluid disorders Linda D'antona		16:30 - 16:40	Differentiating iNPH from other dementias: preliminary results on glymphatic function using the ALPS index Daniele Piccolo
16:40 - 16:50	Predicting Good Outcomes One Year After Shunt Surgery in iNPH Patients with Mild Gait Disturbance: The Role of instrumented Timed-Up Go test Score Ryo Oike		16:40 - 16:50	Non-invasive intracranial pressure estimation using retinal photoplethysmography William Morgan		16:40 - 16:50	Measurement and Visualization of Water Molecule Movements in Brain Parenchyma using MRI Q-space Imaging Satoshi Yatsushiro
16:50 - 17:00	Exploring Voice Acoustic Features and Cognitive Metrics in Hakim's Disease: A Machine Learning Approach to Differentiating Hakim's Disease from Other Neurodegenerative Disorders Jiho Lee		16:50 - 17:00	First in human trial of a new telemetry system for the remote chronic monitoring of intracranial pressure in hydrocephalus patients Simon Malpas		16:50 - 17:00	Spectral diffusion analysis in patients with idiopathic normal pressure hydrocephalus Shota Ishida
Monday, 16 September 2024							
	Plenary Hall			Parallel Hall 1			Parallel Hall 2
07:30 - 08:30	Industry Sponsored Breakfast Seminar						
08:30 - 09:15	Session 32: Pediatric Hydrocephalus		08:30 - 09:15	Session 33: Movement Disorder and Hydrocephalus		08:30 - 09:15	Session 34: Experimental Hydrocephalus
08:30 - 08:50	Lecture Topic TBA Deepak Gupta		08:30 - 08:40	Radiological markers in PsP vs NPH. Systematic review and meta-analysis. Niccolò Neri		08:30 - 08:40	The pathology underlying hydrocephalus due to ciliary dysfunction Kaito Kawamura
08:50 - 09:00	Analyzing Fluid Dynamic Patterns in Ventricular Catheters for Pediatric Hydrocephalus Christopher Roberts		08:40 - 08:50	Comparison of Finger Tapping in Patients with Idiopathic Normal Pressure Hydrocephalus and Parkinson's Disease Yoko Shimizu		08:40 - 08:50	Neuroinflammation and Tight Junction Disruption in the Choroid Plexus are Associated with Posthemorrhagic Hydrocephalus in Preterm Infants and a Neonatal Mouse Model Maria Garcia Bonilla
09:00 - 09:10	Forefront treatment of post-hemorrhagic ventricular dilatation in extremely low birth weight infants to avoid permanent ventriculo peritoneal shunt and improve neurodevelopmental outcome Young Soo Park		08:50 - 09:00	Progressive Parkinsonism due to aqueductal stenosis-induced hydrocephalus Kenichi Nishiyama		08:50 - 09:00	Cortical and Hippocampal β -amyloid deposition and CSF clearance through the choroid plexus in a model of chronic hydrocephalus Ryo Miyahara
09:10 - 09:15	Outcomes of endoscopic third ventriculostomy $\pm$ choroid plexus cauterization in pediatric hydrocephalus management in Africa: Systematic review/meta-analysis Larrey Kasereka Kamabu		09:00 - 09:10	Idiopathic normal pressure hydrocephalus concomitant with progressive supranuclear palsy Tomoyo Shimada		09:00 - 09:10	New mechanism hypothesis of Maillard reaction-mediated cerebrospinal production at the choroid plexus Yasuhiko Hayashi
			09:10 - 09:15	Discussion		09:10 - 09:15	Discussion
09:15 - 10:15	Session 35: Genetics		09:15 - 10:15	Session 36: Movement Disorder and Hydrocephalus		09:15 - 10:15	Session 37: Adult Hydrocephalus (L-P shunt)
09:15 - 09:25	Translational multi-omics for patients with hydrocephalus Kristopher T. Kahle		09:15 - 09:25	A Patient with Clinical Presentation of Richardson's Syndrome but Pathologically Confirmed Secondary Hydrocephalus without Neurodegenerative Disease Ikuko Aiba		09:15 - 09:25	Expert opinions for standardization of post-shunt management of patients with idiopathic normal pressure hydrocephalus Madoka Nakajima
