

5

ICEHTMC

International Clinical Engineering &
Health Technology Management Congress

INDIA EXPO CITY, AMTZ CAMPUS,
VISAKHAPATNAM, INDIA

NOVEMBER 10-13 | 2023

Scientific Program



CONGRESS PROGRAM DAY 0 & 1 – 9 and 10 November 2023



	November 9, 2023	10 November 2023		
India Standard Time	KCC Entry Lounge & Central Area	KCC Entry Lounge & Central Area	KCC Auditorium	AMTZ Exhibition Centre
9:00 am - 9:30 am	Registration	Registration		
9:30 am - 11:00 am			Global CE Summit	
11:00am - 11:15 am	Break & Posters			Exhibition
11:15 am - 12:00 pm	Registration		Welcome Keynote: Dr. Jitendra Sharma	
12:00 pm - 1:00 pm			Short Course 1 Traditional Maintenance	
1:00 pm - 2:00 pm			Short Course 2 Integrated Device Maintenance	
2:00 pm - 3:00pm	Break & Posters			Lunch & Exhibition
3:00 pm - 4:00 pm	Registration		Short Course 3 Health Technology Assessment and Innovation	
4:00 pm - 5:00 pm			Short Course 4 Health Technology Quality and Risk	
5:00 pm - 6:30 pm	Hors D'oeuvres and snacks		GCEA Annual Meeting	Exhibition
6:30 pm - 7:00 pm	Shuttles return to Lodging			
11am—1pm AND 3pm— 5pm	Guided Tours of AMTZ Campus centers, registration needed			

5th ICEHTMC – CONGRESS DAY 1 – 10 November 2023

Time	Short Course Topics	Title	Presenters	Countries	
12pm-12:30 pm	Course 1	Maintenance	Medical Device Best Practices in LMIC	Ray Dalton, Evenel Osias	USA, Haiti
12:30pm-1pm		Traditional medical devices	CE Capacity building	Kun Zheng, Jing Tong and Bin Li	China
1pm-1:30 pm	Course 2	Maintenance	Integrated Medical Device Best Practices (CE-IT), including Cybersecurity	Ricardo Silva	Venezuela, USA
1:30pm-2 pm		CE-IT devices	CE-IT and CMMS	Luis Fernandez	Mexico
3pm-3:30 pm	Course 3	Health Technology Innovation	HTI Best practices: Integrated Patient Monitoring	Jean Ngoie et al	Scotland
3:30pm-4 pm		Health Technology Assessment	HTA best practices: Harmonizing Nomenclature & HTA	Murilo Conto (IFMBE HTAD Chair)	Brazil
4pm-4:30 pm	Course 4	Health Technology Quality	Quality best practices, CEs & Medical Physicists	M Mahesh, Cari Borrás, Susan Richardson, IOMP	USA, Spain
4:30pm-5 pm		Health Technology Risk	Risk best practices: reduced use errors	Karent Eliana Muñoz et al	Colombia

India Standard Time	KCC Entry Lounge & Central Area	KCC Auditorium	KCC Omega Hall	KCC Celsius Hall	KCC Tesla Hall	AMTZ Exhibition Centre
8:30 am - 9:00 am	Registration					
9:00 am - 10:00 am		Welcome Keynote: GCEA, CED & AMTZ and Opening Keynote WHO: Adriana Velazquez				
10:00 am - 12:00 pm		Track A1	Track A2	Track A3	Track A4	
12:00 pm - 12:15 pm	Break & Posters					Exhibition Hall Open
12:15 pm - 2:15 pm		Track B1	Track B2	Track B3	Track B4	Exhibition Hall Open
2:15 pm - 3:15 pm						Lunch & Posters
3:15 pm - 5:15 pm		Track C1	Track C2	Track C3	Track C4	Exhibition Hall Open
5:15 pm - 6:30 pm	Shuttles to Hotels					
7:30 pm—Midnight	Gala Dinner & Awards					
11am—1pm AND 3pm— 5pm	Guided Tours of AMTZ Campus centers, registration needed					

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	225	Elliot Sloane and Rossana Rivas Tarazona	Applying COVID-19 Telemedicine ‘Lessons Learned’ for LMICs
Pakistan	102	Tazeen Bukhari and Syed Khalid Saeed Bukhari	Enhancing Quality Assured Medical Devices (PPE) in Pakistan: Strengthening Local Manufacturing and Testing Capabilities
USA	21	Thomas Judd	Global CE Development and the CoronaVirus Hacking Repository
Paraguay	5	Pedro Galvan, Ronald Rivas, Benicio Grossling, Jose Ortellado, Juan Portillo, Julio Borba and Enrique Hilario	Digital Organizational Transformation and Readiness for the Future of Health Services Through Telemedicine
Scotland	123	Jean Ngoie, Bill Bartlett and Zhihong Huang	The Implementation of a CoViD-19 Floating Intensive Care Unit (FICU): A Resilient and Agile Response to ICU Capacity Expansion.
Kyrgyzstan	275	Talant Sultanov	How can digital technologies help rural communities in times of pandemic?
Grenada	304	Keishauna Baptiste	Pandemic Solutions for Grenada
USA	122	James Wear	Preparing Your Hospital for a Natural or Man-made Disaster

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	243	Manish Kohli MD, Tom Judd, Elliot Sloane	Workforce Development for Digital Health Innovations in LMICs
Ethiopia	93	Ashenafi Hussein	The Effect of Advanced Medical Device Technology in Africa By Ashenafi Hussein - May 2023
Japan	187	Daisuke Inagaki	Proposal for a medical device management education system for Asia and Africa that utilizes the knowledge of Japanese clinical engineers.
Syria	279	ICRC: Wisal Alahdab	Criteria to Maintenance of Medical Equipment in conflict affected contexts
Turkey	286	Ugur Cunedioğlu, Peliin Kaya	The Evolution and Education of Biomedical Engineering in Turkey: A Multidisciplinary Approach to Advancing Healthcare
Honduras	300	Alejandro Zavala	Assessment of Healthcare Technology Management Practices in Public Hospitals of Honduras
Japan	36	Keizo Wauchi, Manabu Hiroura, Yasunori Yamasaki, Tetsuro Nakamura, Takeshi Matsumura and Osamu Yoshida	Global Healthcare Disparities Can Be Eliminated ‘Technology Transfer through Cardiovascular Surgery in Zambia’
Bangladesh	35	Md. Anwar Hossain, Mohiuddin Ahmad, Nazmul Hasan Mehadi and Yadin David	Enhancing Patient Care Outcomes through Competent Biomedical Equipment Technicians of CEAB

