

DOMINGO 26 DE OCTUBRE – CURSOS

Hora	Session	Room
08:00 – 08:20	Neuromonitoreo pediátrico Chairperson: José Antonio Carmona ; Alicia Garcia Una visión global del monitoreo neurológico multimodal. <ul style="list-style-type: none"> Cecilia Taboada 	Caribe
08:20 – 09:00	Taller de 2 casos clínicos de monitoreo de la oxigenación cerebral y su integración a sistemas de soporte orgánico y monitoreo sistémico <ul style="list-style-type: none"> José Antonio Carmona 	
09:00 – 09:40	Monitoreo de la oxigenación cerebral: Su técnica, sus grandes ventajas <ul style="list-style-type: none"> Mattias Schubert 	
09:40 – 11:40	Estrategias ventilatorias sin hacer daño el cerebro <ul style="list-style-type: none"> Jesús Domínguez 	
08:20 – 08:25	ICM+ Advanced Neuromonitoring Welcome <ul style="list-style-type: none"> Peter Smielewski 	Cancún
08:35 – 10:30	Data collection: ICM+ as a data collection and analysis tool <ul style="list-style-type: none"> Peter Smielewski Data collection: Hands-on	
08:30 – 08:40	LABIC - Latin American Brain Injury Consortium Presentación del curso	Bariloche
08:40 – 09:05	PUPILOMETRIA <ul style="list-style-type: none"> Carla Rynkowski 	
09:05 – 09:30	DIÁMETRO VAINA NERVIO OPTICO <ul style="list-style-type: none"> Christian Yic 	
09:30 – 09:55	BRAIN 4 CARE	

Hora	Session	Room
	<ul style="list-style-type: none"> Carla Rynkowski 	
09:55 – 10:20	BIOMARCADORES <ul style="list-style-type: none"> Pedro Grille 	
10:20 – 10:45	DOPPLER TRANSCRANEAL <ul style="list-style-type: none"> Omar Heredia 	
10:30 - 11:00	Coffee Break	Foyer
11:00 – 13:00	ICM+ Advanced Neuromonitoring Data handling: curation, browsing, exporting ICM+ data handling introduction <ul style="list-style-type: none"> Peter Smielewski Hands-on Data analysis principles Monitoring CA with ICM+ <ul style="list-style-type: none"> Erta Beqiri Monitoring ICP dynamics with ICM+ <ul style="list-style-type: none"> Peter Smielewski 	Cancún
11:15 – 12:30	Estaciones prácticas <ul style="list-style-type: none"> - PUPILOMETRÍA - DVNO - BRAIN 4 CARE - DOPPLER TRANSCRANEAL • Equipo Docente LABIC 	Bariloche
12:30 – 12:40	Conclusiones y Clausura del Curso	
11:40 -	Neuromonitoreo pediátrico Vaina del Nervio óptico, un monitor de bajo costo sus limitaciones y verdades <ul style="list-style-type: none"> Edwin Mauricio Cantillano 	Caribe
11:30 – 12:40	Taller de vaina del nervio óptico <ul style="list-style-type: none"> Jesús Domínguez 	

Hora	Session	Room
	<ul style="list-style-type: none"> Cecilia Taboada Patrick Caqui Vilca 	
12:40 -	<p>Monitoreo ultrasonográfico pediátrico. Robándole la identidad al cerebro por medio del sonido</p> <ul style="list-style-type: none"> Patrick Caqui Vilca 	
	<p>Taller tutelar</p> <ul style="list-style-type: none"> Jesús Domínguez Cecilia Taboada Patrick Caqui Vilca Edwin Mauricio Cantillano 	
	Break para almuerzo	
14:00 - 16:00	<p>ICM+ Advanced Neuromonitoring</p> <p>Data analysis principles: briefing on ICM+ data analysis principles</p> <ul style="list-style-type: none"> Peter Smielewski <p>Data analysis principles: Hands-on</p> <p>Data analysis principles: Clinical cases</p> <ul style="list-style-type: none"> Erta Beqiri <p>Data analysis principles: ICM+ for clinical trials</p> <ul style="list-style-type: none"> Erta Beqiri 	Cancún
15:00 – 16:30	<p>Neuromonitoreo pediátrico</p> <p>Usando al cerebro como monitor del gasto cardiaco</p> <ul style="list-style-type: none"> Cecilia Taboada Edwin Mauricio Cantillano <p>Casos Clínicos de NIRS</p>	Caribe
16:00 - 16:30	Coffee Break	Foyer
16:30 – 17:30	<p>Neuromonitoreo pediátrico</p> <p>Electroencefalografía procesada y un despertar congruente</p>	Caribe

Hora	Session	Room
	<ul style="list-style-type: none"> Yuliana Olivero 	
17:30 – 18:00	Electroencefalografía procesada: La pantalla de cuatro canales que muestra flamas y líneas <ul style="list-style-type: none"> Edwin Mauricio Cantillano 	
18:00 – 18:30	PRx de bajo costo creado en LATAM <ul style="list-style-type: none"> Telmo Fernández 	
16:30 – 17:45	ICM+ Advanced Neuromonitoring Data analysis advanced tools OR bring your own data: advanced tools, AI integration <ul style="list-style-type: none"> Peter Smielewski Data analysis advanced tools OR bring your own data: Hands-on	Cancún
17:45 – 18:00	Closing remarks <ul style="list-style-type: none"> Peter Smielewski 	

