

Paper ID	Title	Track Code	Session Name (Topic/Theme)	Paper # in Session	Author Names	First Author Country
353	Enhancing Medical Equipment Management through the Implementation of China's	A1	CE Service Delivery I	A1.1	TAI, Tony Chi Wah*; TSE, Lok Him; LI, Julie Shuk Nei	China - Hong Kong
68	Quality and Risk Management System for Medical Equipment in Hospitals	A1	CE Service Delivery I	A1.2	Wang, Shengjun*	China
10	Design and Development of a Regional Medical Imaging Equipment Quality Control	A1	CE Service Delivery I	A1.3	Qin, Zhang*	China
151	Research on Continuous Quality Improvement Project for Reducing Downtime of Linacs	A1	CE Service Delivery I	A1.4	lu, qipeng*	China
328	Closed-loop management of the full cycle of medical equipment asset renewal	A1	CE Service Delivery I	A1.5	luan, xiaoxiao*; tian, yun	China
197	Big Data-Driven Optimization of End-to-End Reagents Supply Chains: A Healthcare Practice	A1	CE Service Delivery I	A1.6	Chong, Cheng*	China
309	Comparative analysis of the functionalities of clinical engineering management software in	A2	CE Information Systems I	A2.1	Darold, Marcella*; Brandão, Mariana	Brazil
156	Inventory and Maintenance Management System for Medical Devices	A2	CE Information Systems I	A2.2	Spahic, Lemana*; Softić, Adna ; Badnjević, Almir;	Bosnia & Herzegovina
135	Design and Development of a Comprehensive Medical Device Lifecycle Management System	A2	CE Information Systems I	A2.3	Wang, Xinxin*; Wang, Shuo; Luo, Weizhe; He,	China
22	Application exploration of medical equipment management scenarios in the metaverse	A2	CE Information Systems I	A2.4	Liu, Xiaochao*	China
329	Construction and Practical Analysis of Information Management System for Full	A2	CE Information Systems I	A2.5	luan, xiaoxiao*	China
360	Digital Management of Maintenance Work Orders for a health center in Peru	A2	CE Information Systems I	A2.6	Caytano Melendez, Alexys*; Cieza, Leslie	Peru
53	Reduction of Non-Quality Costs Associated with Medical Equipment Use Errors at Clínica	A3	CE General Management I	A3.1	Muñoz, Karent*	Colombia
215	Comparative Study of Medical Device Price System and Drug Price System	A3	CE General Management I	A3.2	Xuebin, Chen*	China
173	Advanced Software for Budget Management and Strategic Analysis in Clinical Engineering	A3	CE General Management I	A3.3	Montero de Espinosa Alés, Javier*; Sanmartín	Spain
21	Deepseek Clinical application analysis of orthopedic diagnostic and treatment	A3	CE General Management I	A3.4	Liu, Xiaochao*	China
330	Medical Equipment Management System-Driven Digital-Intelligent Inventory Model: A	A3	CE General Management I	A3.5	luan, xiaoxiao*; tian, yun	China
392	Construction of an Evaluation Index System for Intelligent Quality Control Devices of Multi-	A3	CE General Management I	A3.6	Zhāng, Jǐnhuá; Zhào, Jīng*	China
125	Major Medical Equipment Dashboard: An Analytical Model for Technology Governance	A4	CE Information Systems II	A4.1	Mantione, Rocco*; Puleo, Greta	Italy
131	HTM framework - Closing the Information Gap and the National Health Data Strategy.	A4	CE Information Systems II	A4.2	Khalaf, Abdelbaset*	Canada
321	Implementation of a Unified Medical Equipment Management and Vigilance	A4	CE Information Systems II	A4.3	Zisimopoulos, Spilios*; Daskalaki, Anastasia;	Greece
372	Information System for the Evaluation and Prioritization of Biomedical Equipment	A4	CE Information Systems II	A4.4	IDRISSOU, Moubarack Aya Yao*; Houessouvo,	Benin
331	Digital Transformation of Medical Equipment Budget Management for High-Quality	A4	CE Information Systems II	A4.5	luan, xiaoxiao*; tian, yun	China
67	Strategic Management for Decision-Making in Medical Technology Investments: A Model for	A4	CE Information Systems II	A4.6	Muñoz, Karent*	Colombia