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Uruguay	152	Franco Simini , Isabel Morales and Horacio Venturino	MANTO: Clinical Engineering Residency and Internship Program for Latin American Countries
Sudan	276	Mohanad Elfadil, Aisha Mamoon Ahmed Mohamed	Effects of war on healthcare technology in Sudan
India	289	Niranjan D. Khambete	The expanding role of Clinical Engineers in modern healthcare delivery in India
Mexico	175	Carmen Eloisa Martinez Cid, Leonardo Hernández de la Rosa, Blanca Estela Amaro Amaro, María Fernanda Guerrero Sáenz and Samantha Al-	Consolidation of a Clinical Engineering Department: A 10-year Perspective
Spain	252	Eugenia Mercado and Claudio Meirovich	Reducing the Environmental Impact of the construction and operation of healthcare facilities with a sustainable management approach
Peru	183	Mery Vidal and Jesica Coronado	CE as a key actor in the management of healthcare projects
Italy	39	Giulio Iachetti, Ivan Porro and Joele Negro	Applications of AI to the scheduling of complex diagnostic flows
St Kitts & Nevis	315	Glenville Liburd MD	St. Kitts and Nevis Assistive Technologies

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
South Africa	198	Joel Philpott, Shannon Pincus, Mladen Poluta, Abdelbaset Khalaf and Sudesh	Justification for Policy Change in HTM and Maintenance in South Africa: Insights from Stakeholder Interviews in the Western Cape
India	18	Abhijit Ghosh	Overview of medical device regulatory landscape in India and steady progress towards Digital Health
Italy	145	Federica Miola, Ilaria Sirocich, Stefano Bergamasco, Eliana Monaco, Roberto Belliato and Luigi Cuorvo	Surveys as part of Post Market Clinical Follow Up
Zambia	288	Ganizani Phiri	Medical device regulations – the Zambian overview
India	81	Keerthan Rm, Dr. Kavita Kachroo, Prince Singh and Moinudeen Sak	Revolutionizing Cost-Effective Analysis in Healthcare: Introducing SIDDHI®, a Cutting-Edge Economic Evaluation Tool
Albania	169	Ledina Picari and Andoneta Njehrrrena	Regulatory Framework for Medical Devices in Albania
Greece	74	Spilios Zisimopoulos and Nicolas Pallikarakis	Integration of a Vigilance System in the Management of Medical Equipment
Egypt	271	Neven Saleh	A Paradigm for Risk Management of Medical Laboratory Equipment

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Nepal	263	Barun Kumar Rauniyar , Sushmita Das, Pushpa Ranjan Wijesinghe, Nilesh Buddha, Edwin Ceniza Salvador, K G Venkateswaran, Namrata Agarwal, Neeraj Jain	Evidence-based, Standardized and High-quality Knowledge Products on Management of Medical Oxygen and Respiratory Care Devices for South and South East Asia
Switzerland	58	WHO: Jia Xin Kiki He, Florestan Boualame, Laura Alejandra Velez Ruiz Gaitan and Janet Diaz	A global perspective of lessons learned in the implementation of oxygen generation plants in LMICs as an emergency response during the pandemic
Kenya	280	Millicent Alooh	Maintaining momentum on improving access to Medical Oxygen Therapy for Newborn Care beyond Covid19 Pandemic through Nest360 Program
Chad	282	AFRO: Maombi Edison MD	Functionality of Oxygen Concentrators in DRC Hospitals during COVID-19, and Oxygen Needs Being Met in Chad
Rwanda	172	Umutesi Francine	How to dramatically increase local production of medical oxygen: Case study of Rwanda
Moldova	256	Edgardo Diaz, Claudio Meirovich and Ulian Rotari	Experiences in Oxygen Pipeline Network Design depending on Hospital Structure and Oxygen Supply availability during COVID-19 pandemic.
Burkina Faso	306	Didace Foro	The development of a maintenance and training strategy as part of the response to the covid19 pandemic
Malawi	137	Devin Nagle, Buckley, Andrew Johnston, Steve Mte-wa, Jen Morin, Britta Johnston and Noah Hudelson	Building capacity to strengthen medical oxygen security

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Japan	30	Keiko Fukuta , Kazuki Bando, Akihiko Watarai, Hiroyuki Saitou, Yu Moriguchi, Daisuke Nakatani, Satoshi Fujita, Takeshi Machino, Hiroshi Noguchi, Noriyuki Masuda, Yoshihiro Arakawa, Katsumasa Fujita and Akira Myoui	A case study of successful participation in entrepreneurial education programs for medical device development through medical-engineering collaboration in Japan
France	171	HUMATEM : Cathy Blanc-Gonnet, Benoît-Pierre Ligot, Clarisse Delaspres and Emilie Durand	Innovative approach to strengthen MD maintenance capacities in the Democratic Republic of Congo
Russia	200	Andrei Issakov MD	Promoting CE and HTM Education and Training in Central Asia and other Post-Soviet Countries
Malaysia	326	Thangavelu Sasikala	Empowering Excellence: A Comprehensive Overview of the Competency Program for Medical Device Management in Healthcare Delivery Organizations
Canada	44	Kim Greenwood, Kajal Madhusudan and Jean Ngoie	Staff Demographic Change in Clinical Engineering at CHEO: Transition towards Diversity Reflective of the Canadian Population
USA	227	Elliot Sloane	Health Technology Management for Integrated Medical Device and Information Systems
Colombia	250	Ana Cristina Colorado Canola, Lina Cruz and Elisha Sanoussi	Education based on 4.0 technologies for Biomedical Engineering and related programs
Portugal	293	César Burgi Vieira MD	“One health”: closing the distance between engineers and clinicians

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
UK	89	Kallirroï Stavrianou and Yadin David (Peck Ha Tan)	Clinical Engineers responsibilities to sustain their CE journal
Netherlands	219	Saba Hinrichs-Krapels, Lorena Aguilera-Cobos and Shauna Mullally	Demonstrating the impact of clinical engineering in health systems globally
Mexico	269	Luis Fernandez	Medical Equipment Management Status in the Private Healthcare Sector in Mexico: A Comprehensive Analysis
Pakistan	105	Tazeen Bukhari	Case Study: Improving Pakistan's Health System Through CE/BME and HTM and Recommendations
South Africa	196	Sudesh Sivarasu	Embracing Appropriate Health Technology for Affordable Healthcare:
UK	91	Daniel Clark	Accelerating the adoption of new technology: the role of the Clinical Engineer
Kenya	64	Millicent Alooh	Impact of NEST360 program on newborn technology management in NEST360 Countries
Kazakhstan	318	Irina Akizhanova MD, Konstantin Osipov	Innovative diagnostic and therapeutic technologies for the protection of the hip joints in children