09:25 - 09:45	Genetics of NPH in relation to neurodegenerative diseases Ville Leinonen		09:25 - 09:35	Cerebral perfusion SPECT may help predict shunting effectiveness in patients with PSP and Hakim's disease Naoki Yamahara		09:25 - 09:35	Comparison of lumboperitoneal shunt under local anesthesia and ventriculoperitoneal shunt under general anesthesia for hydrocephalus related to leptomeningeal metastasis Ki-Su Park
09:45 - 09:50	Risk variants associated with normal pressure hydrocephalus in a genome-wide association study Joel Räsänen		09:35 - 09:45	Cognitive Impairment in iNPH and PD: A Comparative Analysis of Linguistic, Acoustic, and Gaze Features Nayeon Kim		09:35 - 09:45	Comparing the efficacy of LP and VP shunts in iNPH: a systematic review and meta-analysis Arya Abaee
09:50 - 10:00	Deciphering congenital hydrocephalus genes using XENOPUS Engin Deniz		09:45 - 09:50	Cardiac 123I-MIBG scintigraphy for Parkinson's disease and idiopathic normal pressure hydrocephalus Toru Baba		09:45 - 09:50	Lumboperitoneal shunt surgery via lateral abdominal laparotomy Yukihiro Goto
10:00 - 10:10	Two families presenting normal pressure hydrocephalus had the variant of KIF18B. Case reports and a review of Kinesin association with hydrocephalus Chifumi Iseki		09:50 - 10:00	Shunt study for the patients with Hakim's disease comorbid with PD/PDD Taiji Tsunemi		09:50 - 10:00	A new Lumbo-Peritoneal Shunt System for the treatment of Communicating Hydrocephalus: First Experiences and Clinical Perspectives Vincent Prinz
10:00 - 10:10	Discussion		10:00 - 10:10	Freezing of gait in idiopathic normal pressure hydrocephalus Jan Malm		10:00 - 10:10	LP shunt in patients with iNPH : Surgical technique Naoyuki Samejima
			10:10 - 10:15	Discussion		10:10 - 10:15	Discussion
10:15 - 11:00	Coffee Break & Exhibition						
11:00 - 12:30	Session 38: Joint session of the International Parkinson and Movement Disorder Society and the Hydrocephalus Society Title: Disentangled relationship between iNPH and Parkinsonisms		11:00 - 12:30	Session 39: Neuroimaging		11:00 - 12:30	Session 40: Technical Advances in Treatment and Diagnosis
11:00 - 11:15	Movement disorders in iNPH Joachim Krauss		11:00 - 11:10	Hippocampal shape abnormalities in idiopathic normal-pressure hydrocephalus Kyunghun Kang		11:00 - 11:10	Quantification of Regional Neural Tissue Strain in Type I Chiari Malformation Pre- and Post-Operatively Gwendolyn Williams

11:15 - 11:30	Parkinsonian disorders and INPH Mats Tullberg		11:10 - 11:20	Associations Between DESH Pattern on MRI and Enlarged Perivascular Space and WMH Load in the Mayo Clinic Study of Aging (MCSA) Jeff Gunter		11:10 - 11:20	Efficacy of endoscopic cerebrospinal fluid diversion training using translucent ventricle model Tomoru Miwa
11:30 - 11:45	Exposome and INPH – the role of acquired factors in INPH and Movement Disorders Sevil Yasar		11:20 - 11:30	Different dynamic craniospinal CSF and spinal cord patterns in spontaneous intracranial hypotension (SIH), and idiopathic intracranial hypertension (IIH) resolved by phase-contrast MRI Katharina Wolf		11:20 - 11:30	CSF Proteomics in Spontaneous Intracranial Hypotension Amir El Rahal
11:45 - 12:00	Neurodegeneration, glymphatics, cilia function etc. in INPH and Movement Disorders Alfonso Fasano		11:30 - 11:40	High Diagnostic Performance of StateViewer AI for Normal Pressure Hydrocephalus Using Brain FDG-PET Imaging David Jones		11:30 - 11:40	Normal Cerebrospinal Fluid Production Rate in Normal Pressure Hydrocephalus Patients Post Lumbar Infusion Test Kanza Tariq
