

VIII INTERNATIONAL SYMPOSIUM ON BRAIN DEATH
AND DISORDERS OF CONSCIOUSNESS

INTERNATIONAL ANNUAL MEETING OF THE CUBAN SOCIETY
OF CLINICAL NEUROPHYSIOLOGY



**Hotel Habana Libre
Havana, Cuba
December 4-7, 2018**

WELCOME LETTER

Dear colleagues,

We have the pleasure of inviting you to attend the VIII International Symposium on Brain Death and Disorders of Consciousness. This 4-day international conference will cover a breadth of topics focused on current controversies and latest research findings in brain death and disorders of consciousness. Researchers, clinicians and basic scientists will gather for the conference in Havana, Cuba, the country's largest city and our capital. Besides its tropical savanna climate, the city is also noted for its history, culture, architecture and monuments. Old Havana exhibits almost all the Western architectural styles seen in the New World, and its historic center was declared a UNESCO World Heritage Site in 1982. We look forward to informative lectures, debate on ongoing controversies and collegial networking.

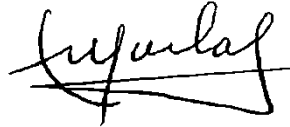
Brain death (BD) determination has many facets and although there remains a worldwide debate on clinical, medicolegal and ethical aspects, the acceptance that a human being with irreversible loss of brain functions is dead has been gain acceptance in the neuroscience community as far back as the late 1950's. Nonetheless, two recent contentious cases of brain death in the United States have challenged our current perceptions of this diagnosis and once again raised new controversies about BD, widely covered by the US and international press. The Jahi McMath case centers on the bioethical debate surrounding her family's rejecting the BD diagnosis, and their efforts to maintain her body on mechanical ventilation. Marlise Nicole Muñoz was declared brain-dead, but doctors kept her

body on a respirator because she was 14 weeks pregnant. Contrary to the McMath case, Muñoz' s husband entered a legal battle to have her removed from life support, assuring that she had previously told him that in case of BD, she would not want to be kept alive artificially. Moreover, Erick Muñoz's attorneys also argued that the fetus had suffered from oxygen deprivation and was suspected to be non-viable.

Cases such as Terri Schiavo have raised controversies about the diagnosis and management of persons with disorders of consciousness (DoC) including coma, vegetative state or unresponsive wakefulness syndrome, minimally conscious state, cognitive motor dissociative state, and functional locked in syndrome among other conditions that have been included under this taxonomy. Many DoC controversies remain including classification, diagnosis including assessment of overt versus covert cognitive awareness, and treatment as well as medicolegal and ethical challenges.

Welcome – *Bienvenidos* – to one of the world's premier scientific conferences in one of the most engaging cities!

Sincerely,

A handwritten signature in black ink, appearing to read 'Calixto Machado', with a horizontal line drawn through the middle of the signature.

Calixto Machado, MD, PhD
President of the Symposium

Organized by:

Institute of Neurology and Neurosurgery, Havana, Cuba
Cuban Society of Clinical Neurophysiology
Cuban Society of Neurosciences
Ministry of Health

Sponsors:

Cuban National Council of Medical Societies
The Johns Hopkins Hospital
International Brain Research Foundation

Co-Sponsors:

Contemplative Network
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Robert Hesse (USA)

Thaddeus Pope (USA)