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Kuwait	103	Hanan Al-Awadhi	We Learn: Regulating Healthcare Technologies for the Future
USA	111	PATH: Betsy Wilskie	The case for HTM and public procurement policy alignment in Senegal and Indonesia
Indonesia, Senegal	111	PATH: Betsy Wilskie	The case for HTM and public procurement policy alignment in Senegal and Indonesia
Jordan	10	ISQua: Hashem Alfadel	Health Technology Assessment; Perspective of Medical Devices For Arab Countries
Mexico	206	Andres Moron-Mendoza, Joaquin Azprizo-Leehan, Fabiola Martinez-Licon, Raul Molina-Salazar and Gerardo Rosas-Abreu	Innovation in Chronic Diseases with Social Impact: Case of Renal Failure Treatments and its Application in Mexico's Health Public Policies
Australia	52	Kyril Belle	Governance of Healthcare Technology Australian Standards and Hospital Accreditation
Malaysia	325	Thangavelu Sasikala, Dzatul Ithri Binti Amran	Establishing and Implementing a Comprehensive Medical Device Maintenance Program in Healthcare Institutions: A Focus on MS2058:2018 Standards in Malaysia
Jamaica	96	Conchita LeBert	Medical Equipment Management Policy

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	1	Thomas Judd	Global CE Status 2023
South Africa	216	Mladen Poluta	Multi-sectoral maintenance strategy as a key enabler of Community Wellness in Less-Resourced Settings: A leadership opportunity for global Clinical Engineering
USA	261	Lori Warrens	Addressing Quality and Capacity Building Challenges in Medical Device Donations: Health Technology Management and Credentialing
Canada	65	Marie-Ange Janvier, Andrew Ibey and Yin Yu Rachel Zhang	Enhancing Accessibility and Inclusivity in Clinical Engineering Certification: Virtual Exam Accommodations and Guidelines
India	188	IBSC: Nitturi Kumar, Karthik Raj V, Mohan Raghul, Somasekhar M, Mrutun-	Skilling & Upskilling of Biomedical Engineers Through Certification Programs
Brazil	308	Ricardo Sa Maranhão, Gilvane Lolato	Certification for Facilities Services and its Impact on Networks of Healthcare Organizations
India	189	Karthik Raj V, Mrutunjay Jena and Jitendra Kumar Sharma	Equipment Maintenance Scheme for enhancing better quality in equipment maintenance
USA	116	James Wear	Why is Accreditation/Certification Important

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	265	IFMBE: Shankar Krishnan	Developing Effective Educational Programs to Prepare Future Clinical Engineers
Italy	156	Agostino Accardo, Francesco Bassi and Milos Ajcevic	Three Decades of Clinical Engineering Study Programs in Trieste
Rwanda	233	Francine Umutesi	Improving quality of services through setting up CE departments and proper maintenance workshops in hospitals
Puerto Rico	302	Wilfredo Farinas Coronado, Jonathan Marrero Rosaly	CLINICAL ENGINEERING IN PUERTO RICO
Canada	84	Payal Mandot and Parisa Bahrami	Benefits of Clinical Engineering in large-scale Healthcare Redevelopment projects in Canada
USA	301	Bruce Compton	Insights and Opportunities to Transform International Health Workforce Recruitment and Capacity
Zimbabwe	184	Connellus Njini	Building human resource capacity for medical device maintenance and management in Zimbabwe
Brazil	299	Tayna Cabral, Alexandre Ferreli Souza	Strategic thinking in decision-making by the clinical engineering professional and reflections to team

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	226	Elliot Sloane , Bill Gentles and Tony Easty	CE's HTA and HTM Skills and Perspectives for Safe and Sustainable Homecare
Japan	50	Ichiko Watanabe	Development of the Power Assist Device for transferring patients with Severe Disabilities
Italy	127	Francesco Bassi, Milos Ajcevic and Agostino Accardo	Definition of a standard approach for the HTA of Home Care Systems
Brazil	129	Mariana Brandão, Liandra Holanda, Alessandro Benedet, João Vítor Fogaça and Renato Garcia	Analysis of adverse events in medical devices used in Home Care in Health Technology Management
UK	3	Chris Hopkins and Gareth Davies	Real-World Evaluation of Technology Enabled Care for Remote Patient Monitoring of COPD in West Wales
Somalia	330	Saed Ahmed	The Status of Medicines Regulation & the Risk of Substandard Medicines In Somalia and Potential Impact on Home Care
Lebanon	222	Sandy Rihana	Virtual Clinic Implementation
Mexico	214	Hugo Esteban Gonzalez Venegas, Eduardo Mendez Palos, Pedro Misraim Gomez Rodriguez, Ricardo Emmanuel Garcia Manzo, Felix Antonio Cepeda Garcia and Jessica Gabriela Gomez Casillas	The perks of developing a healthcare technology startup as a college student in Latin America

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Bangladesh	205	Md Ashrafuzzaman , Ananya Anower and Jitendra Kumar Sharma	SMART: Scan Maternal & Women Diseases using Advanced and Reliance Technology- An Integrated Solution for LMICs
Argentina	242	Marcelo Horacio Lencina, Daniel Romero, Federico Paschetta, Luis Rocha and Edu-	Guidelines for a CE Unit in Argentina
Italy	75	Matteo Verga, Gian Luca Viganò, Martina Capuzzo, Claudia Duri, Lucia Maria Ignoti	Operational research for management of high biomedical technology innovation: from the algorithm to the model
South Sudan	316	Rodrigo Acosta	CE in South Sudan Humanitarian Crisis
Italy	82	Anna Squara, Alessandro Bacuzzi, Silvia Beati, Battistina Castiglioni, Simona Cozzi, Sonia Fransceschetti, Ivan Sternativo	IDEF0 method application in pre-hospitalization process: our experience in a multi-disciplinary hub clinic in northern Italy
Singapore	88	Peck Ha Tan, Abdiel Foo, Tji Leng Chua, Wai Sing Ong and Hock Wei Soon	Workplace Learning in Clinical Engineering Training
Bhutan	303	Tashi Penjore	Assessment of technical capacity and proposal to enhance biomedical engineering services in Bhutan
India	180	Jagadesh Kumar Dhayalan and Alfred Roger George	CE/HTM Practice in the Government Medical Institutions & Hospitals of the Indian State of Tamil Nadu

