

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 Tullberg, 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 Tullberg - Hydrocephalus Society President					
08:15 - 08:30	Welcome to Nagoya Mitsuhiro 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 Hyperlipidemia 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 Nikaïdo		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 Kuoppio 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 hydrocephalus 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	Session 16: Oral Flash Presentations of e-Posters (Adult Hydrocephalus)
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	By referring to preoperative 3D MRI, inter-rater reliability of callosal angle can be obtained even with 5 mm thick CT Hisayuki Murai
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	Pupillary responses to the glare illusion in patients with normal-pressure hydrocephalus Ai Kawamura
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	PATIENTS WITH NORMAL PRESSURE HYDROCEPHALUS SUFFER FROM CHRONIC CEREBRAL ISCHAEMIA DUE TO VENOUS COMPRESSION Masahiro Kameda
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	Investigating the Impact of Macrophage Infiltration on Secondary Chronic Hydrocephalus in Vestibular Schwannoma Seiji Yamada
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 Sluifjters		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	Characteristics of Postural Instability in Idiopathic Normal Pressure Hydrocephalus Eunhee Park
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	Insight on the burden of hydrocephalus in a Latin American upper-middle income country: a nationwide study in Colombia Maria Paula Vargas
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	A case of idiopathic normal pressure hydrocephalus on long-term observational follow-up due to generalized cerebral sulcus enlargement with poor ventricular enlargement and atrophy-like findings Shinya Watanabe
						09:05 - 09:10	IMPACT OF DIFFERENT DIAGNOSTIC TECHNIQUES IN THE MANAGEMENT OF HAKIM DISEASE Cyrille Capel
						09:10 - 09:15	A case of acute ischemic stroke due to untreated normal pressure hydrocephalus improved by shunting Yuhei Kuriyama
						09:15 - 09:20	Combining endoscopic third ventriculostomy and tumor biopsy did not increase the risk of leptomeningeal tumor dissemination for intraventricular and paraventricular tumors with obstructive hydrocephalus Masahiro Oishi
						09:20 - 09:25	Efficacy and outcome of shunt surgery for secondary hydrocephalus Junji Wei

					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 agalactiae 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 IHH 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 Rafaël 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						