PROGRAM AT FIRST GLANCE

DECEMBER 4 (TUESDAY)	DECEMBER 5 (WEDNESDAY)	DECEMBER 6 (THURSDAY)	DECEMBER 7 (FRIDAY)
<p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Solidaridad "</p> <p>9:30 OPENING CEREMONY 10:00 PLENARY SESSION Opening Lectures 13:00 Coffee Break 14:00 Disorders of consciousness 18:00 WELCOME PARTY</p> <p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Embajadores 2"</p> <p>14:00 NEUROSCIENCE AND NEUROPHYSIOLOGICAL TOPICS</p> <p>15:20 Break 18:00 WELCOME PARTY</p>	<p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Solidaridad "</p> <p>9:00 PLENARY SESSION 13:00 Lunch 14:00 BRAIN DEATH AND DISORDERS OF CONSCIOUSNESS 5:20 Break</p> <p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Embajadores 2"</p> <p>14:00 GENERAL TOPICS OF NEUROSCIENCES 15:20 Break 15:40 ORAL PRESENTATIONS</p>	<p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Solidaridad "</p> <p>9:00 PLENARY SESSION Round Table (Jahi McMath and other controversial braindead cases) 11:30 Break 11:40 PLENARY SESSION 13:00 Lunch 14:00 BRAIN DEATH, EUTHANASIA, AND DISORDERS OF CONSCIOUSNESS 15:20 Break</p> <p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Embajadores 2"</p> <p>9:00 Electrodermal Screening Workshop 13:00 Lunch 14:00 Bioethics and Medicine 15:40 Break 16:00 ORAL PRESENTATIONS</p>	<p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Solidaridad "</p> <p>9:00 PLENARY SESSION 13:00 Coffee Break 14:00 ORAL PRESENTATIONS 15:40 Break 15:50 ORAL PRESENTATIONS 17:00 Closing Ceremony 18: FAREWELL PARTY</p> <p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Embajadores 2"</p> <p>14:00 ALTERED STATES OF CONSCIOUSNESS 7:00 Closing Ceremony 18: FAREWELL PARTY</p> <p style="text-align: center; background-color: #ADD8E6; padding: 2px;">Room "Embajadores 3"</p> <p>14:00 ORAL PRESENTATIONS 17:00 Closing Ceremony 18: FAREWELL PARTY</p>

PROGRAM

DECEMBER 3 (MONDAY)

	ORGANIZING COMMITTEE OFFICE
9:00 – 17:00	REGISTRATION & ACCREDITATION

DECEMBER 4 (TUESDAY)

	ORGANIZING COMMITTEE OFFICE
8:00 – 9:30	REGISTRATION & ACCREDITATION

ROOM “Solidaridad”	
9:30 -10:00	OPENING CEREMONY
PLENARY SESSION - Opening lectures	
CHAIRPERSONS:	Ted Rothstein (USA) Enrique M. Esteban (Cuba)
10:00 - 10:40	Coma: prognosis of outcome using neurotoxicity biomarkers. Dambinova SA, Alexandrova EV, Galina Izykenova, Potapov AA (USA, Russia)
10:40 - 11:20	Why and when should brain death be declared? Michael N. Diringier (USA)
11:20 -12:00	Brain Death Uncertainty: Growing Challenges to Its Legal Status. Thaddeus Mason Pope (USA)
12:00 - 12:40	Vegetative state (unresponsive wakefulness syndrome), minimally conscious state, brain death, or a new state of disorder of consciousness? Machado, Calixto (Cuba)
12:40 - 13:00	Discussion
13:00 – 14:00	COFFEE BREAK
DISORDERS OF CONSCIOUSNESS	
CHAIRPERSONS:	Gerry Leisman, (Israel, Cuba) David Crippen (USA)
14:00 - 14:20	Gamma frequency decrease in posterior segment of the default mode resting state network (DMRSN) during general anaesthesia (GA). Beata Drobná Sániová, Michal Drobný, Jombík Peter, Fischer Martin, Kardejaková Petra, Bakošová Erika, (Slovakia)
14:20 – 14:40	Brain Death Support by pEEG. Drobný, M. Sabolová, G. Tulejová L. Učňová S, Drobná Sániová B., (Slovakia)
14:40 – 15:00	Efficacy of the International Brain Research Foundation (IBRF) Disorders of Consciousness (DOC) Advanced Care/Multimodal Care Protocol (ACP/MCP) in Patients with Severe Disorders of Consciousness (SDOC). Phillip A. DeFina, (USA), Charles Presigiaco, (USA), Calixto Machado, (Cuba)
15:00 -15:20	Brain and autonomic reactivity to cross-modal stimulation in DOC patients. Some experimental evidences. Balconi, M, Venturella, I (Italy)
15:20-15:40	BREAK

15:40 – 16:00	COMA: autonomic biomarkers in the prediction of mortality. Estévez-Báez M., Machado C., García, B., Rodríguez V., Alvarez-Santana R., Montes J., Estévez-Carrera J.M., Arrufat-Pié, E. (Cuba); Schiavi A. (USA), Leisman G. (Israel),
15:40 - 16:00	How to manage spasticity in disorders of consciousness? Martens G., Thibaut A., Laureys S. (Belgium)
16:00 - 16:20	TDCS targeting the motor cortex in patients with Disorders of Consciousness. Martens G., Martial Ch., Thibaut A., Laureys S. (Belgium)
16:40 – 17:00	Lessons learned from the CHARLIE GARD case. Paris, JJ. (USA)
17:00 – 17:20	Discussion
18:00	WELCOME PARTY