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8:30 am - 9:00 am	Registration					
9:00 am - 10:00 am		Welcome & 2 Keynotes: IFMBE CED and GCEA				
10:00 am - 12:00 pm		Track D1	Track D2	Track D3	Track D4	
12:00 pm - 12:15 pm	Break & Posters					Exhibition Hall Open
12:15 pm - 2:15 pm		Track E1	Track E2	Track E3	Track E4	Exhibition Hall Open
2:15 pm - 3:15 pm						Lunch & Posters
3:15 pm - 5:15 pm		Track F1	Track F2	Track F3	Track F4	Exhibition Hall Open
5:15 pm - 6:00 pm	Congress Closing Ceremony					
6:00 pm - 9:00 pm	Cocktails Dinner (Cash Bar)					
11am—1pm AND 3pm— 5pm	Guided Tours of AMTZ Campus centers, registration needed					

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Venezuela, USA	314	Ricardo Silva	Digital Health Innovation Accelerator Center
UK	2	Chris Hopkins	Multimodal AI analysis of Prostate Cancer indicators to reduce patient backlogs and improve patient care.
Italy	309	IUPESM: Leandro Pecchia	Leveraging Robots, AI, and IoT for enhancing Clinical Engineering: The ODIN project
India	331	Sambhu Ramesh	A Landscape Study to Determine the Innovation Mortality Rate in Health Technology Innovations Across the Globe
Mozambique	257	Mario Forjaz Secca	Importance and Challenges of Medical Imaging in Africa
USA	197	Rachel Goeken, Chaitanya Mankala and Ricardo Silva	Next Generation Artificial Neural Network
Colombia	119	Javier Camacho, Sara Diaz and Felipe Duque	A low cost Medical device interoperability architecture model for ICUs; Afib predictor
China	79	Xiaomin Lou, Shi Hong Che and Dan Hou	Four Diagnostic Data Governance and Intelligent diagnosis and Treatment Algorithm of TCM

5th ICEHTMC – TRACK D2 – Health Technology Management (HTM) 1

12 November, 10am-12pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
UK	134	Kallirroï Stavrianou (Hashem Alfadel)	Necessity of Project Management in Clinical Engineering
Congo RD	231	Martha Tusabe and Francis Kalule	HTM knowledge gap among healthcare leaders in Africa as a contributor to increased equipment downtime
Togo	296	Sadikou Oussey	Optimization of biomedical maintenance in the main hospitals of the Kara Region
Netherlands	25	Roland Loeffen	Medical Technology as a Service
Gambia	287	Andrew Demba	Current development within the Gambia ministry of health biomedical engineering unit
Cameroon	174	Djankou Tchoutat Lionel, Ouassou Passang Saibou and Tiedjou Rodrigue	Setting up sustainable maintenance departments in some state-owned healthcare facilities in Cameroon
USA	195	Ricardo Silva, Elliot Sloane, Tom Judd	Healthcare Technology Management for Digital Health Transformation
Burundi	9	Farah Beniacoub, Marc Myszkowski, Fabrice Ntwari, Emery-Christian Arakaza and Stefaan Van Bastelaere	Implementation of a decentralised maintenance model with measurable impact on functionality and availability of medical equipment in health care facilities in Burundi

5th ICEHTMC – TRACK D3 – Health Technology Assessment & Innovation 1

12 November, 10am-12pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
South Africa	193	Michael Awood, Catherine Gordon-Grant and Sudesh Sivarasu	Design and development of a sensory feedback system for transradial amputees using body powered prostheses
Bangladesh	87	K Siddique-E Rabbani	Design and Manufacture of healthcare devices in LMICs – necessity, challenges and way out
UK	73	Chris Hopkins and Dr Matthew Lawrence	Real World Evaluation of the NGPOD device
Iceland	278	Paolo Gargiulo	3D printing in healthcare: 25 years of development in Iceland
Ghana	128	Elsie Effah Kaufmann, Akofa Bart Plange, Robert Ssekitoleko, Benedict Mulindwa and Mike Raxworthy	Biomedical Engineering and the Innovation Landscape in Africa: An Exploratory Study of Five Anglophone West African Countries: Ghana, Nigeria, Liberia, Sierra Leone and the Gambia
Colombia	130	Paula Andrea Berrio Molina and Tomas Gonzalez Cano	Evaluation and implementation of an on-site 3D laboratory to support the planification and development of highly complex surgical services
Ecuador	245	Fred Hosea III and Jans Aasman	Clinical Engineering innovations for health equity in a global environment of polycrisis
Canada	284	Antonio Miguel Cruz	Validation of a new device for distal upper extremity rehabilitation: A Feasibility Randomized Controlled Trial

5th ICEHTMC – TRACK D4 – Health Technology Quality & Risk 1

12 November, 10am-12pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Uganda	164	Deborah Aloyo	Addressing the biggest challenge faced by biomedical personnel in east African health facilities, accepting the Status Quo.
USA	328	NASA: Sandeep Wilkhu, John Graf	Medical Ceramic Oxygen Generator (M-COG)
Colombia	167	Karent Eliana Muñoz and Margarita Maria Sarmiento Montoya	Reuse of Medical Devices with Patient Safety Responsibility, Imbanaco Clinic, Cali, Colombia
Bangladesh	97	Jahin Ahmed, Md. Ushama Shafoyat, Shahin Mahmud, Md. Faizul Hakim, Dr. M Jahangir Alam and Md. Ash-rafuzzaman	Current Status of Breast Cancer Prevalence & Futuristic Solution Through Tele-health & AI Based Approaches to Combat Breast Cancer in Bangladesh
Greece	283	Athanasia Kalouptsoglou, Aris Dermitzakis, Nicolas Pallikarakis	Implementing a web application for medical devices classification
China	7	Bao Li, Yun-Ming Shen, Si-Wei Xiang and Kun Zheng	Comparison of the performance test of reusable patient circuit and disposable patient circuit of ventilator
Spain	170	Cari Borrás	Potential Roles of Medical Physicists and Biomedical/Clinical Engineers in Radiotheranostics
Paraguay	19	César Yegros, Luciano Benjamín Recalde Carballo and Eladio Quintana	Development of evaluation and quality control protocols for mammography