12:00 - 12:30	Round table discussion: Current state and future needs in research		11:40 - 11:50	The Super Learner Algorithm: Enhancing Idiopathic Normal Pressure Hydrocephalus Diagnosis with AI-Enhanced Cortical Analysis Daniele Piccolo		11:40 - 11:50	Use of the lumbar infusion test in paediatric populations with idiopathic intracranial hypertension: a systematic review of the literature and institutional experience Adela Bubenikova
			11:50 - 12:00	Enhancing Differentiation Accuracy of Idiopathic Normal Pressure Hydrocephalus by Simultaneously Assessing GM and WM Using a Multi-input CNN in MRI Fubuki Sawa		11:50 - 12:00	“Standard” vs Miethke Shunt Valves for Paediatric Hydrocephalus: The Leeds Experience Hamza Rehman
			12:00 - 12:10	Ventricular volumetry in relation to clinical outcome in INPH at 3 and 12 months after surgery Rafael Holmgren		12:00 - 12:10	IS THE STUDY OF CRANIOSPINAL CSF DYNAMICS PREDICTIVE OF HEADACHE IMPROVEMENT AFTER CHIARI SYNDROME SURGERY? Cyrille Capel
			12:10 - 12:20	Cerebral blood and CSF volume change dynamics studied by PC-MRI in hydrocephalus Kimi Owashi		12:10 - 12:20	Step by Step: A detailed gait analysis in patients with idiopathic normal pressure hydrocephalus using 3D motion capture Richard Mills
			12:20 - 12:30	Correlation between GLCM-based texture features of the lateral pterygoid muscle and cognitive function in patients with idiopathic normal pressure hydrocephalus: a preliminary report Shin Heon Lee		12:20 - 12:30	Discussion
12:30 - 13:40	Industry Sponsored Lunch Seminar						
13:40 - 15:20	Session 41: Special Session: Hydrocephalus Society - EANS Joint Session: Controversies in Spontaneous intracranial hypotension		13:40 - 15:20	Session 42: Adult Hydrocephalus (Epidemiology)		13:40 - 15:20	Session 43: Oral Flash Presentations of e-Posters
13:40 - 13:55	Clinic and pitfalls Henrik Schytz		13:40 - 13:50	Analyzing the Prevalence of Hakim’s Triad in the Presentation of Normal Pressure Hydrocephalus Anthony Hong		13:40 - 13:45	What’s Next? A Case of Post-Operative Excision of AVM Complicated by Trapped Temporal Horn from a Complicated Epidural Abscess: A Systematic Review of Current Approaches Juan Manuel Torio
13:55 - 14:10	Imaging workup and endovascular treatment Tomas Dobrocky		13:50 - 14:00	Racial Disparities in the Utilization of Normal Pressure Hydrocephalus Services in Maryland, United States Taiwo Akindahunsi		13:45 - 13:50	35-Year Overview of the Registry for Patients with NTD Pathology in Estonia Tiit Nikopensius
14:10 - 14:25	More imaging tips and percutaneous treatment Lalani Carlton Jones		14:00 - 14:10	Coverage and data validity of the Swedish Hydrocephalus Quality Registry Sara Qvarlander		13:50 - 13:55	Ancient schwannoma masking diagnosis of Secondary Normal Pressure Hydrocephalus in a 65-year-old male presenting with gait instability: A Systematic Review and Illustrative Case John Emmanuel Torio
14:25 - 14:40	Microsurgical anatomy and surgical treatment of spinal leaks Juergen Beck		14:10 - 14:20	Prevalence of possible INPH in Korean population, investigated in the primary medical care/health care system Myong Hun Hahm		13:55 - 14:00	Trans-oral protrusion of the distal end of a ventriculoperitoneal shunt: a case report of an unusual complication Berjo Dongmo Takoutsing
14:40 - 14:55	Long term sequelae of spinal leaks and surgical treatment Wouter Schievink		14:20 - 14:30	Cerebrospinal Fluid Proteomic Profile of Frailty Eric Schmidt		14:00 - 14:05	Investigating Shunt Catheter Obstruction: A Comparative Flow Study Between Modified and Commercial Catheters Amirhossein Shahriari
14:55 - 15:10	Establishment of guidelines and standards Manjit Matharu		14:30 - 14:40	Is it Possible to Accurately Distinguish Between LOVA and iNPH? Exploring the Challenge of Differential Diagnosis Alessandro Pirina		14:05 - 14:10	Lumbo-Atrial Shunt Revision: A Case Report with Histological Insights Michael Le
