



Medical Technology Symposium

Session/Tuesday April 26th

Chairman: José L. Fernandez Yero. PhD.

		Speakers	Institution	Country	Modality
10:30	11:30	Marc Nyseen. A national electronic prescription system: design, implementation and roll-out of Recip-e in Belgium.	Vrije Universiteit Brussel	Belgium	Face to face
11:30	12:00	Néstor Mena Díaz. Proposal to knowledge management and digital transformation, in the context of digital health, in the higher cuban medical education	Faculty of Medical Sciences "Manuel Fajardo"	Cuba	Face to face
12:00	12:30	Carlos Hechavarría. The potential of digital solutions for Cuban healthcare exports. The case of the medical mission in Qatar.	World Economy Research Center	Cuba	Face to face
12:30	13:00	Yosvani Pantoja Gómez. Neonatal screening system NEURONIC INFANTIX.	Center of Cuban Neuroscience	Cuba	Face to face
13:00	14:30	Lunch			

Chairman: René Iván González Fernández. PhD.

		Speakers	Institution	Country	Modality
14:30	15:00	Karen Aguilar Mateo. NEUROGER system for the investigation, evaluation and intervention of pathological aging.	Center of Cuban Neuroscience	Cuba	Face to face
15:00	15:30	Carlos A. Armand Márquez. Design and obtaining of Mandibular Advancement Splint.	Center of Cuban Neuroscience	Cuba	Face to face
15:30	16:00	Nardo Ramírez Frómata. Diramic-12 and Blubac-Uro systems for rapid microbiological diagnosis. Future projections	National Centre for Scientific Research	Cuba	Face to face
16:00	16:30	Victoria Maritza Rodríguez Álvarez. Use of Prontosan in the treatment of diabetic foot ulcers and amputation stumps	Institute of Angiology and Vascular Surgery.BBRAUN MEDICAL	Cuba	Face to face
16:30	17:00	Ana Ibis Conesa González. Results of the use of Prontosan in the treatment of lower limb injuries. Period 2018.	Institute of Endocrinology. BBRAUN MEDICAL	Cuba	Face to face
17:00	17:30	Adelaida Ortega Suris. . Evaluation of SARS-CoV2 stability in BIOCEN transport media	Biopreparations National Center	Cuba	Face to face

Poster session

Chairman: Edilberto González Ortiz & Elsa Santos Febles

1.1	Yusleiby Dago Rivera. Eye Devices Design and Manufacturing .	Center of Cuban Neuroscience	Cuba	
1.2	Leobel Fajardo Cedeño. Disinfectants assessment for use in the pharmaceutical environment..	Pharmaceutical Laboratory Medilip	Cuba	
1.3	Dayamí Martín Alfonso. ELISA system development and evaluation for the capture of protein N from SARS CoV-2	Civil Defense Research Center	Cuba	
1.4	Alicia Fleites Vázquez. Quality assurance of COVID-19 molecular diagnosis.	Civil Defense Research Center	Cuba	

Session / Wednesday April 27th

Chairman: Tania Yadira Aznielle Rodríguez

		Speakers	Institution	Country	Modality
9:00	9:30	Sandra Cepero. Non-invasive ventilatory support, VENTIPAP	Center of Cuban Neuroscience	Cuba	Face to face
9:30	10:00	Ernesto Velarde Reyes. PCUVENTE. Cuban emergency ventilation project.	Center of Cuban Neuroscience	Cuba	Face to face
10:00	11:00	Arlem Lesmes Fernández Sigler. Cuban lung ventilator for intensive care and adult patients, COMBIOVENT	COMBIOMED	Cuba	Face to face
11:00	11:30	Coffee break			
11:30	12:00	Oscar Arencibia Díaz. Dental posts manufactured using SLM technology.	Center of Cuban Neuroscience	Cuba	Face to face
12:00	12:30	Elsa Santos Febles. OPTIMA: a web platform for screening, assessing and intervention of school-age children with neurodevelopmental disorders..	Center of Cuban Neuroscience	Cuba	Face to face
12:30	13:00	Ramsés Martínez Muñoz. Oriental Imaging Network: Economic, political and social impact on the National Health System	University of East	Cuba	Face to face
13:00	14:30	Lunch			