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA	237	Manish Kohli MD	Power of Digital Bridges: Case Studies on Improving Access and Health Equity
B&H	83	Adna Softić, Lejla Gurbeta Pokvić and Almir Badnjević	The importance of digital transformation in Clinical Engineering: Bosnia and Herzegovina case study
Taiwan	305	Yi-Chieh Lin	Optimal medical equipment maintenance system
Mauritius	194	Radhakrishna Suppanee, Prudence Wong, Mahmoud Chizari, Ibrahim Esat, Karthig Rajakulendran, Nikolaos Bardakos and Richard Field MD	The pathomorphology of an arthritic hip joint with femoroacetabular impingement – bone to bone contact predictive analysis using a numerical method
Australia	109	Harsha Bodla	Development and evaluation of a virtual reality game for upper-limb rehabilitation
Italy	71	Alessandra Casaroli, Gianluca Rocchi and Davide Cecchetto	PACS system implementation on distributed infrastructure during first steps of health organization digitalization
Romania	277	Oana Geman	GreenChain – A Solana Blockchain-based management platform for bioengineering academic areas
Greece	144	Anastasia Daskalaki, Mary Marinou and Aris Dermitzakis	Medical Devices Nomenclature Systems: Challenges and Considerations in Health-Care Equipment Inventory Management

5th ICEHTMC – TRACK E2 – Health Technology Management (HTM) 2

12 November, 12:15-2:15pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Malaysia	326	Thangavelu Sasikala (Millicent Aloh)	Empowering Excellence: A Comprehensive Overview of the Competency Program for Medical Device Management in Healthcare Delivery Organizations
Peru	240	Mery Vidal, Joe Mochcco, Jesica Coronado and Maria del Rosario Prietto	Best Practices in Medical Equipment Purchasing
Anguilla	273	Kenichia Charles	Healthcare Technology Management in Anguilla
Trin. & Tobago	294	Paul Taylor	Identifying the Strategic Management Issues that Impact Preventative and Corrective Medical Equipment Maintenance Practices at the Eric Williams Medical Sciences Complex of the North Central Regional Health Authority in Trinidad and Tobago
Brazil	31	Juliano Martins and Renato Garcia	Methodology to define the period of test performs in Medical Equipment using Control Chart method for Metrology Standards
Haiti	241	Emmanuel Kouemo Tchokodjeu, Ziad Hamze and Clerve Ovil	Reinforcing MoH and Private sector BMET capacity in difficult conditions set up: Case of HAITI
Brazil	204	Gustavo De Castro Vivas and Fernanda De Carvalho Vieira	iSUB: a proposal of an indicator for use in medical equipment replacement planning
Mali	313	Kelly Aldjouna	Ensuring Electrical Safety Systems in an MOH Hospital in Mali

5th ICEHTMC – TRACK E3 – Health Technology Assessment & Innovation 2

12 November, 12:15-2:15pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Mexico	59	Fabiola Martinez-Licon	Resource Allocation of Medical Devices Strategies for Breast Cancer Screening
Sudan	62	Badria Ibrahim Eisa Idris and Dr. Mohammed Yagoub Ismail	Design a Mobile Application for Maintenance of Hemodialysis Machines using Flutter Framework
Italy	150	Greta Puleo, Greta Bortolaso, Umberto Nocco, Roberta Pavesi and Poala Colombo	Contrast-enhanced mammography in the early diagnosis and screening of breast cancer
South Africa	201	Ra'Eesah Ismail, Keertan Dheda and Sudesh Sivarasu	Breaking the Diagnostic Barrier in Tuberculosis Diagnosis using an Innovative Cough Aerosol Sampling Device for Individuals with Minimal Sputum Yield
China	72	YanJun Pan, Jing Sun and Jingyi Feng	Clinical Effect Analysis of Different Absorbable Hemostatic Material Usage in Laparoscopic Resection of Lung Cancer: A Propensity Score Matching, Retrospective Real-World Study
Mexico	15	Stephanie Y Durán-Negrete, Lizbeth Guzmán-Canizales and Martha R Ortiz-Posadas	A Bariatric Clinic Development at a High Specialty Hospital in Mexico
India	56	Chelsea Johnson, Santosh Kumar Balivada and Divya Patil	An Investigative Study into the Morphological, Physical and Biocompatibility Properties of Medical Grade UHMWPE Rods for Orthopaedic Implants
Peru	86	Rossana Rivas, Luis Vilcahuaman, Andres Diaz Lantada and Carmelo De Maria	Barriers and facilitators in Regulatory processes: Improving Health Innovation in Peru and European Union

5th ICEHTMC – TRACK E4 – Health Technology Quality & Risk 2

12 November, 12:15-2:15pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Italy	149	Stefano Bergamasco, Luigi Cuorvo, Roberto Belliato, Ilaria Sirotich, Eliana Monaco and Federica Miola (Elliot Sloane)	Exploring the Use of ChatGPT in the Creation of Technical Documentation for Medical Device Certification
Congo RD	148	Martha Tusabe and Brian Matovu	Equipment Decontamination: A missed opportunity in Healthcare Equipment Maintenance in LMICs
China	17	Jin Pan, Xueting Qu, Yinxue Wang, Shuping Chen, Tao Wu and Jingyi Feng	The practice of implementing smart delivery in a supply-process-delivery system in large hospital
Bangladesh	98	Md.Faizul Hakim, Jahin Ahmed, Rezwon-UI Quadir, Md. Ashrafuzzaman, Dr. M Jahangir Alam and Md.Asadur Rahman	The Emergence of Cervical Cancer in Bangladesh and The Necessity of Introducing Low Ultrasound & AI-based Portable System to Ensure Early Detection of Cervical Cancer in Lower Middle-Income Countries
China	27	Qipeng Lu, Yong Wu, Jian Shao and Xiaodong Mao	A multi-leaf collimator continuous quality improvement project for medical linear accelerators
Italy	114	Ilaria Sirotich, Roberto Belliato, Stefano Bergamasco, Eliana Monaco, Federica Miola and Luigi Cuorvo	Definition, implementation and continuous improvement of the risk management system for medical devices
Benin	162	Pascal Soroheye, Espoir Hounsossou and François Bohounton	Shared management of biomedical waste in the Dassa-Glazoue health zone
UK	132	Sarah Bolton, Michael Craven, Kyle Harrington and Louisa Gerrard	Developing a Value Proposition for Exoskeleton Technologies in the NHS through Stakeholder Engagement