LUNES 27 DE OCTUBRE – CONGRESO

Hora	Session	Room
07:00 - 08:00	Registration	Foyer
08:00 – 08:15	Session 1 - ICP Physiology, Pathophysiology, Waveforms, RAP index, Compliance Chairperson: Erta Beqiri ; Sergio Brasil The ICP Waveform -- A Theoretical Model Explains Observed WaveformsClick to read <ul style="list-style-type: none"> Presenting Author: Ofer Barnea - Israel - Tel Aviv University 	Rio de Janeiro
08:15 – 08:30	Central Role Of Pathological Microvascular Shunts In The Development Of Intracranial HypertensionClick to read <ul style="list-style-type: none"> Presenting Author: Edwin Nemoto - - University of New Mexico 	
08:30 – 08:45	RAP-plot And Its Upper Breakpoint: An Investigation Into Variability And PhysiologyClick to read <ul style="list-style-type: none"> Presenting Author: Zofia Czosnyka - - University of Cambridge 	

Hora	Session	Room
08:45 – 09:00	<p>Venous Outflow Resistance In Elevated ICP -- An Important And Overlooked ParameterClick to read</p> <ul style="list-style-type: none"> Presenting Author: Yuliya Zadka - - Tel Aviv University 	
09:00 - 09:15	<p>Further Insights Into The Factors Influencing Intracranial Pressure Pulse Waveform MorphologyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Agnieszka Kazimierska - Poland - Wroclaw University of Science and Technology 	
09:15 - 09:45	Coffee Break	Foyer
09:45 – 10:00	<p>Session 2- Compliance, RAP index, Elasticity, TBI models Chairperson: Prof. Ronney Panerai ; Guy Rosenthal</p> <p>Photobiomodulation Enhances Cerebral Blood Flow, Brain Drainage, And Compliance In A Murine Model Of Repeated Concussive Traumatic Brain Injury.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Denis Bragin - - Lovelace Biomedical Research Institute 	Rio de Janeiro
10:00 – 10:15	<p>Prospective Comparative Clinical Trials Of Novel Noninvasive Intracranial Pressure Pulse Wave And Compliance Monitoring Technology: Preliminary Clinical DataClick to read</p> <ul style="list-style-type: none"> Presenting Author: Vilma Putnynaite - - Health Telematics Science Institute, Kaunas University of Technology, Kaunas, Lithuania 	
10:15 – 10:30	<p>A NONINVASIVE SURROGATE FOR THE RAP INDEXClick to read</p> <ul style="list-style-type: none"> Presenting Author: SÉRGIO BRASIL - Brasil - UNIVERSIDADE DE SÃO PAULO 	
10:30 – 10:45	<p>Estimating Intracranial Elasticity From The ICP Waveform Using A Minimized Mathematical ModelClick to read</p> <ul style="list-style-type: none"> Presenting Author: abed Nassir - - Tel Aviv University 	
10:45 – 11:00	<p>Intracranial Compliance Monitoring Using Pulse Shape Index In Traumatic Brain Injury: Relation To Cerebral Physiology And Clinical OutcomeClick to read</p> <ul style="list-style-type: none"> Presenting Author: Teodor Svedung Wettervik - Sweden - University of Cambridge 	
11:00 - 11:15	<p>Similarity Of Intracranial Pressure And Near-infrared Spectroscopy Pulse Waveforms As A Marker Of Reduced Intracranial ComplianceClick to read</p> <ul style="list-style-type: none"> Presenting Author: Arkadiusz Ziółkowski - - Wroclaw University of Science and Technology, Cortivision sp. z o.o. 	
11:15 - 11:45 ZOOM	<p>Lecture Chairperson: Corina Puppo</p> <p>ICP: more than a number</p>	Rio de Janeiro

Hora	Session	Room
PPT EN SERVIDOR	<ul style="list-style-type: none"> Marek Czosnyka 	
11:45 - 12:15	<p>Lecture Chairperson: Carla Rynkowski</p> <p>Updating Intracranial Dynamics. The Monro-Kellie 4.0Click to read</p> <ul style="list-style-type: none"> Presenting Author: Sergio Brasil - - UNIVERSIDADE DE SÃO PAULO 	Rio de Janeiro
12:15 - 13:45	Lunch Break	Foyer
13:45 – 14:00	<p>Session 3 - Non invasive ICP, tilting, telemetric monitors, ischemic stroke Chairperson: Leandro Moraes ; Alejandra Jaume</p> <p>Morphological Alterations In Brain Optical Signals Induced By Body Position TiltingClick to read</p> <ul style="list-style-type: none"> Presenting Author: Maria Roldan - United Kingdom - Crainio 	Rio de Janeiro
14:00 – 14:15	<p>Noninvasive Intracranial Pressure UniversalizationClick to read</p> <ul style="list-style-type: none"> Presenting Author: sergio brasil - Brasil - UNIVERSIDADE DE SÃO PAULO 	
14:15 – 14:30	<p>Noninvasive Intracranial Estimation Using System Identification And Machine Learning Algorithms With Ranking ConstraintsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Anni Zhao - - Emory University 	
14:30 – 14:45	<p>Telemetric Intracranial Pressure Monitors: Current Status And Future Trends - A Systematic ReviewClick to read</p> <ul style="list-style-type: none"> Presenting Author: Andreas Bunge - - Christoph Miethke GmbH & Co. KG, Potsdam, Germany 	
14:45 – 15:00	<p>Successful Endovascular Therapy Reduces Early Brain Edema In Large Vessel Occlusion StrokeClick to read</p> <ul style="list-style-type: none"> Presenting Author: Alex Trofimov - - Privolzhsky Research Medical University 	
15:00 - 15:15	<p>Optimizing Transcranial Photobiomodulation Using Near-Infrared II Laser For Stroke TherapyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Satoshi Kashiwagi - - Gordon Center for Medical Imaging, Department of Radiology, Massachusetts General Hospital and Harvard Medical School, USA 	
15:15 - 15:45	Coffee Break Sponsored by Innovamed	Foyer