ROOM “Embajadores 2”	
NEUROSCIENCE AND NEUROPHYSIOLOGICAL TOPICS	
CHAIRPERSONS:	Nibaldo Hernández (Cuba) Lourdes Valdés (Cuba)
14:00 – 14:20	Methodology of anesthetic depth measurement from the quantitative electroencephalography. Montoya Arquímedes, Marañón Enrique J., González Tahimy, Rodríguez Yissel, Salgado Antonio, Álvarez Carlos M., (Cuba)
14:20 – 14:40	Standardization of a neuropsychological battery for the exploration of executive functions in adults over 60 years or older. Peñalver, Al. Libre, JJ. Rodríguez AM. Bringas, G. (Cuba)
14:40 – 15:00	Neuropsychological and structural brain study of two cases diagnosed with dementia: posterior cortical atrophy. Cosette Hernández, Ana Peñalver, Geosmany Bringas (Cuba)
15:00 - 15:20	P300 during a visual sustained attention task in patients with Parkinson's disease. Báez M., Morales L., Pedroso I., Alarcón C., Grass D., Hernández L., Sánchez A., Alfonso, M. (Cuba)
15:20-15:40	BREAK
15:40 – 16:00	Development of magnetic stimulation bio-reactor for nerve network regeneration. E. Nakamachi†, R. Sakiyama†, Y. Morita†, K. Yamamoto†, T. Katayama†, H. Sakamoto†, K. Tanaka†, Y. Nakamura. (Japan)
16:00 – 16:20	Continuous electroencephalogram (CEEG) monitoring in Intensive Care Unit. A Cuban experience. Rojas, Z. L., Valero, A.S., Rodríguez, I. E., Arrechea, R. L. (Cuba)
16:20 – 16:40	Challenges of QEEG analysis in patients with Disorders of Consciousness. Eduardo Arrufat, Mario Estévez, Calixto Machado, Carlos Beltrán. (Cuba)
16:40 – 17:40	Pharmacotherapy in disorders of consciousness: controversies, caveats and conundrums. Daysi García, (Cuba)
17:00 – 17:20	Discussion
18:00	WELCOME PARTY

5 DECEMBER (WEDNESDAY)

ROOM "Solidaridad"	
PLENARY SESSION	
CHAIRPERSONS:	Michal Drobný, (Slovakia) Beata Drobná Sániová, (Slovakia)
9:00 – 9:40	"I" AND "THOU": the development of individuation in the context of consciousness. Gerry Leisman, (Israel, Cuba)
9:40 – 10:20	World-Wide Consensus Statement on Brain Death Determination. Gene Sung, (USA)
10:20 – 11:00	Pharmacotherapy in Disorders of Consciousness: controversies, caveats and conundrums. Nathan D. Zasler, (USA)
11:00 – 11:40	Determination of death by neurologic criteria for adults - USA (State of New Jersey). Kiwon Lee (USA)
11:40 – 12:20	Current Status of AAN Guidelines for the determination of Brain Death on adults: where the Guidelines Fall Short. Owen Samuels, (USA)
12:20 – 13:00	Reversible Brain Death after Cardiopulmonary Arrest and induced Hypothermia. Owen Samuels, Cederic Pimentel, (USA)
13:00 – 14:00	LUNCH
BRAIN DEATH AND DISORDERS OF CONSCIOUSNESS	
CHAIRPERSONS:	Nathaniel Robbins, (USA) Michael O'Leary, (Australia)
14:00 – 14:20	Are 'Brain Death' and 'Death' equivalent? Opinions in the general public and in clinicians. Michael O'Leary, (Australia)
14:20 – 14:40	Changing tides in "Death by neurologic criteria" Crippen, D., (USA)
14:40 – 15:00	Determination of Death by neurological criteria support team (ddnccs-t): ensuring system-wide standardization and timeliness of brain death testing. Schiavi, A., (USA)
15:00 - 15:20	The opioid crisis in America: implications for Brain Death testing and organ transplantation Miller, C., (USA)
15:20 – 15:40	BREAK
15:40 – 16:00	Locked-In Syndrome: a case report Arisa Torrie, (USA)
16:00 – 16:20	ACTIGRAPHY IN DOC PATIENTS – A VALID MEASUREMENT? Schabus, M., (Austria), Blume, C., (Austria), Raml, M., (Austria), Pichler, G., (Austria), Kunz, A., Scarpatetti, M., (Austria), Trink, E., (Austria), Beltran Leon, C., (Cuba), Chinchilla, M. (Cuba), Machado C. (Cuba), Angerer, M. (Austria)
15:20 -16:40	HEART RATE VARIABILITY AND ITS CIRCADIAN VARIATION IN PATIENTS WITH DISORDERS OF CONSCIOUSNESS: A DIAGNOSTIC TOOL? Schabus, M., Blume, C., Raml, M., Wislowska, M., Kunz, A., Trink, E., Pichler, G., & Angerer, M. (Austria)
16:40 – 17:00	Brain Death associate to 1-Serotype of Dengue Virus. Presentation of two pediatric cases epidemiological related González, C; Fonseca, M; Dorta, A.J. (Cuba)