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Rwanda	229	Umutesi Francine (Fabiola Martinez-Licona)	Women's resilience in fighting against covid19 pandemic – Women in clinical engineering and technology in Rwanda
Canada	61	Marie-Ange Janvier and Ishtar Al-Tahir	Women in STEM in Clinical Engineering Departments: A Survey Analysis in Canada
Poland	45	Ewa Zalewska	Women's unique aptitudes support clinical engineering development
Uganda	54	Shalom Katusiime, Elizabeth Nakuya and Priscilla Kemigisha	Knowledge, attitudes and challenges of female biomedical engineers in Imics. A case study of Uganda
Bangladesh	135	Tasnuha Tabassum Mourin, Rayesa Haque Rupanti, Nawrin Tasnim and Md. Ashrafuzzaman	BMWEB: Empowering the BioMedical Women Engineers in Bangladesh
Colombia	165	Margarita Maria Sarmiento Montoya and Karent Eliana Muñoz Salazar	Experience in the Implementation of the Medical Technology Model for a High-Complexity Clinic, Cali, Colombia
Ethiopia	51	Selamawit Asfaw Abay	Uplifting the role of women in biomedical engineering
Brazil	298	Tatiane Dantas, Alexandre Ferreli Souza	Women in Clinical Engineering in Brazil

5th ICEHTMC – TRACK F2 – Health Technology Management (HTM) 3

12 November, 3:15-5:15pm

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Afghanistan	248	Huma Abdul Rauf	Healthcare System and Clinical Engineering Program in Afghanistan
Malaysia	291	Maizatul Akmal	Optimisation of medical equipment replacement strategies, National Heart Institute Malaysia
Brazil	246	Bruno Roma	Monitoring the rate of decay of the level of Liquid Helium in an MRI
Portugal	290	Pedro de Britto Moreira Neto	International CE in Portugal: Hospital Case Study
Greece	143	Mary Marinou, Anastasia Daskalaki and Aris Dermitzakis	Enhancing Medical Equipment Management and Performance Metrics in a Regional Healthcare Authority
France	224	HUMATEM: Cathy Blanc-Gonnet, Emilie Durand, Benoît-Pierre Ligot and Clarisse Delaspre	Survey on the biomedical cooperation practices of French international hospital cooperation actors and their partners, and their needs for support
Australia	12	Rebecca Bailey	Central Equipment Library
Italy	29	Adriana De Cosmo and Andrea Pezzillo	Use of business intelligence software for monitoring key performance indicators (KPI) for computerized maintenance management system (CMMS) evaluation

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Italy	154	Umberto Nocco , Stefano Bergamasco, Lorenzo Leogrande and Paolo Lago	AIIC: The Italian Association of Clinical Engineers, our first thirty years
South Africa	281	Shija Daniel	CEASA: South Africa 2023 Global Clinical Engineering Day Competition
Brazil	310	Ricardo Sa Maranhão	ABEClin: 20 years promoting Clinical Engineering in Brazil
Ghana	173	George Boadu	GSBE: Towards the Recognition of Clinical Engineering as Health Profession in Ghana: The Role of the Professional Association
Canada	85	Marie-Ange Janvier	IFMBE: Survey on Diversity and Inclusiveness in the Membership of the Council of Societies
China	141	Dong Jin, Meng Xu, Yan Wang and Hongjun Liu	CSCE & CMD: Empowering Clinical Engineers in China
Canada	232	Michael Barton	CMBES: Clinical Engineering Standards of Practice, 4th Edition
India	260	Jagadesh Kumar Dhayalan and Kavi Bharathi Sakthivel	TNBMEA: Collaboration & Affiliation with International CE Organisations by the LMIC CE Communities - Best Practices - A case study of Tamil Nadu Biomedical Engineers Association

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
USA, India	315	Carla Gallegos, Ash Damle, Sean Howse MD (Tom Judd)	Healiom: Digital Health Access Innovation part 1
		Carla Gallegos, Ash Damle, Sean Howse MD	Healiom: Digital Health Access Innovation part 2
USA, India		Sean Howse MD	Healiom:
USA, India	153	Tracy Rausch and Steven Dain	DocBox: Integrated Clinical Environment (ICE): From Device Integration to Autonomy part 1
USA		Elana Robertson	Global Health Innovation Xchange (Xchange)
Americas, India	230	Germán Giles and Marcelo Lencina	Schiller: A collaboration case for a new medical devices factory in India during the peak of COVID-19 pandemic
India	40, 41, 42	Rashid Ali Khan, Ravi Valia and Pinaki Ghosh	B. Braun: Cost impact analysis of 3 different products
India	324	Sk. Baajirahamtulla, K. Ramakrisnareddy, N. V. Rama Rao, Rama Rao Nadendla	Chalapathi institute of pharmaceutical sciences: Role of clinical pharmacist in risk management of adverse drug events in healthcare technology

India Standard Time	KCC Entry Lounge & Central Area	KCC Auditorium	AMTZ Exhibition Centre
9:00am-1:00pm	AMTZ tours and Vizag local area tours; registration required Bag lunches available for local area tours		
12:00pm-1:00pm			Lunch & Posters in Exhibition Hall
1:00pm-2:30 pm		Joint Congress-Forum Panel 1: <i>Ministers of Health teams review of future management of Health Technologies (MOH)</i>	Exhibition Hall Open
2:30pm-3:00pm	Break		Exhibition Hall Open
3:00pm-4:30pm		Joint Congress-Forum Panel 2: <i>Women Global Leadership in Clinical Engineering and Health Technologies (WICE)</i>	Exhibition Hall Open
4:30pm-4:45pm	Break		Exhibition Hall Open
4:45pm-6:00pm		Global CE Community and AMTZ: Future directions	
11am—1pm AND 3pm— 5pm	Guided Tours of AMTZ Campus centers, registration needed		

Panelists	Activities
Wahid Majrooh MD , former MOH Afghanistan, WHO Exec. Committee, https://www.linkedin.com/in/dr-wahid-majrooh/	Vijay Agarwal MD , President, Consortium of Accredited Healthcare Organizations (CAHO India) https://www.linkedin.com/in/vijay-agarwal-0336613/
Anahit Avanesyan , MOH Armenia, https://www.gov.am/en/gov-members/1029/	Ahmadou Lamin SAMATEH MD , MOH, The Gambia, https://www.wahooas.org/web-ooas/en/pays-membres/gambia
Hon. Yolanda Awel Deng Juach , MOH South Sudan	Zahid Maleque , MOH Bangladesh https://www.facebook.com/mohfwb/

Country	Abstract No.	Presenters (Session Chair bolded)	Title of Presentation
Mexico	95	Fabiola Martinez and Samantha Alvarado	WICE: The role of being women and clinical engineer
Bangladesh	49	Mohiuddin Ahmad, Md. Anwar Hossain, Afrin Binte Anwar, Celia Shahnaz	The necessity to Introduce Women Clinical Engineers in the Modern Hospital of Bangladesh
Sudan	112	Amna Elhassan	Motivating Message for Women
Nepal	140	Prashiksha Ulak	Empowering women in clinical engineering: A case study of Nepal
India	215	Kavi Bharathi	Women clinical Engineers of Tamil Nadu: An analysis of women clinical engineers' education and career progressions and solution to overcome the social hindrance faced.