Chairman: Lic. Norka López Gómez

		Speakers	Institution	Country	Modality
14:30	15:00	Eduardo Garea Llano. Affectation rate and degree of severity by COVID-19 in X-ray images using Artificial Intelligence	Center of Cuban Neuroscience	Cuba	Face to face
15:00	15:30	Tania Aznielle Rodríguez. Neuronic Vigilvent: electrical impedance tomograph for assessing the lung function.	Center of Cuban Neuroscience	Cuba	Face to face
15:30	16:00	Ernesto B. Rodríguez Denis. Posibilidades de detectar tumoraciones tempranamente mediante medidas de bioimpedancia.	COMBIOMED	Cuba	Face to face
16:00	16:30	Evelio González Dalmau. Application for automated weighted report of Rx and Chest Tomography in the COVID patient	Center of Cuban Neuroscience	Cuba	Face to face
16:30	17:00	Marc-André Fortin. Biomedical imaging strategies for measuring the kinetics of therapeutic nanoparticles in vitro and in vivo	Centre de Recherche du Centre Hospitalier Universitaire de Québec - Université Laval, Québec	Canadá	Virtual
17:00	17:30	Yanelis Cruz Santana. Performance of two lateral flow immunochromatographic assays for the diagnosis of brucellosis in humans	Civil Defense Research Center	Cuba	Face to face

Poster session

Chairman: Edilberto González Ortiz & Elsa Santos Febles

2.1		María Celia Matos Dávila. The Quality Culture in COMBIOMED	COMBIOMED	Cuba	
2.2		Nilda Mieres. Development of an alternative site for the manufacture of the Viral Transport Medium (BTV), a productive strategic collaboration in the face of COVID-19	National Center for Biopreparations	Cuba	
2.3		Oscar Arencibia Díaz. Cuban mold to make swabs	Center of Cuban Neuroscience	Cuba	
2.4		Oscar Arencibia Díaz. Quality control system for the SLM250 HL selective laser fusion 3D printer.	Center of Cuban Neuroscience	Cuba	

Session/ Thursday April 28th

Chairman: Evelio González Dalmau. PhD

		Speakers	Institution	Country	Modality
09:00	10:00	Edilberto González Ortiz. COMBIOMED technology Impact on critical patient care in Cuba during the COVID-19 pandemic.	BioCubaFarma/Minsap	Cuba	Face to face
10:00	11:00	Norka Gómez López. COMBIOMED technology contribution in research, clinical trials and vaccination campaign in Cuba..	BioCubaFarma/Minsap	Cuba	Face to face
11:00	11:30	Coffee Break			
11:30	12:30	Luis Roberto Barriale Ávalos. Biomedical expertise impact in processes of possible medical and administrative negligence.	UCA. El Salvador. CORAL.	El Salvador	Face to face
12:30	13:00	Yamilé Valdés González. Validation of the COMBIOMED Hipermax BF A7101 automatic sphygmomanometer for professional and home use by the AAMI/ESH/ISO (ISO 81060 2:2018) Universal Standard	Surgical Clinical University Hospital "General Calixto García"	Cuba	Face to face
13:00	14:30	Lunch			

Chairman: Gemma Rodríguez Benítez

		Speakers	Institution	Country	Modality
14:30	15:00	Milenen Hernández Marín. Carbon electrodes modified with metal oxide nanoparticles for the adsorption of the enzyme FAD-dependent glucose dehydrogenase	Center of Immunoassay	Cuba	Face to face
15:00	15:30	Marlene Toledano. HEp-2 slides for the detection of anti-nuclear antibodies by indirect immunofluorescence	Center of Molecular Immunology	Cuba	Face to face
15:30	16:00	René I. González Fernández. A Therapeutic Alternative for Refractory Epilepsy. Design, Implementation and First Results in Patient	Center of Cuban Neuroscience	Cuba	Face to face
16:00	16:30	Alexis Labrada Rosado. Development and introduction of viral transport media for the SARS-CoV2 diagnostic system with technological sovereignty	National Center for Biopreparations	Cuba	Face to face
16:30	17:00	Ángel Regueiro Gómez. Experiences in the training of biomedical engineers at the Havana Technical University	Technological University of Havana José Antonio Echeverría, CUJAE	Cuba	Face to face
17:00	17:30	Alberto López-Delis. Development of Technologies for Neuro-Rehabilitation Based on Robotic Systems, Brain-Computer Interface and Human-Machine Interface..	University of East	Cuba	Face to face