17:00 – 17:20	Brain death: a Latin-American perspective. Alberto Piamo, (Cuba)
17:20 – 17:40	Discussion

ROOM “Embajadores 2”	
GENERAL TOPICS OF NEUROSCIENCES	
CHAIRPERSONS:	Nathan D. Zasler, (USA) Rosen, JN, (USA)
14:00 – 14:20	Multiple Sclerosis Challenge: can advanced MR Imaging Techniques Resolve The “Clinico-Radiological Paradox”? Ted Rothstein (USA)
14:20 – 14:40	In the Kingdom of Triphasic Waves, white matter is the Eminence Grise. Kotchetkov, IS, Kaplan, PW (USA)
14:40 – 15:00	Sleep Disorders Prevalence in a population sample of Havana, Cuba. Cuspineda, ER. Cadelo, D., Castro, F., Barquín, S., Pérez, R/. Pérez, L., Roca, M.C., Machado, C. (Cuba)
15:40 – 15:20	Use of an instrument to subjectively assess children’s sleep. Comparison between primary autism and epilepsy, results. Alfonso, Maydelin, Morales, Lilia (Cuba)
15:20 -15:40	BREAK
ORAL PRESENTATIONS	
15:40 - 15:50	Evaluation of disability and quality of life in people with Multiple Sclerosis treated with interferon beta 1 a. Evolutionary follow-up. Grass, Daymet, Díaz de la Fe, Amado (Cuba)
15:50 - 16:00	Neurosciences and Psychiatry in Cuba. Caballero, Antonio (Cuba)
16:00 – 16:10	Physical performance in the elderly and their relationship with the disengage and the cerebral function. García, Daysi; Bobes, Maria Antonieta; Galán, Lídice (Cuba)
16:10 -16:20	The philosophy of glucose-insulin in the brain and nervous system. Bell, Luis (Cuba)
16:20 – 16:30	Interhemispheric Coherence in Alzheimer’s Disease. Jacas, A.; Odoardo, M.R.; Verdecia, M; Frías, D.F.; Rivero, F.R.; Milanés, J.M.; Reyes, J.F.; Rivero, D.R. (Cuba)
16:30 – 16:40	Quantitative Electroencephalogram. Characterization of Absolute Power in Alzheimer’s Disease. Odoardo, MR; Verdecia, M; Jacas, A; Rivero, FR; Frías, DF; Milanés, JM; Reyes, JF; Rivero, DR., (Cuba)
16:40 -16:50	Methodology of anesthetic depth measurement from the quantitative electroencephalography. Montoya, Arquímedes; Marañón, Enrique J.; González, Tahimy; Rodríguez, Yissel; Salgado, Antonio; Álvarez, Carlos M. (Cuba).
16:50 – 17:00	Event related potential in early detection and classification of alzheimer type neurocognitive disorder. Ocaña, Carmen M.; Montoya, Arquímedes; Bolaños, Guillermo; Colina, E. (Cuba)
17:00 - 17:10	The Role of the internist in the study of no motor complications in Parkinson” disease. Arnoldo Padrón, Yordanka Ricardo de la Fé, Ivon Pedroso, Saskia Llinás, Deymi Reconde, Teresa Morgado, Daymet Grass (Cuba)