Hora	Session	Room
15:45 – 16:00	<p>Session 4 - Autoregulation 1, CO2 reactivity, TBI 1</p> <p>Chairperson: Peter Smielewski ; Celeste Dias</p> <p>Determination Of The Lower Limit Of Autoregulation Via A Norepinephrine-induced Mean Arterial Pressure Challenge.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Donatien Legé - France - Sophysa, Orsay, France 	Rio de Janeiro
16:00 – 16:15	<p>Explorative Analysis Of Correlation-based Autoregulation Indices Across ICP And CPP RangesClick to read</p> <ul style="list-style-type: none"> Presenting Author: Brenda Pörteners - Belgium - KULeuven 	
16:15 – 16:30	<p>PRx/CPP Curve Shape Should Be Considered In Autoregulation Guided Management Of TBIClick to read</p> <ul style="list-style-type: none"> Presenting Author: erta beqiri - United Kingdom - Brain Physics Lab, University of Cambridge 	
16:30 – 16:45	<p>Effects Of Hypo- And Hyperventilation On Cerebral Physiology In Healthy And Injured Brain: An Experimental Pig ModelClick to read</p> <ul style="list-style-type: none"> Presenting Author: Teodor Svedung Wettervik - Sweden - Uppsala University 	
16:45 – 17:00	<p>Brain Tissue Oxygenation In Spontaneous Intracerebral Hemorrhage: Clinical Description.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Ana Ferreira - - ULS São João 	
17:00 - 17:30	<p>POSTER PRESENTATIONS</p> <p>Moderate And Severe Traumatic Brain Injury In The Intensive Care Unit: Trajectory And Prognostic Factors.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Pedro Grille - Uruguay - Hospital Maciel <p>Developing A Selective Cranial-Brain Cooling System For Treatment Of Traumatic Brain Injury PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Jorge Mauricio Mercado Villegas - Uruguay - Unidad Académica de Cuidados Intensivos, Hospital de Clínicas, Universidad de la República, Uruguay <p>Decompressive Craniectomy Post Traumatic Brain Injury: Outcomes And Functional Prognosis.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Tamara Aguilar - - Hospital de clínicas manuel Quintela <p>The Relationship Of Fever Burden To Outcome Following Traumatic Brain Injury; Data From The Eurtherm3235 TrialClick to read</p> <ul style="list-style-type: none"> Presenting Author: Jonathan Rhodes - United Kingdom - NHS Lothian/University of Edinburgh 	Foyer

Hora	Session	Room
	<p>Refractory Intracranial Hypertension Following Post-traumatic Cerebral Venous Sinus Thrombosis. Case Report.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Pedro Grille - Uruguay - Hospital Maciel <p>Case Report: Malignant Cerebral Venous Sinus Thrombosis And Reverse Cushing's Phenomenon.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Sofia Kohn - Uruguay - Critical Care Unit, Hospital de Clínicas Dr. Manuel Quintela <p>Effect Of Decompressive Craniectomy On Intracranial Haemodynamic And Vascular ReactivityClick to read</p> <ul style="list-style-type: none"> Presenting Author: Tommaso Rochat - - Intensive Care Department, University Hospital of Geneva <p>INTRACRANIAL HYPERTENSION IN HIGH-GRADE GLIOMA: IS INVASIVE MONITORING SUPERIOR?</p> <ul style="list-style-type: none"> Marcos Vidals <p>"Adding a non invasive tool monitoring before safely transport the neurocritical patient"</p> <ul style="list-style-type: none"> Carla Rynkowski 	
17:30 - 18:00	Inauguration	Rio de Janeiro
18:00 - 19:30	Welcome Cocktail	Blend Terrace, Enjoy Hotel

MARTES 28 DE OCTUBRE – CONGRESO

Hora	Session	Room
07:00 - 08:00	Registration	Foyer
08:00 – 08:15	<p>SESSION 5: Johns Hopkins Contribution to ICP 2025: AI, nICP, SAH, ECMO and autoregulation</p> <p>Chairperson: José Ignacio Suarez</p>	

Hora	Session	Room
	<p>Coherent Imaging Approach For Noninvasive Measurement Of ICPClick to read</p> <ul style="list-style-type: none"> Presenting Author: Austen Lefebvre - Estados Unidos - 1Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, US 	
08:15 – 08:30	<p>Noninvasive Multimodal Monitoring Links Hypoperfusion To Early Microcirculatory Dysfunction After Aneurysmal Subarachnoid Hemorrhage (aSAH)Click to read</p> <ul style="list-style-type: none"> Presenting Author: Vishank A Shah - Estados Unidos - Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, US 	
08:30 – 08:45	<p>Association Between The Rate Of Early PaCO₂ Correction And Cerebrovascular Autoregulation In A Porcine Model Of Extracorporeal ResuscitationClick to read</p> <ul style="list-style-type: none"> Presenting Author: Sung-Min Cho - - Department of Anesthesiology and Critical Care Medicine, Johns Hopkins University School of Medicine, Baltimore, MD, US 	
08:45 - 09:15	<p>Lecture</p> <p>Chairperson: José Ignacio Suarez</p> <p>CICL: A Semi Supervised ML Framework To Automate Labeling Of EVD Derived ICP Waveforms For Scalable Predictive ModelingClick to read</p> <ul style="list-style-type: none"> Presenting Author: Rohan Mathur - United States of America - The Johns Hopkins Hospital 	Rio de Janeiro
09:15 – 09:30	<p>SESSION 6: Cerebral Autoregulation 1, Artificial Intelligence, Models,Traumatic brain Injury</p> <p>Chairperson: Luzius Steiner ; Fernando Roosemberg</p> <p>Annotated Data For Machine Learning Models - Why Probabilistic Annotation Beats Binary LabelsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Josef Skola - - Department of Anaesthesiology, Intensive Care and Emergency Medicine, Bulovka University Hospital, Czech Republic 	Rio de Janeiro
09:30 – 09:45	<p>Development Of An Active Cerebrovascular Autoregulation Model Using Representation Learning: A Proof Of Concept Study With Experimental DataClick to read</p> <ul style="list-style-type: none"> Presenting Author: Bavo Kempen - - KU Leuven 	
09:45 – 10:00	<p>Representation Learning For Cerebrovascular Autoregulation: A Model Study With Experimental Data ClassificationClick to read</p> <ul style="list-style-type: none"> Presenting Author: Bavo Kempen - - KU Leuven 	