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Uruguay	4	Gustavo Sosa	Use of a weighted decision matrix to aid in the selection of a CMMS
China	7	Bao Li, Yun-Ming Shen, Si-Wei Xiang and Kun Zheng	Comparison of the performance test of reusable patient circuit and disposable patient circuit of ventilator
Lebanon	14	Bassam Tabshouri	Resilience, Grit, and Moving Forward Under Challenging Circumstances
Nepal	16	Jackfin Kc, Kishori Kunwar, Menam Pokhrel and Alaka Acharya	Deep Convolutional Neural Networks for Brain Tumor Classification
Netherlands	25	Roland Loeffen	Medical Technology as a Service
Peru	33	Mery Vidal	Clinical Engineers: Technology managers that add value to Healthcare Organizations
Australia	38	Kyril Belle	Cardiac Electrophysiology Service setup at Canberra Health Services - Where there is a will there is a way
India	40	Rashid Ali Khan, Ravi Valia and Pinaki Ghosh	Cost impact analysis for peripherally inserted central catheters vs. totally implanted ports in India
India	42	Rashid Ali Khan, Ravi Valia and Pinaki Ghosh	Cost impact analysis for safety peripheral intravenous cannula with or without multi-use blood leakage control septum in India

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Mongolia	48	Gerelt-Od Namdag, Amarsaikhan Dashtseren and Munkh-Erdene	EVALUATION OF OXYGEN SUPPLY PREPARATION AND INVESTMENT DURING THE CORONAVIRUS PANDEMIC
Italy	53	Anna Squara, Silvia Del Torchio, Davide Freri and Giovanni Poggialini	DIGITIZATION OF INVESTMENTS, DONATIONS AND EXPENDITURE FOR INNOVATIVE TECHNOLOGIES: THE UVAD EXPERIENCE IN AN ITALIAN HOSPITAL
Argentina	57	Rosa María Weisz and Emilce Preisz	Postgraduate Training in Clinical Engineering: A Step Towards Enhancing Healthcare in Argentina.
China	60	Wei Xiong, Bin Mao, Jing Sun, Jun Zheng and Jingyi Feng	Study on the evaluation of mainstream syringe infusion pump based on multi index analysis
Paraguay	63	Eladio Quintana, César Yegros, Benjamín Recalde and José Núñez	DESIGN AND IMPLEMENTATION OF A WHEELCHAIR PROTOTYPE WITH A SAFE TRANSFER SYSTEM FOR PATIENTS
Canada	66	Andrew Ibey and Marie-Ange Janvier	Essential Elements of a Clinical Engineering Internship: A Comprehensive Guide
Italy	59	Giulia Silveri, Paolo Lago, Davide Pistorino and Marco Roccasalva	Health Technology Assessment for the introduction of centralized monitoring system in Fondazione IRCCS Policlinico San Matteo Hospital
DRC	70	Eustache Muteba Ayumba	Smart Ontology for Radiology

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Senegal	77	Bouso Niang, Adia Binta Coulibaly and Magaye Thiam	Towards the digitization of hospital maintenance in Economic Community of West African States (ECOWAS)
India	80	Dr. Kavita Kachroo, Harshitha S and Keerthan Rm	Title: Unleashing the Potential: Exploring Growth Drivers and Export Opportunities in India's Thriving Medical Device Market
UK	90	Dan Clark and Keith Ison	Managing Medical Equipment within Virtual Wards – developing UK National Guidance
Benin	92	Pascal Soroheye, Espoir Hounsossou and Brice Kodjela	Implementation of an innovative medical device management strategy
India	94	Sharmila Ghosh	Brain-Tumor detection by using Zernike Polynomials
Ethiopia	100	Ewunate Assaye Kassaw	Medical equipment management system implementation and perception among biomedical engineers in Ethiopia
Uganda	101	Success Kamuhanda	Transforming Healthcare Delivery in Uganda: Implementation of a Comprehensive Health Information System
Pakistan	104	Tazeen Bukhari and Waqar Azeem	Setting up Tertiary Health Facility in an LMIC like Pakistan- Clinical Engineer's Perspective

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
India, USA	110	Ricardo Silva, Monty Khajanchi and Anita Gadgi	A tool for naming and classification of surgical instruments
Sudan	113	Amna Elhassan	The role of Clinical Engineers during crises
Bangladesh	115	Sayed Salman Aziz, Sumaiya Tabassum Dipty, Md. Tarikul Islam, Iqbal Bahar Prince, Tasmir Ahmed, Muhammad E. H. Chowdhury and Zaid Bin Mahbub	Impact of Pulsatile Electromagnetic Fields on Peripheral Artery Blood Flow, a Doppler Ultrasound Study.
Brazil	117	Jorge Cardoso Pereira and Guilherme Araujo Wood	THE USE OF CAPACITIVE CONTACT RETURN ELECTRODE IN REDUCTION OF ADVERSE BURNING EVENTS IN PATIENTS IN PROCEDURES USING ELECTROSURGERY
Haiti	126	Emmanuel Kouemo Tchokodjeu, Ziad Hamze and Clerve Ovil	BMET at the center of a country level oxygen therapy support project: Case of Haiti
UK	132	Sarah Bolton, Michael Craven, Kyle Harrington and Louisa Gerrard	Developing a Value Proposition for Exoskeleton Technologies in the NHS through Stakeholder Engagement
Colombia	133	Paula Andrea Berrio Molina and Tatiana Sierra Montoya	An interdisciplinary approach of infusion systems quantitative technology assessment