15:10 - 15:20	Round table discussion: Current state and future needs in research		14:40 - 14:50	Screening for idiopathic normal pressure hydrocephalus in patients with minor ischemic stroke Takashi Iimori		14:10 - 14:15	Factors that improve ETVSS reliability in pediatric hydrocephalus cases Michihiro Kurimoto

			14:50 - 15:00	The evolution of a multidisciplinary Normal Pressure Hydrocephalus service: continuous quality improvement Samuel Jeffery		14:15 - 14:20	What is the Optimal Position for a Ventricular Catheter? Effect of proximal catheter position on ventriculoatrial or ventriculoperitoneal shunt survival Maria Paula Vargas
			15:00 - 15:10	Screening INPH Patients Using Fundoscopy: A Novel Method Mathias Just Nortvig		14:20 - 14:25	Hydrocephalus with chromosome 9 tetrasomy and persistent left superior vena cava treated by Ventriculo-femoro-atrial shunt: A case report Rin Shimozato
			15:10 - 15:20	Normal Pressure Hydrocephalus: A Syndrome, Not a Disease Yoav Piura		14:25 - 14:30	Unraveling the role of α SNAP M105I Mutation on Mitochondrial Biogenesis and Cell Polarity in NSCs of hyh Mice: A Comprehensive Study of α SNAP protein-protein interaction Roberto Henzi
						14:30 - 14:35	Variation in Cerebrospinal Fluid Production Rate During Asleep and Awake States Kanza Tariq
						14:35 - 14:40	Preventing Shunt Peritoneal Catheter Displacement by Eliminating Catheter Exposure to Dead Space Yasouaki Inoue
						14:40 - 14:45	Differential diagnosis of posttraumatic ventriculomegaly in unresponsive wakefulness and minimal consciousness state patients: hydrocephalus or atrophy? Yaroslav Latyshev
						14:45 - 14:50	Trans-burr hole ultrasound to confirm Reflow System Mini function and proximal catheter patency in a hydrocephalus patient with a ventricular shunt Ryan Lee
						14:50 - 14:55	Extradural Arachnoid Cyst: An Extremely Rare Complication Associated with Lumboperitoneal Shunt Daisuke Kita
						14:55 - 15:00	Using cervical lymphatics for cerebrospinal fluid modulation Angelique Regnier-Golanov
						15:00 - 15:05	Magnetic Stability Analysis of the SPHERA PRO Programmable Valve Fernando Pinto
						15:05 - 15:10	Utility of the Dot Counting and Rey-15 Item Recognition performance validity tests in cognitive assessment of patients with suspected idiopathic normal pressure hydrocephalus Gemma Johns
						15:10 - 15:15	Evaluation of imaging predictors and their relationship with postoperative outcome in patients with normal pressure hydrocephalus undergoing ventricular shunt Maria Paula Vargas
						15:15 - 15:20	Outcomes of endoscopic third ventriculostomy with or without choroid plexus cauterization in pediatric hydrocephalus management in Africa: a systematic review and meta-analysis Larrey Kasereka Kamabu
15:30 - 16:20	Session 44: Closing of the Hydrocephalus Meeting					15:20 - 15:25	Assessment of Non-invasive ICP Dynamics for Shunted Normal Pressure Hydrocephalus Patients Raphael Bertani
	Chairs: Mitsuhiro Mase, Mats Tullberg, Shigeki Yamada						
15:30 - 15:40	Highlights from the Hydrocephalus 2024 Meeting Michael Williams						
15:40 - 15:50	Young Investigators Awards: Presentation of Results Carolyn Harris						
15:50 - 16:00	Closing Address by the Hydrocephalus 2024 President Mitsuhiro Mase						

16:00 - 16:10	Closing Address by the Hydrocephalus Society Mats Tullberg					
16:10 - 16:20	Hydrocephalus 2025 World Congress Toulouse Welcome Eric Schmidt					

List of ePosters

ePosters are not associated with a specific timeslot/presentation; They are displayed in screens at the Meeting for browsing and are available through the Meeting mobile app.