193	Spare Part Availability Management Strategy HTM at KSMC Experience	A5	CE Service Delivery II	A5.1	Almushiti, Abdulmajeed	Saudi Arabia
361	Optimizing Radiotherapy Services at CREO through Internal Staff Engagement in Linear	A5	CE Service Delivery II	A5.2	Perez, Maria Flores*; Caverro, Juan Zavaleta;	Peru
376	Issue of Laboratory Equipment Maintenance at the University of Abomey-Calavi	A5	CE Service Delivery II	A5.3	HOUESSOUVO, Codjo Roland; AGBALO, Kémélé	Benin
191	Revolutionizing Healthcare Technology Management by Harnessing 3D Printing	A5	CE Service Delivery I	A5.4	Alshuthaili, Salem*	Saudi Arabia
393	Feasibility Analysis Between Preventive and Corrective Maintenance in Endoscopy	A5	CE Service Delivery II	A5.5	Gonçalves, Alexandre*; Vieira, Fernanda de	Brazil
317	3D Printing for Medical Equipment Agility and Sustainability in Maintenance	A5	CE Service Delivery II	A5.6	Santos, Anderson *	Brazil
408	Artificial Intelligence to support Clinical Engineering CMMS for automated	A6	CE Data & AI	A6.1	Cravero, Silvio*	Italy
369	Development of an Intelligent Mobile Application for Visual Inventory of Biomedical	A6	CE Data & AI	A6.2	IDRISSOU, Moubarack Aya Yao*; Houessouvo,	Benin
397	Development of a Web-Based System to Structure and Manage Biomedical Equipment	A6	CE Data & AI	A6.3	Marquina, Marco Castillo*; Huane, Leslie	Peru
367	Intelligent Decision Support Systems for Hospital Technical Management	A6	CE Data & AI	A6.4	KINNOUEZAN, Chams Deen Ayinla*;	Benin
373	Contribution of Artificial Intelligence to the Maintenance of Laboratory Equipment at the	A6	CE Data & AI	A6.5	HOUESSOUVO, Codjo Roland; AGBALO, Kémélé	Benin
366	Towards CMMS 4.0: Digital Transformation of Biomedical Services in Hospital Settings	A6	CE Data & AI	A6.6	KINNOUEZAN, Chams Deen Ayinla*;	Benin
380	Guide to the Strategic and Responsible Management of Medical Equipment	A7	CE General Management II	A7.1	Ledesma Aguilar, Jose Ramon*	Spain
186	Developing a MCDM Tool for the Comparative Assessment of Medical Devices	A7	CE General Management II	A7.2	Mashaabi, Rian*; Nour, Majid; Hussain,	Saudi Arabia

385	Proposition on Hospital Asset Management: An Electronic Solution to Prevent Loss of	A7	CE General Management II	A7.3	Borges, Pedro*	Brazil
55	Comprehensive Strategies in Biomedical Metrology Focused on Patient Safety	A7	CE General Management II	A7.4	Muñoz, Karent*	Colombia
348	Technology Observatories as a Supporting Tool for Health Technology Management	A7	CE General Management II	A7.5	Darold, Marcella*; Brandão, Mariana;	Brazil
270	Development and Implementation of a Medical Equipment Failure Report	A7	CE General Management II	A7.6	Zavala , Alejandro*	Argentina
250	Healthcare Technology Foundation – Little Steps To Big Impact	B1	HT Innovation & Impact	B1.1	Clark, Dan*	UK
13	Quantitative Rapid Diagnostic Test (qRDT)	B1	HT Innovation & Impact	B1.2	Silva, Ricardo*; Mulay, Anagha; Sivertsen, Clas;	USA
109	AI-Powered GPS-Enabled Smart Wristbands for Patient Navigation and Nationwide Health	B1	HT Innovation & Impact	B1.3	Alfred, Roger G	India
395	The OntoNova Prototype for AI-guided Design Platform for Healthcare Innovation	B1	HT Innovation & Impact	B1.4	Hosea, Fred*; Aasman, Jans; DeBellis, Michael	Ecuador
6	Innovative Trial Designs Using Tele-Holter Monitor To Meet Global Cardiovascular Risk	B1	HT Innovation & Impact	B1.5	Galvan, Pedro*; Ortellado, Jose; Benitez,	Paraguay
424	The Impact of Different Implants on Magnetocardiography Signals	B1	HT Innovation & Impact	B1.6	WANG, YUN*; Li, Hailing; Wang, Bo; Li, Meng; He,	China
341	Medical Device Regulation in Israel: A Two-Track Strategy for Early Adoption of	B2	HT Assessment and Evaluation	B2.1	Sheffer, Nadav*	Israel