Hora	Session	Room
10:00 – 10:15	<p>Novel Mode Of Heart-lung Machine For Real-time Identification Of Cerebral Autoregulation Impairments During Cardiopulmonary Bypass: A Prospective Observational StudyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Vilma Putnynaite - - Health Telematics Science Institute, Kaunas University of Technology, Kaunas, Lithuania 	
10:15 - 10:30	<p>Estimation Of Uncertainty Of Phase Shift With Parametric Bootstrap In Traumatic Brain Injury PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Erta Beqiri - United Kingdom - Brain Physics Laboratory, Department of Clinical Neuroscience, Division of Neurosurgery, University of Cambridge 	
10:30 - 11:00	Coffee Break	Foyer
11:00 – 11:15	<p>SESSION 7: Cerebral Autoregulation 2, Models,Traumatic Brain Injury Chairperson: Prof. Ronney Panerai ; Vytautas Petkus</p> <p>Effect Of Depth Of Anesthesia On Cerebrovascular AutoregulationClick to read</p> <ul style="list-style-type: none"> Presenting Author: Angus J. Murgatroyd Wiles - - University Hospital Basel 	Rio de Janeiro
11:15 – 11:30	<p>Improving The Reliability Of The Vascular Reactivity Index For Autoregulation Guided Management Through Deep Learning ModellingClick to read</p> <ul style="list-style-type: none"> Presenting Author: Erta Beqiri - - Brain Physics Laboratory, Department of Clinical Neuroscience, Division of Neurosurgery, University of Cambridge 	
11:30 – 11:45	<p>Understanding PRx, Mx, And Mxa Discrepancies To Improve Cerebral Autoregulation Assessment In Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> Presenting Author: Olakorede Ihsane - - University of Cambridge 	
11:45 – 12:00	<p>Continuous Non-invasive Cerebral Autoregulation Is Septic PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Corina Puppo - - Universidad de la Republica, Uruguay. Critical Care Unit, Clinicas Hospital, Montevideo, Uruguay 	
12:00 – 12:15	<p>Multimodal Neuromonitoring Of Cerebral Autoregulation After Traumatic Brain Injury: An Information-Theoretic ApproachClick to read</p> <ul style="list-style-type: none"> Presenting Author: Wenhao Xu - - University of Cambridge 	
12:15 – 12:30	<p>Functional Ultrasound Imaging For Real-Time Monitoring Of Cerebrovascular Autoregulation In Patients With Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> Presenting Author: Elle Scheijen - Bélgica - KU Leuven 	

Hora	Session	Room
12:30 - 13:00	<p>POSTER PRESENTATIONS</p> <p>Proposal Of The BAD-HSA Score As An Early Predictor Of Poor Prognosis In Patients With Aneurysmal Subarachnoid HemorrhageClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Oswaldo Bolaños - - Hospital Clinica San Francisco <p>MONTE: Advanced Intracranial Pressure And Mean Arterial Blood Pressure Signal Analysis Software To Assist Traumatic Brain Injury Management. A Prospective Multicentre Pilot Study.Click to read</p> <ul style="list-style-type: none"> • Presenting Author: Brenda Pörteners - Belgium - KU Leuven <p>Developing A Severe Traumatic Brain Injury Porcine Model Induced By High Amplitude Rotational AccelerationClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Fábio Gonçalves - Belgium - KU Leuven <p>Spectral Characteristics Of CO2 Oscillations In Acute Brain Injury - A Pilot Study For Reactivity ModelingClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Lenka Horakova - - Department of Anaesthesiology, Intensive <p>Drag Reducing Polymers Improve Cerebral Hemodynamics, Autoregulation, And Compliance In A Swine Polytrauma Model Of Traumatic Brain Injury And Hemorrhagic ShockClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Denis Bragin - Estados Unidos - Lovelace Biomedical Research Institute <p>Eye Tracking Uncovers Covert Visual Pursuit In Unresponsive Patients With Severe Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Alex Trofimov - - Department of Neurological Diseases, Privolzhsky Research Medical University, Nizhny Novgorod, RF <p>Continuous Non-Invasive Monitoring Of Cerebral Autoregulation In A Severely Burned PatientClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Tamara Aguilar - Uruguay - Hospital de Clinicas <p>Interactive Effect Of Vasospasm And Neutrophil-to-Lymphocyte Ratio On Delayed Cerebral Ischemia Post-Aneurysmal Subarachnoid Hemorrhage: A Retrospective Cohort Study.Click to read</p> <ul style="list-style-type: none"> • Presenting Author: Nilia abad - Perú - Hospital Nacional Edgardo Rebagliati Martins - Essalud <p>Early Postoperative Complications After Decompressive Craniectomy For Pediatric Severe Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> • Presenting Author: Zhanna Semenova - - Clinical and Research Institute of Emergency Pediatric Surgery and Trauma, Moscow, RF 	Foyer