17:00 – 17:20

Discussion

6 DECEMBER 2018 (THURSDAY)

ROOM “Solidaridad”	
PLENARY SESSION	
CHAIRPERSONS:	Thaddeus Pope, (USA) Michael N. Diring, (USA)
9:00 – 11:30	ROUND TABLE on JAH1 MCMATH and other controversial Brain-Dead cases. Moderator: Thaddeus Mason Pope Michael N. Diring (USA), Gene Sung (USA), Nathalie Robbins (USA), David Crippen (USA), Kiwon Lee (USA), Adam Schiavi, (USA), Calixto Machado (Cuba)
11:30 – 11:40	BREAK
11:40 – 12:20	What role should Somatosensory Evoked Potentials now play in comatose patients following cardiac arrest? Ted Rothstein, USA
12:20 – 13:00	The burden of depression Mark Rasenick, USA
13:00 – 14:00	LUNCH
BRAIN DEATH, EUTHANASIA, AND DISORDERS OF CONSCIOUSNESS	
CHAIRPERSONS:	Gene Sung (USA) Rolando Roges Cuba)
14:00 – 14:20	Determination of Death by Neurologic Criteria for Adults - USA (State of New Jersey). Kiwon Lee (USA)
14:20 – 14:40	Ethical controversies in the diagnosis of Brain Death: ancillary testing. Nathaniel Robbins, (USA)
14:40 – 15:00	Neuromarker guided neuromodulation in coma and severe Disorders of Consciousness. Phillip A. DeFina (USA)
15:00 -15:20	Can spreading cortical depolarization contribute to minimally conscious state in high-grade subarachnoid hemorrhage or stroke? An analysis. Charles Prestigiacomo, (USA)
15:20 – 15:40	BREAK
15:40 – 16:00	Determining Brain Death: The Updated Version of the Brain Death Protocol of The Netherlands. Michael Kuiper, (The Netherlands)
16:00 – 16:20	Euthanasia in The Netherlands Michael Kuiper, (The Netherlands)
16:20 – 16:40	Euthanasia: its legal regulation Alboniga, A.O., Cabrera, V.N.; Rivera, D.A. (Cuba)
16:40 – 17:00	Physiologic Signatures of Brain Death using Invasive Intracranial Monitoring Rajagopalan, S., Baghshomali, S., Cruz-Navarro, J., Kofke, A.W., Balu, R. (USA)
17:00 – 17:20	Short-term evolution of patients with severe cranioencephalic trauma according to the therapeutic modality. Amaury Del Puerto, Miguel A. Medina, Enrique Rodríguez, (Cuba)
17:10 – 17:20	Discussion

ROOM "Embajadores 2"

Electrodermal Screening Workshop

CHAIRPERSONS:	Charles Mc Williams (USA) (Nevis Island (USA))
9:00 – 9:40	The Neurotransmitter Points for Epilepsy (Gaba), Parkinson (Dopamine), and Clinical Depression (Serotonin, Norepinephrine). Charles McWilliams, (Nevis Island, USA)
9:40 – 10:00	Thirty-seven years of practice in Electrodermal Screening (EAV). Charles McWilliams, (Nevis Island, USA)
10:00 – 10:40	Russian kirlian photography which verified the electromagnetic colors of the brain area, physical color therapy using the sun's light through a pure color filter. Stewart Swerdlow, (USA)
10:40 – 12:30	WORKSHOP on Electrodermal Screening (EAV). Charles McWilliams, (Nevis Island, USA)
12:30 –13:00	Discussion
13:00 – 14:00	LUNCH

Bioethics and Medicine

CHAIRPERSONS:	Glenn Ellis, (USA) Tatiana Zaldivar, (Cuba)
14:00 – 14:20	Bioethical considerations on end-of-life in the USA through a religion-cultural lens. Glenn Ellis, (USA)
14:20 – 14:40	The role of health system in the development process. Laura Galeano, (Cuba)
14:40 – 15:00	About care systems abroad and Cuba. Trade off: taking care and work. Adriana Lazcano, (Cuba)
15:00 – 15:20	About caregivers in some neurogenetic diseases. Tatiana Zaldívar, (Cuba)
15:20 – 15:40	Anthropology of Brain Death Rolando Rogés, (Cuba)
15:40 – 16:00	BREAK