144	Economic Analysis of New Robotic Surgical Platforms	B2	HT Assessment and Evaluation	B2.2	Picozzi, Paola*, Cimolin, Veronica; Nocco,	Italy
269	Digital Twin Disruptive Development 4 Complex, Congenital Care (3D 4 3C)	B2	HT Assessment and Evaluation	B2.3	Canovas Paradell, Raquel*; Escot Garcia,	Spain
351	Consistency evaluation of the clinical application effect of domestic and imported	B2	HT Assessment and Evaluation	B2.4	Xiong, Wei*; Sun, Fei; Sun, Jing; Feng, Jingyi	China
278	Performance assessment of an oxygen concentrator developed in Peru: a study	B2	HT Assessment and Evaluation	B2.5	Lopez, Andrea*; Huaman, Emilio; Panduro, Luis;	Peru
19	A Comparative Analysis of the Precision of Anterior Segment Measurement and Optical	B2	HT Assessment and Evaluation	B2.6	Anhai, WEI*	China
275	Toward Smart Assistive Mobility: A Digital Twin Framework for Intelligent Rollator	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.1	Chen, Jialin*; Clos, Jeremie; price, dominic;	UK
281	Extended Reality & Machine Learning based Real-Time Endoscopic Procedure For Next	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.2	Manoj, Rishi*; Sreeram, Muthyala Sai; Naik, Suraj;	India
198	Analysis of ventilator alarms based on machine learning	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.3	kai, sun*	China
402	Opportunities and Challenges of Digital Twins for Patient Care	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.4	Sloane, Elliot*; Wickramasinghe, Nilmini	USA
182	TRFC-net: A Deep Learning Solution to Elevate Inexperienced Residents' Trochanteric Region	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.5	Nie, Rui*	China
247	A Probabilistic Diffusion Framework for Detecting Academic Stress-Induced	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.6	Arenas Gonzalez, Weimar*; García, Hernán	Colombia
202	A Review of Pulmonary Tuberculosis Auxiliary Diagnosis Based on Deep Learning	B3	HT Innovation - AI, Digital Twins & Machine Learning	B3.7	zesen, pan*	China
155	ASST Lecco & Artiness leading the cardiovascular revolution	B4	HT Innovation - AI, Machine Learning & VR	B4.1	Squara, Anna*; Marinelli, Paolo; Panzeri, Simone;	Italy
183	The iLSTM model based on the improved starbird optimization algorithm is used for the	B4	HT Innovation - AI, Machine Learning & VR	B4.2	Boliang Q*, Wenjie, Yu; Hongwen, Chen	China
359	DIVING: Diagnostic Immersive Imaging	B4	HT Innovation - AI, Machine Learning & VR	B4.3	Spinosa, Sandro*; De Summa, Marco ; Fusaro,	Italy
166	Research on WeChat Platform Based on HAPA Theory for High Quality Continuity	B4	HT Innovation - AI, Machine Learning & VR	B4.4	shi, weiwei*; gu, xiuwen; liu, lingyu	China
66	Diabetic Retinopathy Screening Telemedicine System Using Hybrid Function	B4	HT Innovation - AI, Machine Learning & VR	B4.5	Ali, Rawia*; Ahmed, Abuelgasim ; Mahmoud,	Sudan
5	A Hybrid Deep Learning Approach for Enhancing Visual Perception in the Blind Using	B4	HT Innovation - AI, Machine Learning & VR	B4.6	H R, Many*; Ullakhan, Asif	India
180	AI-Powered CSF Cytology System:A Clinical Approach for Mitigating Missed Diagnoses in	B4	HT Innovation - AI, Machine Learning & VR	B4.7	Zhang, Lei*; Zhou, Yuxi; Xu, Ying	China
11	Research on a Piezoelectric Acoustic Power Meter for Instantaneous Acoustic Power	B5	HT Innovation - Device Development I	B5.1	wang, sheng geng*	China
299	Development of a Maternal-fetal ECG Simulation System Based on Embedded	B5	HT Innovation - Device Development I	B5.2	WANG, YUSHENG*; zhao, shu	China
216	Development and Application of a Rapid Optical Performance Testing Device for	B5	HT Innovation - Device Development I	B5.3	Liào, Xín*; Lù, Xù; Sù, Línán	China