Hora	Session	Room
	<p>Management Of Intracranial Hypertension Guided By Noninvasive Neuromonitoring: Experience In The Use Of Pupillometry.Click to read</p> <ul style="list-style-type: none"> Presenting Author: José Emiliano Alfonso - - Hospital Escuela Gral. José Francisco San Martín <p>Experience In The Usefulness Of Pupillometry For The Prediction Of Progression To Brain DeathClick to read</p> <ul style="list-style-type: none"> Presenting Author: emiliano Alfonso - Argentina - Hospital Escuela Gral. José Francisco San Martín 	
13:00 - 13:30	<p>Lecture Chairperson: Peter Smielewski</p> <p>Continuous Intracranial Compliance And Cerebrovascular Resistance: Preclinical Validation To Clinical TranslationClick to read</p> <ul style="list-style-type: none"> Presenting Author: Syed Imaduddin - United Arab Emirates - Khalifa University 	Rio de Janeiro
13:30 - 00:00	Free Afternoon	Foyer

MIÉRCOLES 29 DE OCTUBRE – CONGRESO

Hora	Session	Room
07:30 - 08:00	Registration	Foyer
08:00 - 08:30	<p>Lecture Chairperson: Alberto Biestro</p> <p>Towards Precision Medicine in Mild Traumatic Brain Injury: The Role of Serum Biomarkers</p> <ul style="list-style-type: none"> Maria Antonia Poca 	Rio de Janeiro
08:30 – 08:45	<p>SESION 8: Hydrocephalus Chairperson: Ricardo Alberti ; Federico Salle</p> <p>ICP And CSF Hydrodynamics In Patients With Prolonged Disorders Of Consciousness After Acute Brain Injury.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Eric Schmidt - France - University Hospital Toulouse, France 	Rio de Janeiro

Hora	Session	Room
08:45 – 09:00	<p>CSFsim: A Simulation Framework For Cerebrospinal Fluid Dynamics And Hydrocephalus Shunt SystemClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fabian Flürenbrock - Switzerland - ETH Zurich 	
09:00 – 09:15	<p>Combined Control Of ICP And Assessment Of CSF Dynamics With Smart Shunt SystemsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fabian Flürenbrock - Switzerland - ETH Zurich 	
09:15 – 09:30	<p>Enhancing Shunting Outcome Prediction In NPH Patients Using Hierarchical Bayesian ModelingClick to read</p> <ul style="list-style-type: none"> Presenting Author: Jeremi Chabros - - University of Cambridge 	
09:30 – 09:45	<p>Cerebrospinal Fluid Flow Abnormalities In Chiari Malformation Types 1 And 1.5: Insights From Pediatric And Adult CohortsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Maria A Poca - España - Neurosurgery. Vall d'Hebron University Hospital 	
09:45 – 10:00	<p>Biomarkers From CSF And Brain Tissue And Intracranial Pressure Waveform Parameters In Normal Pressure Hydrocephalus: Results Of A CSF And Brain Biopsy Pilot StudyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Matthias Jaeger - - Department of Neurosurgery, Wollongong Hospital, Wollongong, Australia 	
10:00 - 10:30	Coffee Break	Foyer
10:30 – 10:45	<p>SESSION 9: SAH: Vasospasm, DCI, EVD Wean Trial Chairperson: José Ignacio Suarez</p> <p>Arterial Wall Shear Stress In Cerebral Vasospasm PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Alex Trofimov - - Privolzhsky Research Medical University 	Rio de Janeiro
10:45 – 11:00	<p>Microvascular Cerebral Blood Flow Waveform Morphology Measured With Diffuse Correlation Spectroscopy Is Altered In Response To Vasodilatory Treatment For Cerebral Vasospasm After Subarachnoid HemorrhageClick to read</p> <ul style="list-style-type: none"> Presenting Author: Tara Urner - - Emory University 	
11:00 – 11:15	<p>Monitoring TCD-Derived Cerebral Vasospasm In Aneurysmal Subarachnoid Hemorrhage Using Intracranial Pressure SignalsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fahimeh Mohagheghian - - Emory University 	

Hora	Session	Room
11:15 – 11:30	<p>Early Prediction Of EVD Wean Trial Outcomes In SAH Patients: Integrating ICP Pulse Morphology With EHR DataClick to read</p> <ul style="list-style-type: none"> Presenting Author: Kejun Dong - - Center for Data Science, Nell Hodgson Woodruff School of Nursing, Emory University 	
11:30 – 11:45	<p>The Metabolic And Autoregulatory Profile Of Reversible Delayed Cerebral Ischemia In Unconscious Patients After Aneurysmal Subarachnoid Hemorrhage -- A Prospective Multimodal Neuromonitoring StudyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Michael Veldemam - Germany - University hospital Aachen 	
11:45 – 12:00	<p>Monitoring Treatment Of Delayed Cerebral Ischemia In Unconscious Patients After Aneurysmal Subarachnoid Hemorrhage -- A Prospective Multimodal Neuromonitoring StudyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Michael Veldeman - Germany - Department of Neurosurgery, RWTH Aachen University Hospital, Aachen, Germany 	
12:00 - 12:30	<p>Lecture Chairperson: Bernardo Yelicich</p> <p>Cerebral Perfusion Pressure: from concept to reality</p> <ul style="list-style-type: none"> Prof. Ronney Panerai 	Rio de Janeiro
12:30 - 13:30	<p>INTEGRA SYMPOSIUM (Lunch) Incorporating innovation into the Neuro ICU: Global experiences and perspectivesClick to read</p> <ul style="list-style-type: none"> Dr. Rubiano Prof. Rhodes 	Rio de Janeiro
13:30 – 13:45	<p>SESSION 10: TBI Chairperson: Elisabete Monteiro ; Marcelo Algorta</p> <p>Multimodal Brain Monitoring In Patients With Subarachnoid Haemorrhage And Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> Presenting Author: Elisabete Monteiro - Portugal - ULSSJoão 	Rio de Janeiro
13:45 – 14:00	<p>Intracranial Pressure Waveform Response To Hypertonic Saline Bolus In Traumatic Brain Injury PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Donatien Legé - - Sophysa, Orsay, France 	
14:00 – 14:15	<p>Hyperaemic Waves Of Intracranial Pressure In Traumatic Brain Injured Patients: Markers Of Physiology Or Triggers Of Overtreatment?Click to read</p> <ul style="list-style-type: none"> Presenting Author: Guido Di Tommaso - - ASST Grande Ospedale Metropolitano Niguarda, Milano, IT 	