Poster session

Chairman: Edilberto González Ortiz & Elsa Santos Febles

3.1	Sandra Despaigne Mengana. Radiological Report Repairer for the Imagis 2.0 System	University of East	Cuba	
3.2	Alberto López. Development of technologies for neurorestoration	University of East	Cuba	
3.3	Yudisleidy López Ricardo. BioMer, application for mobile devices for the diagnosis and execution of population studies of Alzheimer's Disease	National Center for Biopreparations	Cuba	
3.4	Abel Díaz Berenguer. Automated COVID-19 Diagnosis and Prognosis from Computed Tomography Imaging	Vrije Universiteit Brussel	Belgium	

Session/ Friday April 29th

Chairman: Maité Cañizares Falcóna

		Speakers	Institution	Country	Modality
09:00	09:30	Zullyt Bárbara Zamora Rodríguez. Use of OZOMED PLUS in ozone therapy for the management of COVID-19	National Centre for Scientific Research	Cuba	Face to face
9:30	10:00	David Lee García. Development of a Solution for the Study of Cardiovascular Alterations from Green Light Photoplethysmography.	Center of Cuban Neuroscience	Cuba	Face to face
10:00	10:30	Arturo Orellana García. Platform for the structuring, standardization and processing of neuroscience data BrainSSys	University of Informatics Sciences	Cuba	Face to face
10:30	11:00	J. E. Sue .STIMUL W: electrical stimulation as an alternative in the treatment of different types of skin ulcers.	COMBIOMED	Cuba	Face to face
11:00	11:30	Coffee Break			
11:30	12:00	Yamilé Peña Quián. Role of the hybrid technology SPECT/CT and PET/CT, for the validation of genetic engineering and biotechnology products, made in Cuba	Isotope Center	Cuba	Face to face
12:00	12:30	Marilyn Díaz Pérez. Clinical performance of the new BTU Universal Transport Means developed in Cuba for the diagnosis of SARS-COV2	National Center for Biopreparations	Cuba	Face to face
12:30	13:00	Jorge Luis Santana Romero. Clay compounds marked with 99Tc as a medical technology for the diagnosis of gastroparesis by scintigraphic images "	University of Havana	Cuba	Face to face
13:00	14:30	Lunch			

Chairman: Gemma Rodríguez Benítez

14:30	15:30	Marc Nyseen/ Luis R. Barriere/ Jorge Castro. The Cuban Society of Bioengineering and its integration with international networks	IFMBE/ CORAL-IFMBE/ SCB-CORAL-IFMBE	Belgium/ El Salvador /Cuba	Face to face /Virtual
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Poster session

Chairman: Edilberto González Ortiz & Elsa Santos Febles

4.1	Abel I. Balbín Tamayo. Development of new electrochemical products and technologies to attend to medical demands in the National Health System	University of Havana	Cuba	
4.2	Angélica García Arechavaleta. Serological panels for the analytical control of the UMELISA SARS-CoV-2 IgG, UMELISA SARS-CoV-2 IgM and UMELISA ANTI SARS-CoV-2 diagnostics produced in Cuba	State Center for the control of Drugs, Equipment and Medical Devices	Cuba	
4.3	María del Carmen Reyes Vega. Preparation and evaluation of the functionality of a cell panel for the analytical control of hemoclassifying reagents in the National Control Laboratory	State Center for the control of Drugs, Equipment and Medical Devices	Cuba	