EP1	Gomes coil: an inventive neuroplastic solution for bone growth deformities caused by arachnoid cysts Fernando Campos Gomes Pinto	EP14	Are Ventriculopleural Shunts the Second Option for Treating Hydrocephalus? A Systematic Review And Proportional Meta-analysis Leonardo B Oliveira
EP2	Comparative Analysis of External Ventricular Drainage and Ventriculoperitoneal Shunt for the Treatment of Hydrocephalus Caused by Posterior Fossa Tumors: A Meta-Analysis and Systematic Review Stefeson Junior	EP15	Lumboperitoneal Shunt Surgery Following Failed Endoscopic Third Ventriculostomy in Hakim's Disease: Flow Rate through the Aqueduct of Sylvius as a Potential Factor Associated with Failure Ki-Su Park
EP3	Effectiveness of Subtemporal Decompression in Managing Slit Ventricle Syndrome: A Systematic Review and Meta-Analysis Stefeson Junior	EP16	What is the best option for the initial pressure setting of the Sphera Pro programmable valve in the treatment of idiopathic normal pressure hydrocephalus? Rodolfo Reis
EP4	Effectiveness and Safety of Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization Compared to Ventriculoperitoneal Shunt for Hydrocephalus: A Systematic Review and Meta-Analysis Stefeson Junior	EP17	Neuromodulation hypothesis in Normal Pressure Hydrocephalus Eric Schmidt
EP5	Endoscopic Third Ventriculostomy in Chiari Malformation Type I: A Systematic Review and Meta-Analysis Stefeson Junior	EP18	Post-Traumatic Hydrocephalus after Decompressive Craniectomy for patients with Traumatic Brain Injury: A Systematic Review and Updated Meta Analysis Gabriel Semione
EP6	Efficacy of the External Ventricular Drain in the treatment of hydrocephalus caused by posterior fossa tumors avoiding the shunt: A Systematic Review and Meta-Analysis Stefeson Junior	EP19	Enhancing the Quality of Evidence, Comparability, and Reproducibility in Ventriculoatrial Shunt Research for Normal Pressure Hydrocephalus: A Systematic Review and VAS-NPH Reporting Guideline Gabriel Semione
EP7	Endoscopic Third Ventriculostomy for the Treatment of Hydrocephalus Caused by Posterior Fossa Tumor: A Systematic Review and Meta-Analysis Stefeson Junior	EP20	Case Report: The Importance Of Performing Intracranial Monitoring And The Tap Test In Patients With Idiopathic Normal Pressure Hydrocephalus Raphael Bertani
EP8	Good clinical outcomes and CSF drainage in patients undergoing simultaneous Biopsy and endoscopic Third Ventriculostomy in the pineal tumors region: a Systematic Review and Meta-analysis Stefeson Junior	EP21	Prevention of early ventriculoperitoneal shunt infection: a long-term experience from Peking Union Medical College Hospital Junji Wei
EP9	Postoperative Hydrocephalus in a foramen magnum meningioma: case report and review of literature Mayur Vinaykumar Kaku	EP22	Analysis of Trends and Outcomes in Congenital Hydrocephalus: Implications for Neonatal Health in Brazil Kim Wouters
EP10	Enhancing the Quality of Evidence, Comparability, and Reproducibility in Normal Pressure Hydrocephalus Research: A Systematic Review and NPH Reporting Guideline Study Protocol Leonardo B Oliveira	EP23	Withs different neuropsychological assessments are the most uses for Normal pressure hydrocephalus in combination with the tap-test? - A systematic review Kim Wouters
EP11	Lumboperitoneal Shunt for Treating Hydrocephalus: A Systematic Review and Single-Arm Meta-Analysis Leonardo B Oliveira	EP24	Non-invasive techniques versus invasive techniques for diagnosing shunt-responsive patients with normal pressure hydrocephalus: A systematic review. Kim Wouters, Raphael Bertani
EP12	Ventriculoatrial Shunt Versus Ventriculoperitoneal Shunt: A Systematic Review and Meta-Analysis Leonardo B Oliveira	EP25	Efficacy and Safety Analysis of the SPHERA PRO Programmable Valve in the Treatment of NPH Raphael Bertani
EP13	Update on the surgical treatment of post-hemorrhagic hydrocephalus in preterm neonates: a systematic review Leonardo B Oliveira	EP26	Analysis of Long-Term Care Insurance Service Utilization pattern and grade according to clinical factors including the severity of Dementia Jun Hong Lee