Hora	Session	Room
14:15 – 14:30	<p>Brain Tissue Hypoxia To Determine Clinical Efficacy Of Decompressive Craniectomy Due To Refractory Intracranial HypertensionClick to read</p> <ul style="list-style-type: none"> Presenting Author: Santiago Lubillo - España - Intensive care Unit / Hospital Universitario NS Candelaria, Universidad Europea de Canarias,Tenerife, Canary Islands 	
14:30 – 14:45	<p>Blood Biomarkers For Brain Injury Are Elevated Preoperatively, Improve After Surgery, And Predict Long-term Outcome In Chronic Subdural HematomasClick to read</p> <ul style="list-style-type: none"> Presenting Author: Teodor Svedung Wettervik - Sweden - Uppsala University 	
14:45 - 15:15	Coffee Break	Foyer
15:15 – 15:30	<p>SESSION 11: Spinal Cord Injury,TBI, lumbar drainage, compliance, sympathetc excitability</p> <p>Chairperson: Alberto Biestro ; Leandro Moraes</p> <p>Monitoring From Injured Spinal Cords In 107 Patients Across Four International Intensive Care UnitsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Love Chibuzor Ilochonwu - - Academic Neurosurgery Unit, City St. George's,University of London, London, UK. 	Rio de Janeiro
15:30 – 15:45	<p>Reevaluating MAP Targets In Traumatic Spinal Cord Injury: Insights From Intra Spinal Pressure MonitoringClick to read</p> <ul style="list-style-type: none"> Presenting Author: LOVE CHIBUZOR ILOCHONWU - - Academic Neurosurgery Unit, City St. George's,University of London, London, UK 	
15:45 – 16:00	<p>Quantifying Intraspinal Pressure Burden In Spinal Cord Injury: A Time-Burden AnalysisClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fadime Tokmak - - Laboratory of Intensive Care Medicine, KU Leuven, Leuven, Belgium 	
16:00 – 16:15	<p>Controlled External Lumbar Drainage For The Treatment Of Refractory Intracranial Hypertension In Severe Traumatic Brain Injury (sTBI).Click to read</p> <ul style="list-style-type: none"> Presenting Author: Alexis Geraldine Condolo Lara - - Hospital de Clinicas 	
16:15 - 17:15	<p>POSTER PRESENTATIONS</p> <p>EPIDEMIOLOGY, MANAGEMENT AND OUTCOME OF SEVERE TRAUMATIC BRAIN INJURY IN A PUBLIC UNIVERSITY HOSPITAL IN URUGUAYClick to read</p> <ul style="list-style-type: none"> Presenting Author: F. Salle - - HC <p>Coupling And Correction Of Neurocritical Signals For Modeling And Prediction Of Intracranial Pressure In Patients Undergoing Multimodal MonitoringClick to read</p> <ul style="list-style-type: none"> Presenting Author: Franco Nicolás La Paz Mastandrea - - Grupo de Neuromonitoreo - Hospital de Clínicas/ Dpto de Ingeniería Biológica 	Foyer