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Peru, USA	136	Rossana Rivas Tarazona, Elliot Sloane and Mesias Guevara	Health Technology Management & Health Innovation in Cajamarca, Peru
Ghana	138	George Boadu	Medical Equipment Procurement Practice and Maintenance Mismatch
Italy	146	Eliana Monaco, Federica Miola, Stefano Bergamasco, Ilaria Sirolich, Roberto Belliato and	Clinical deficiencies by Notified Body on MD Technical Documentation under Regulamentation (EU) 2017/745
Italy	147	Milos Ajcevic, Francesco Bassi, Giovanni Furlanis, Paolo Manganotti and Agostino Accar-	Home Telemonitoring Solution for Early Post-Acute TIA/Minor Stroke Patients
Italy	159	Mariangela Matano, Lorenzo Leogrande, Giovanni Arcuri and Veronica Bacocco	Re-engineering of the management process of the surgical instrument equipment
Morocco	160	Mohamed Zaki	Supplier selection green model for the healthcare industry in North Africa hybrid approach
Bangladesh	161	Md. Saiful Islam, Shahida Islam Tamanna, Minhajul Abedin and Md Ashrafuzzaman	Infant Mortality and Mothers' Health in Bangladesh : A case Study
Mexico	168	Rafael German Lara-Estrada, Miriam Perez-Acho, Andres Moron-Mendoza, Joaquin Azpiroz-Leehan and Axayacatl Morales-	Accessible Magnetic Resonance Imaging (MRI)

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Nepal	179	Samriddha Rana	Piloting of Photovoltaic (PV) Solution for powering Pressure Swing Adsorption (PSA) Oxygen Plant at Province Hospital, Surkhet, Nepal
Bangladesh	182	Md Saiful Islam, Md. Ariful Islam, Md. Mokhlesur Rahman, Dr. Avijit Basak, Shyam Sundar Shaha and Ropak Chandra Roy	Kidney stones detection based on ultrasound images using MATLAB
Bangladesh	185	Ariful Arif	Ensuring Safe Operation of Autoclaves in Bangladesh
South Africa	192	Sarah McEwan, Saberi Marais and Sudesh Sivarasu	UCvent BPAP Ventilator: A Solution for Respiratory Support in the Pandemic and Post-Pandemic Developing World
Uganda	202	Jonah Wodidi	DEVELOPING A USER-CENTERED MOBILE APPLICATION FOR MEDICAL EQUIPMENT USERS AND ENGINEERS IN UGANDA: OPPORTUNITIES AND CHALLENGES
Rwanda	211	Joseph Habiyaremye, Damien Hanyurwimfura and Desire Ngabo	Design and Development of a wearable device to mitigate infectious disease transmission. Case study: Covid 19
Ethiopia	212	Mulugeta Amene	Health Technology management in Ethiopia
Bangladesh	217	Mohammad Anamul Haque Chowdhury, Md Sharjis Ibne Wadud and Sadia Nawsheen Nijhum	Breaking the PET Barrier: Machine Learning-Enabled Cancer Diagnosis Using Common Features in CT/MRI Imaging

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Lebanon	218	Sandy Rihana	ARTIFICIAL INTELLIGENCE FRAMEWORK FOR COVID19 patients triage
Bangladesh	220	Tasnuba Tabassum Mourin, Rayesa Haque Rupanti, Nawrin Tasnim, Md. Asadur Rah-	Valuation of Biomedical Engineering Professional Practices in Bangladesh through Comprehensive Survey: a Dire Demand for Certification and Creden-
Italy	223	Federico Sternini, Noemi Conditì, Alice Ravizza and Filippo Molinari	Explainability for the European Medical Device Regulatory Framework: Policies for Survival in the Jungle
Benin	234	Hwenude Gountin	OXYLUCK a device to for evaluating the quantity of oxygen delivered to patients.
Argentina	239	Marcelo Horacio Lencina and German Giles	Planning and Coordination with Hospital Architecture
Benin	244	Cosme Agossou Tetede Dotonou, Roland Houessouvo, Patrick Sotindjo and Daton	Synthesis of cardiac signal processing methods for telemedicine
India	247	G Alfred Roger	Pandemic Solutions followed at Government Omandurar Medical College Hospital, Chennai, Tamilnadu, India.
Colombia	249	Gloria Cruz	WOMEN-BABY HUMANIZED HEALTH CARE MODEL

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Canada, Ghana	251	Bill Gentles, Akshay Puli, Martin Poulin, Edward Opoku-Agyemang	Progress Towards an Open-Source Cloud Enabled CMMS for Low Resource Countries
Greece	259	Aris Dermitzakis, Spilios Zisimopoulos and Nicolas Pallikarakis	Implementation and Streamlining of the Medical Equipment Inventorying Process
Rwanda	264	Martin Manzi	THE UNSUNG HEROES - ROLE OF CLINICAL ENGINEERS IN ENSURING POSITIVE PATIENT OUTCOME ESPECIALLY DURING COVID19 PANDEMIC
Venezuela	266	Noel Camilo Castro, Vicente Zuccaro and Ricardo Silva	Reinventing clinical engineering education in the face of uncertainty
Niger	270	Elisha Sanoussi	Network Building for Biomedical and Clinical Engineers in Africa
Nigeria	272	Bukola Esan	Biomedical/Clinical Engineering & Health Technology Management Profession: The Nigeria Perspective
USA	285	Amanda Fronk and Jennifer DeFrancesco	Health Technology Supports and Informs Health Equity: A Case for Leveraging a Critical Lens to Health Data, Analytics and Artificial Intelligence Ethics
USA	292	Eric Rosow	Still “swinging” after all these years...working together for a common goal
Ireland	307	Peter Grainger	Nation Benchmarking of the Clinical Engineer Complimenting National Workforce Planning

5th ICEHTMC – POSTERS

Country	Abstract No.	Authors	Title of Poster
Laos	311	Peter Heimann	Capitalization Development Guidance in the Laos Health System
Thailand	322	Wongwit Senavongse	Pandemic Solutions in the Fight against COVID-19 in Thailand
Ecuador, USA	327	Fred Hosea, Ricardo Silva and Thomas Judd	AI to Enable Clinical Engineering (CE) Global Equipment Support: Proposal for the Development of a Domain Specific Large Language Model (DSLLM) via ChatGPT
India	155	Hermanth Kumar Revalli	A Definitive Framework for the Effective Implementation of Health Technology Management
Netherlands	68	Kitty Siemerink	Introduction of a new asset management system at Amsterdam UMC

AMTZ Kalam Convention Centre (KCC)



AMTZ Exhibition Hall (next door to KCC)