ORAL PRESENTATIONS

CHAIRPERSONS:	Rolando Roges, (Cuba) Yolanda Aguilera Martínez, (Cuba)
16:00 – 16:10	Characterization of Aphasic Phenotypes in Patients with Disorders of Consciousness. Nigri A, Bruzzone MG, Catricalà E, Kotz S, Laura Verga, Cristina Rosazza, Davide Sattin, Davide Rossi Sebastiano, Giorgio Marotta, Riccardo Benti, Leonardi Matilde, Ludovico D'Incerti, Stefano Cappa, Stefania Ferraro (Italy)
16:10 – 16:20	Default-mode network activity in Disorders of Consciousness: relationship with clinical features and comparison to anatomical and metabolic integrity. Cristina Rosazza, Adrian Andronache, Davide Sattin, Maria Grazia Bruzzone, Giorgio Marotta, Anna Nigri, Stefania Ferraro, Davide Rossi Sebastiano, Luca Porcu, Anna Bersano, Riccardo Benti, Matilde Leonardi, Ludovico D'Incerti, Ludovico Minati, (Italy)
16:20 – 16:30	A methodology based on connectivity and biophysic models to evaluate structure-function relationship in neurological diseases. Batista, K., Morales, L., Machado, C., González, E. (Cuba)
16:30 – 16:40	Ethical considerations on Cardiopulmocerebral resuscitation. Rivero Morey R.J. (Cuba)

16:40 – 16: 50	Contagious laugh effects on health and learning. Yordanka Cuza (Cuba)
16:50 – 17:00	Communication of bad news: an important skill in neurological practice. Ivonne Martín (Cuba)
17:00 – 17:10	Assessment the arteries of the Circle of Willis by segments ¿Where is the internal carotid? Bahr, S. Marrero, L.; De Armas, Y.; Pérez, E. (Cuba)
17:10 – 17:20	Discussion

DECEMBER 7 (FRIDAY)

ROOM “Solidaridad”	
PLENAARY SESSION	
CHAIRPERSONS:	Michael Kuiper (The Netherlands) Charles Prestigiacomo (USA)
9:00 – 9:40	Altered States of Consciousness. Robert Hesse, Harold Koenig, (USA)
9:40 – 10:20	Aristotle and the neurological determination of death. Rosen, JN, (USA)
10:20 – 11:00	Present and future of Cuban Neuroscience. Nibaldo Hernández, (Cuba)
11:00 – 11:40	The coming revolution in Myasthenia Gravis therapeutics. Henry J. Kaminski (USA)
11:00 – 11:40	Blood borne brain specific biomarkers could be useful for the prediction of asymptomatic cerebral small vessel disease in hypertensive patients. Alina González-Quevedo, Sergio González, Zenaída M. Hernández, Marisol Peña, Marianela Arteché, Caridad Menéndez, Rebeca Fernández, Melany Betancourt, Anay Cordero, Isabel Fernández, (Cuba)
11:40 – 13:00	SYMPOSIUM: A Cuban Comprehensive Epilepsy Surgery Program. Coordinators: Lilia María Morales, Aisel Santos, Manuel Dearriba, Martha Ríos, Liana Portela, Vicente Rio, (Cuba)
13:00 – 14:00	COFFEE BREAK
ORAL PRESENTATIONS	
CHAIPERSONS	Kiwon Lee (USA), Rosaralis Santiesteban (Cuba)
14:00- 14:10	Timing, synaptic tagging and restorative neurology. William Almaguer, Daymara Merceró, Jorge Bergado (Cuba)
14:10 – 14:20	Neuralplasticity, comorbidity and depression in aging and the Alzheimer´s disease. Prendes, R.N., Robinson A.M.A., Hernández. M.N.B., (Cuba)
14:20 – 14:30	Sudden death due to epilepsy? Evaluation of 10 patients seen in the telemetry service of the International Neurological Restoration Center. Leysi Murada, Lilia Morales, Maydelin Alfonso, Yamilé Horrutinel, Marlene E.Perera, Miriam E. Guevara (Cuba)
14:30 – 14:40	Neuroprotective effect of Neuroepo in preclinical of neurodegenerative disease. Julio C. García, Yamila Rodríguez (Cuba)
14:40 - 14:50	Interhemispheric coherence in Alzheimer´s Disease.