	<p>Intracranial Pressure As A Sympathetic Modulator: Revisiting Autonomic Control And The Brain--Heart AxisClick to read</p> <ul style="list-style-type: none">• Presenting Author: Eric Schmidt - France - University Hospital Toulouse, France <p>Beyond Monitoring At Rest: Real-Life Insights Into ICP DynamicsClick to read</p> <ul style="list-style-type: none">• Presenting Author: Andreas Bunge - - Christoph Miethke GmbH & Co. KG, Potsdam, Germany <p>Beyond The Cardiac Pulse Waves: Gait-Related Oscillations In Intracranial Pressure ProfilesClick to read</p> <ul style="list-style-type: none">• Presenting Author: Andreas Bunge - - Christoph Miethke GmbH & Co. KG, Potsdam, Germany <p>The Use Of A Non-invasive Neuromonitoring Device In The Emergency Department: Comparison With Computed Tomography FindingsClick to read</p> <ul style="list-style-type: none">• Presenting Author: Ana Carolina Giorgi Martin - - Hospital Leforte Morumbi, São Paulo, Brazil <p>Decompressive Craniectomy In Acute Cerebral Hypertension Caused By Non-Traumatic Intracranial Hemorrhage: A Only One Center ExperienceClick to read</p> <ul style="list-style-type: none">• Presenting Author: MARIA CHUMBE - Perú - National Institute of Neurological Sciences <p>The Application Of Core And Brain Temperature In Traumatic Brain Injury. Are They Equivalent?Click to read</p> <ul style="list-style-type: none">• Presenting Author: Masumi Tanaka Gutiez - - Cambridge University <p>Enhancing Individualised Traumatic Brain Injury Patient Care With Generalised Models For Arterial Blood Pressure Signal Artefact CleaningClick to read</p> <ul style="list-style-type: none">• Presenting Author: Xuhang Chen - - University of Cambridge <p>Intracranial Hypertension Predictions At The Bedside: International Expert Survey On The Potential Clinical Impact Of AI-driven AlertsClick to read</p> <ul style="list-style-type: none">• Presenting Author: Brenda Pörteners - Belgium - KU Leuven <p>Cerebral Blood Flow And Pulsatility Changes Detected By Transcranial Doppler After Endovascular Management Of Unruptured Aneurysms: A Scoping ReviewClick to read</p> <ul style="list-style-type: none">• Presenting Author: Vanesa Robles - - Universidad El Bosque <p>Effects Of Tromethamine On Dynamic And Continuous Cerebral Autoregulation (Mx) In Severe Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none">• Presenting Author: Leandro Moraes - Uruguay - Hospital de Clínicas <p>Intracranial Pressure Monitoring In Symptomatic Cerebral Arachnoid Cyst.Click to read</p> <ul style="list-style-type: none">• Presenting Author: HUGO DANIEL CABALLERO ARZAPALO - España - CASTELLON GENERAL UNIVERSITY HOSPITAL <p>Prolonged Storage Increases Osmotic Fragility In Leukodepleted Red Blood Cells: Transfusion Implications For Neurocritical Care PatientsClick to read</p>	
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Hora	Session	Room
	<ul style="list-style-type: none"> Presenting Author: Marta Peris - - Neurotraumatology and Neurosurgery Research Unit, Vall d'Hebron Institut de Recerca (VHIR), Barcelona <p>Novel Visualization Technique For Continuous Assessment Of Intracranial Pressure Pulse Waveform MorphologyClick to read</p> <ul style="list-style-type: none"> Presenting Author: Agnieszka Kazimierska - Poland - Wroclaw University of Science and Technology <p>Is The Ratio Between Supra- And Infratentorial Ventricle Size Related To ICP Waveform Parameters In Idiopathic Normal Pressure Hydrocephalus?Click to read</p> <ul style="list-style-type: none"> Presenting Author: Ronald Murambi - Australia - Wollongong Hospital <p>Cerebral Autoregulation And Vasospasm In Patients With Aneurysmal Subarachnoid HemorrhageClick to read</p> <ul style="list-style-type: none"> Presenting Author: Rossana Lopez - - Clinica Privada Pueyrredón - Instituto Nacional de Rehabilitación Psicofísica del Sur, Mar del Plata, Buenos Aires, Argentina <p>Relationship Between Body Mass Index And Intracranial Pressure Waveform Components In A Cohort Of Patients With Suspected Idiopathic Normal Pressure HydrocephalusClick to read</p> <ul style="list-style-type: none"> Presenting Author: Ronald Murambi - Australia - Wollongong Hospital <p>Unveiling The CO2 Dynamics And Higher-Order Interactions In Plateau Waves Of Intracranial PressureClick to read</p> <ul style="list-style-type: none"> Presenting Author: Helder Pinto - - Faculdade de Ciências & Centro de Matemática da Universidade do Porto (CMUP), Universidade do Porto, Porto, Portugal <p>Losartan Enhances Intracranial Compliance In Response To ACSF Infusion In 2K1C Hypertensive RatsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Eduardo Colombari - Brasil - São Paulo State University - UNESP <p>The interrelationship between cerebral autoregulation, serum biomarkers and outcomes in subarachnoid hemorrhage</p> <ul style="list-style-type: none"> Carla Rynkowski <p>"The challenge of intracranial compliance evaluation in decompressive craniectomy "</p> <ul style="list-style-type: none"> Carla Rynkowski 	
17:15 - 17:45	<p>Lecture</p> <p>Chairperson: Thomas Heldt</p> <p>Frontiers of continous cerebral autoregulation monitoring</p> <ul style="list-style-type: none"> Peter Smielewski 	Rio de Janeiro

JUEVES 30 DE OCTUBRE - CONGRESO

Hora	Session	Room
07:45 - 08:00	Registration	Foyer
08:00 – 08:15	<p>SESSION 12: O2, CO2, SAH, spontaneous ICH, TBI, CPP Chairperson: Ignacio Previgliano ; Eduardo Colombari</p> <p>The Effect Of A Cerebral Perfusion Pressure Challenge To Increase Brain Tissue Oxygenation Tension On Intracranial PressureClick to read</p> <ul style="list-style-type: none"> Presenting Author: Jonathan Rhodes - - NHS Lothian/University of Edinburgh 	Rio de Janeiro
08:15 – 08:30	<p>Factors Associated With An Increasing Of Brain Tissue Oxygen Tension Over The Initial 24 Hours Of Monitoring Following Traumatic Brain InjuryClick to read</p> <ul style="list-style-type: none"> Presenting Author: Jonathan Rhodes - United Kingdom - NHS Lothian/University of Edinburgh 	
08:30 – 08:45	<p>Brain Tissue Oxygenation And Advanced NeuromonitoringClick to read</p> <ul style="list-style-type: none"> Presenting Author: Mark Krasberg - United States of America - Cleveland Clinic 	
08:45 – 09:00	<p>Agreement Between Different Methods Of Optimal Cerebral Perfusion Pressure EvaluationClick to read</p> <ul style="list-style-type: none"> Presenting Author: Elisabete Monteiro - Portugal - Intensive Care Medicine Department ULSSJoão, Porto; Faculdade de Medicina da Universidade do Porto (FMUP), Portugal 	
09:00 – 09:15	<p>Effectiveness Of Pharmacological Neurostimulants For Consciousness Recovery And Functional Outcomes In Moderate-to-Severe Traumatic Brain Injury: A Systematic ReviewClick to read</p> <ul style="list-style-type: none"> Presenting Author: oscar molina-Romero - - Neurosurgery program. Universidad El Bosque 	
09:30 - 10:00	Coffee Break	Foyer
10:00 – 10:15	<p>SESSION 13: Bioimpedance, heatmaps, pediatric neuromonitoring Chairperson: Fernanda Blasina</p> <p>In Vivo Measurement And Analysis Of Intraventricular BioimpedanceClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fabian Flürenbrock - Switzerland - ETH Zurich 	Rio de Janeiro
10:15 – 10:30	<p>Upper Limits Of Cerebrovascular Autoregulation In Pediatric Traumatic Brain Injury: A STARSHIP AnalysisClick to read</p> <ul style="list-style-type: none"> Presenting Author: Stefan Bögli - - University of Cambridge 	