286	High-end Intelligent Laparoscopic Systems : A Performance Evaluation Study	B5	HT Innovation - Device Development I	B5.4	Huang, Erliang*; Xu, Pan; Yi, Lisha; Feng, Shaoyan;	China
298	A wearable tissue oxygen monitoring device for blood perfusion surveillance in flap	B5	HT Innovation - Device Development I	B5.5	Lu, Ming*	China
377	Design and Production of a Respiratory Flow Controller	B6	HT Innovation - Device Development II	B6.1	GOUDALO, Cédras*; HOUESOOUVO, Roland;	Benin
350	MOSY: "MY OXYGEN SYSTEM" Low-flow oxygen therapy device with automatic FIO2	B6	HT Innovation - Device Development II	B6.2	Cieza Huane, Leslie Yessenia*; Venancio	Peru
161	Robotic Oculomotor Simulator for EEG and EOG based Trigger for Motion Replication of	B5	HT Innovation - Device Development II	B6.3	Manoj, Rishi*; Rani K, Usha; Naik, Suraj; V,	India
280	Silicon chip-based receptor technology with nanomaterials-enhancement for application	B6	HT Innovation - Device Development II	B6.4	Okhai, Timothy*; Snyman, Lukas; Feleni,	South Africa

207	Innovation in Emergency Cardiac Care: Development of an Auto-Working Portable	B6	HT Innovation - Device Development II	B6.5	Al-Hammadi, Husam*	Yemen
356	Implementation of a customized platform for proposal and project management within a	B6	HT Innovation - Device Development II	B6.6	Spinosa, Sandro*; Iachetti, Giulio; De	Italy
300	Bridging the Breast Cancer Care Divide: A Global Review of Diagnostics, Accessibility	B7	HT Assessment & Clinical Studies	B7.1	Manoj, Rishi*; T S, Mohammed Sabeer;	India
225	Preclinical evaluation of a robotic ankle foot orthosis with different actuators for foot drop	B7	HT Assessment & Clinical Studies	B7.2	Govindaraj, Gowri shankar*	India
92	Artemisinin-based and non-Artemisinin-based combination therapies regimen for	B7	HT Assessment & Clinical Studies	B7.3	MANDA KABONGO, Jun*	DRC
123	Serum Leptin and Ghrelin as Biomarkers for Metabolic Syndrome in Zambian Adults with	B7	HT Assessment & Clinical Studies	B7.4	GOMA, CHINDA*	Zambia
162	Clinical Validation and Commercialization Strategies for Beetroot Juice in Managing	B7	HT Assessment & Clinical Studies	B7.5	Tanny, Umme Habiba*; Hossain, Md. Bellal ;	Bangladesh
249	The National Rehabilitation Centre – The role of clinical engineering in a new purpose-built	C1	Health Facility Planning & Design I	C1.1	Clark, Daniel*	UK
425	Enhancing Hospital Accessibility for Blind and Low-Vision Visitors through a Hybrid Indoor	C1	Health Facility Planning & Design I	C1.2	Dermitzakis, Aris; David, Yadin*	Greece
382	Architecture of a cyber-physical system for operating room monitoring	C1	Health Facility Planning & Design I	C1.3	HOUSSOUVO, Codjo Roland*; Kinnouezan , A.	Benin
226	Modern Infection Control Technology and Safe Patient Habitat: Integrated Approaches	C1	Health Facility Planning & Design I	C1.4	HOSSAIN, MD ANWAR*	Bangladesh
314	Ensuring Ultra-Pure Water in Hospital Systems: A Critical Requirement for Patient	C1	Health Facility Planning & Design I	C1.5	Islam Arif, Engr Md. Ariful*	Bangladesh
295	Electromechanical Strategies to Strengthen Infection Control in CSSDs of Bangladeshi	C1	Health Facility Planning & Design I	C1.6	Ahmed, Tanzeel*; Hossain, Md. Anwar;	Bangladesh
112	Exploring New Technologies and Advances in Medical Sterilizers	C2	Health Facility Planning & Design II	C2.1	Wang, Yu*	China
264	A PDCA-Based Strategy for Upgrading Medical Compressed Air Systems in Hospital	C2	Health Facility Planning & Design II	C2.2	Zhang, He*; Zhong , Jingru; Xie, Zizhao;	China
283	Quality Control and Risk Management of Medical Compressed Air Systems	C2	Health Facility Planning & Design II	C2.3	Zhang, He*; Xie, Zizhao; Zhong, Jingru; Wang,	China
381	Implementation of an Intelligent Monitoring System for Pressure and Flow in a Medical Gas	C2	Health Facility Planning & Design I	C2.4	HOUSSOUVO, Codjo Roland*; Moubarack,	Benin