	Jacas, A.; Odoardo, M.R.; Verdecia, M.; Frías, D.F.; Rivero, F.R.; Milanés, J.M.; Reyes, J.F.; Rivero, D.R. (Cuba)
14:50 - 15:00	Physical performance in the elderly and their relationship with the disengage and the cerebral function. Daisy García, Maria Antonieta Bobes, Lídice Galán (Cuba).
15:00 – 15:10	Characterization of patients with spontaneous cerebral hemorrhage in Cienfuegos, January-October 2017. Rivero Morey R.J. (Cuba)
15:10 – 15:20	Uric acid as a prognostic factor of neurological disability and mortality in ischemic stroke. Julio A.Vegas (Cuba)
15:20 -15:30	Transplantation of mononuclear cells from bone marrow in a rat model of Huntington’s disease. Teresa Serrano, Paula Pierozan, Esteban Alberti, Lisette Blanco, Karelys de la Cuétara, María E. González, Nancy Pavón, Lourdes Lorigados, María A. Robinson, Jorge A. Bergado (Cuba)
15:30 – 15:40	DISCUSSION
15:40 – 15:50	BREAK
15:50 – 16:00	Hypokalemic Coma: A case report. Rondón, Annalie; Riverón, W.J.; Góngora, O; Rodríguez, K.; Aguilera, Mervin (Cuba)
16:00 – 16:10	The philosophy of glucose-insulin in the brain and nervous system. Luis Bell (Cuba)
16:10 – 16:20	Searching neurophysiologic markers for amyotrophic lateral sclerosis (als) diagnosis. Bárbara Aymeé Hernández Hernández, (CUBA)
16:20 – 16:30	Physical performance in the elderly and their relationship with the disengage and the cerebral function. Daisy García, Maria Antonieta Bobes, Lídice Galán (Cuba).
16:30 – 16:40	DISCUSSION
16:40 – 17:00	BREAK
17:00 – 17:30	CLOSING CEREMONY
18:00	FAREWELL PARTY

ROOM “Embajadores 2”	
ALTERED STATES OF CONSCIOUSNESS (ASC)	
CHAIRPERSONS:	Robert Hesse, (USA)
14:00 – 14:20	Mind and body as a unique system in the Chinese classic conception. Marcos Diaz-Mastellari. (Cuba)
14:20 – 14:40	Science and Christian Spirituality: A dialogue on Death. Aridio R. Castro. (Dominican Republic)
14:40 – 15:00	Meditation, mental health and neuroscience.

	Prendes, N.R.; Alacán, L.R.; Cuza, Y.F.; Periche, R.P.; Virues, T.; Robinson, M.A.; Mendoza, R.Q.; Hernández, N.M. (Cuba)
15:00 – 15:20	NDE & SCE research. Yanin Machado, Mauricio Chinchilla, Calixto Machado (Cuba)
15:20- 15:40	Discussion
15:40 – 16:40	Meditation theory & practicum. Robert Hesse (USA)
16:40 – 17:00	BREAK
17:00 – 17:30	CLOSING CEREMONY
18:00	FAREWELL PARTY

ROOM “Embajadores 3”	
CHAIPERSONS:	Alina Gonzalez-Quevedo (Cuba) Miguel A. Alvarez (Cuba)
14:00- 14:20	Dysmorphology, current challenges. Estela Morales (Cuba)
14:20 – 14:40	Advances in Neurodegenerative diseases. Gloria E. Lara (Cuba)
14:40 – 15:00	Neurodegenerative diseases in primary care. Asdrúbal Arias (Cuba)
14:00 – 15:20	Botulinum Toxin in Neurodegenerative diseases. Alexis Soto (Cuba)
15:20 – 15:40	BREAK
15:40 – 16:00	Neuropsychological assessment in Neurodegenerative diseases. Background and projects Miguel A. Álvarez (Cuba)
16:00 – 16:20	Palliative care in Neurodegenerative diseases. Maricela Scull (Cuba)
16:20 – 16:40	Common Molecular Mechanisms in C. Mariana Pita (Cuba)
16:40 – 17:00	Huntington´s disease. Experience in the Institute of Neurology. Yamile García (Cuba)
17:00 – 17:30	CLOSING CEREMONY
18:00	FAREWELL PARTY