Hora	Session	Room
10:30 – 10:45	<p>Optimum Thresholds Of ICP In Paediatric TBI: A STARSHIP AnalysisClick to read</p> <ul style="list-style-type: none"> Presenting Author: Shruti Agrawal - - Cambridge University Hospitals 	
10:45 – 11:00	<p>Brain Tissue Oxygenation Monitoring In Paediatric Severe Traumatic Brain Injury.Click to read</p> <ul style="list-style-type: none"> Presenting Author: Devon van Eck - South Africa - University of Cape Town 	
11:00 - 11:15	<p>Cerebral Autoregulation During Antegrade Cerebral Perfusion In Neonatal Aortic Arch ReconstructionClick to read</p> <ul style="list-style-type: none"> Presenting Author: Zhe Amy Fang - United States of America - Ann & Robert H. Lurie Children's Hospital of Chicago/Northwestern University 	
11:15 – 11:30	<p>MONITORING CEREBRAL AUTOREGULATION AFTER NEONATAL AND PAEDIATRIC CARDIAC SURGERY: A SINGLE CENTER RETROSPECTIVE ANALYSISClick to read</p> <ul style="list-style-type: none"> Presenting Author: Marta Fedriga - - Neonatal and Paediatric ICU , IRCCS Istituto Giannina Gaslini, Genova, Italy 	
11:30 - 13:00	<p>POSTER PRESENTATIONS</p> <p>Anodal TDCS Enhances Cerebral Perfusion And Intracranial Compliance Without Elevating ICP In Healthy MiceClick to read</p> <ul style="list-style-type: none"> Presenting Author: Olga Bragina - - Lovelace Biomedical Research Institute <p>Increased Sympathetic Excitability To Intracranial Volume Expansion In 2K1C Hypertensive RatsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Eduardo Colombari - Brasil - São Paulo State University - UNESP <p>Role Of Perfusion Parameters In Recovery After Spinal Cord InjuryClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fadime Tokmak - Belgium - Laboratory of Intensive Care Medicine, KU Leuven, Leuven, Belgium <p>2HELPS2B Score As A Predictor Of Impaired Recovery Of Consciousness And Mortality In Critically Ill PatientsClick to read</p> <ul style="list-style-type: none"> Presenting Author: Fernando José Roosemberg Ordóñez - Ecuador - Instituto Oncológico Nacional SOLCA-Guayaquil <p>The Relationship Between Intracranial B-waves And The Cerebral Autoregulation State In Patients With Internal Carotid Artery Occlusion</p> <ul style="list-style-type: none"> Presenting Author: Vladimir Semenyutin - - Almazov National Medical Research Centre, Saint Petersburg, Russia <p>Case Report: Malignant Cerebral Venous Sinus Thrombosis and Reverse Cushing's Phenomenon.</p> <ul style="list-style-type: none"> Sofía Kohn 	Foyer

Hora	Session	Room
	<p>Refractory Intracranial Hypertension with Clinical-Radiological Incongruity: A Case Report</p> <ul style="list-style-type: none"> • Antonella Gomez Domiana Da Rosa <p>Continuous Intra-arterial infusion of Nimodipine for severe vasospasm treatment in a patient with Subarachnoid Haemorrhage - a case report</p> <ul style="list-style-type: none"> • Elisabete Monteiro 	
13:00 - 14:00	Lunch Break	Foyer
14:00 - 16:00	<p>Session 14 - ICM + users</p> <p>Opening remarks</p> <ul style="list-style-type: none"> • Peter Smielewski <p>Why universal intraoperative blood pressure limits don't work</p> <ul style="list-style-type: none"> • Luzius Steiner <p>The PRECISION study: Personalised cardiac anaesthesia, cerebral autoregulation and neurological outcomes in cardiac surgery</p> <ul style="list-style-type: none"> • Nuno Gomes <p>Intraoperative monitoring in cardiac surgery in Lithuania</p> <ul style="list-style-type: none"> • Vytautas Petkus <p>Acute subarachnoid hemorrhage in Porto</p> <ul style="list-style-type: none"> • Elisabete Monteiro <p>ICP and PRx in experimental SAH</p> <ul style="list-style-type: none"> • Michael Veldeman <p>Comparison of invasive and non-invasive Pulse Shape Index (PSI)</p> <ul style="list-style-type: none"> • Agnieszka Kazimierska <p>Hysteresis of cerebral autoregulation in experimental physiology</p> <ul style="list-style-type: none"> • Elle Scheijen <p>Multimodal neuromonitoring in PICU: single centre experience and future perspective</p> <ul style="list-style-type: none"> • Marta Fedriga <p>Reflections on the preterm neonate monitoring</p> <ul style="list-style-type: none"> • Ken Brady 	Rio de Janeiro

Hora	Session	Room
	ICM+ Down Under – an overview of Australian and New Zealand ICM+ research projects <ul style="list-style-type: none">• Rob McNamara	
16:00 - 17:00	Session 15 - Informal Meeting: Analysis of intracranial pressure: what is the future?	Rio de Janeiro
17:00 - 17:30	Closing Ceremony	Rio de Janeiro