20	Optimizing Multimodal MRI Layouts Dynamic Field Coupling for Safety & Compatibility	C2	Health Facility Planning & Design II	C2.5	Liu, Xiaochao*	China
118	Construction of specialized digital operating room empowered by artificial intelligence	C2	Health Facility Planning & Design II	C2.6	Tang, Liping*; Liao, Zhengbu; Zhou, Rui; Li,	China
54	Implementation of a Clinical Alarm Management Program for Early Detection of	C3	Quality of Care & Patient Safety	C3.1	Muñoz, Karent*	Colombia
259	Alarm Fatigue – A new global survey of the impact on clinical practice and patient safety	C3	Quality of Care & Patient Safety	C3.2	Clark, Dan*; Phillips, JoAnne	UK
81	Current Status and Considerations on the Construction and Application of Perioperative	C3	Quality of Care & Patient Safety	C3.3	qiu, wencong*	China
245	Error study of CBCT registration based on IGR image in the positioning of lung cancer	C3	Quality of Care & Patient Safety	C3.4	Jun, Li*	China
209	Clinical application of fixing device for head diagnosis and treatment	C3	Quality of Care & Patient Safety	C3.5	Xú, Feng	China
243	Study TPS of the absolute dose change on the PD verification results	C3	Quality of Care & Patient Safety	C3.6	Jun, Li*	China
38	Availability and Functionality of Diagnostic Imaging Modalities for Road Traffic Crash	C4	Medical Imaging	C4.1	Bart- Plange, Akofa*; Bour, Bright; Geletu,	Ghana
407	Evaluation of AI Software applied to Mammography Screening	C4	Medical Imaging	C4.2	D'Amato, Maria Federica; Cravero, Silvio*	Italy
409	Rapid AI-Based Echocardiographic Screening Test (Rest): Impact Assessment and	C4	Medical Imaging	C4.3	Orsi, Giorgio*	Italy
153	Artificial Intelligence for Breast Cancer Screening: A Multi-Criteria Decision Analysis	C4	Medical Imaging	C4.4	Beltrami, Anna*; Felicione, Adriano;	Italy
260	Planning & Implementation of a CT Trailer in an Canadian Acute Care Hospital	C4	Medical Imaging	C4.5	Mandot, Payal*; Whillans, Tomas	Canada
273	Preliminary Evaluation of the Energy Consumption of MRI Systems	C4	Medical Imaging	C4.6	Nocco, Umberto*; Pezzillo, Andrea;	Italy
149	Cybersecurity Aftershock: How a Crisis Became a Catalyst at ASST Lecco	C5	Facility-related Interventions	C5.1	Marinelli, Paolo; Panzeri, Simone; Beri, Enrico;	Italy
174	First Spanish Hospital Certified in ISO 27001 for PACS and VNA Systems	C5	Facility-related Interventions	C5.2	Sanmartín Sierra, Jose Domingo*; Montero de	Spain
358	“GREEN” Guided Reduction of Energy for Efficient Nuclear Imaging	C5	Facility-related Interventions	C5.3	Spinosa, Sandro*; De Summa, Marco; Fusaro,	Italy
352	Development of a testing protocol (PMS) for Pulmochip: a medical device that determines	C5	Facility-related Interventions	C5.4	Sifuentes Llatas, Mauricio*; Cieza Huane,	Peru
387	Design and Production of a Carbon Monoxide meter for an incineration facility-COMA	C5	Facility-related Interventions	C5.5	HOUSSOUVO , Roland ; AHOUANDJINOUE , Asaph	Benin
325	Health Technology Management Analysis for Accessibility of Portable Medical Devices in	C5	Facility-related Interventions	C5.6	Brandão, Mariana* , Garcia, Renato	Brazil
163	Electronic Health Records - a new “partnership of trust” and responsibility – the	D1	System Interventions	D1.1	Fitton, Richard P*	UK
160	Designing Safer Systems: A Methodological Framework for Conceptualizing Intelligent	D1	System Interventions	D1.2	Torres, Joao*; Boggio, Catherine; Cama, Melany;	Peru

337	Development of a Medical Device Management Education System Based on the	D1	System Interventions	D1.3	INAGAKI, DAISUKE*	Japan
371	The evaluation of an automated environmental quality control device	D1	System Interventions	D1.4	HOUSSOUVO, Roland C.; CRECEL, Crédo*;	Benin
428	IFMBE CED Working Groups Initiative - framework and progress update	D2	Policy, Discipline & Inclusion	D2.1	Fred Hosea	Ecuador
261	Exploration of Opportunities, Challenges and Paths for the Development of Clinical	D2	Policy, Discipline & Inclusion	D2.2	Zhèng, Jiāxīn*; Lù, Hèqíng	China
164	Approaches to Building a Discipline of CE: From Research-Driven Professional	D2	Policy, Discipline & Inclusion	D2.3	Li, bin*	China
271	The Role of the International Federation for Medical and Biological Engineering and China	D2	Policy, Discipline & Inclusion	D2.4	Calil, Saide*; David, Yadin	Brazil
100	Procurement of Medical Devices and in the Age of Rapid Technological Advancement	D2	Policy, Discipline & Inclusion	D2.5	Alfred, Roger G*	India
349	Necessity to build awareness universities in lower resource countries like Bangladesh	D2	Policy, Discipline & Inclusion	D2.6	-Amin, Al; Md. Anwar , Hossain*	Bangladesh
99	Artificial Intelligence on Clinical Engineering: Redefining the Body of Knowledge and	D3	Training & Education for Next-Gen CE	D3.1	Martinez-Licona, Fabiola*; Martinez-	Mexico
95	Innovative Training Model for Clinical Engineering Education: The Tshwane	D3	Training & Education for Next-Gen CE	D3.2	Okhai, Timothy*	South Africa
354	Translating Clinical Simulation Methodology into Biomedical Engineering Training	D3	Training & Education for Next-Gen CE	D3.3	Cieza Huane, Leslie Yessenia*; Mautino	Peru
344	From Access to Action in Leveraging Virtual Learning to Enhance Health Technology	D3	Training & Education for Next-Gen CE	D3.4	Felix, Jn Claude *	Haiti
213	The Essential Role of On-Demand AI Tutors for Clinical Engineers in Advancing Healthcare	D3	Training & Education for Next-Gen CE	D3.5	Silva, Ricardo*; Bustos, Thomas; Ortiz-Pelaez,	Spain
158	Active Listening as a Transformational Tool for Technical Training in Clinical Engineering: The	D3	Training & Education for Next-Gen CE	D3.6	Moreira Simionato, Filipe*; Venancio Soares,	Brazil
157	Automated Performance Prediction for Mechanical Ventilators and Anaesthetic	D4	Quality Assurance & Patient Safety	D4.1	Dlakić, Velid; Spahic, Lemana*; Gurbeta	Bosnia & Herzegovina
374	Alarm management on medical equipment in intensive care rooms : neonatology, operating	D4	Quality Assurance & Patient Safety	D4.2	HOUSSOUVO, Codjo Roland; AGBALO, Kêmlélé	Benin
252	Definition of a Laboratory Equipment Management Strategy	D4	Quality Assurance & Patient Safety	D4.3	SOROHEYE, Pascal*	Benin
277	Research on Quality Control of Reprocessing for Medical Flexible Endoscopes	D4	Quality Assurance & Patient Safety	D4.4	Bai, Pengkai*; Huang, Zumin; Xie, Hai; Chhu,	China
340	Impact of device age on phototherapy performance for the treatment of neonatal	D4	Quality Assurance & Patient Safety	D4.5	Anderson, David *; Wellington, Van;	Ghana
375	The development of a quality control device for the wavelength of light emitted by lamps	D4	Quality Assurance & Patient Safety	D4.6	Houessouvo , C. Roland GANDONOU , Colombe*;	Benin
413	Membership in Global Clinical Engineering Alliance	D5	Women in CE: Inclusion & Impact	D5.1	Wear, James*	USA
27	Bridging the Gap: Female Clinical Engineers and the Path to Gender-Inclusive Industry	D5	Women in CE: Inclusion & Impact	D5.2	Yang, Fang*	China
323	Social Media for the democratization of knowledge and accessibility in Clinical	D5	Women in CE: Inclusion & Impact	D5.3	Brandão, Mariana*; Ferreira, Sonia	Brazil
40	Women in Clinical Engineering	D5	Women in CE: Inclusion & Impact	D5.4	Zaman, Nata*	UK
391	Growing Together: Enriching the Experience of Young Engineers in Kuwait	D5	Women in CE: Inclusion & Impact	D5.5	Al-Awadhi, Hanan*	Kuwait
219	Unique Contributions of Women in Medical Physics and Biomedical Engineering: Breaking	D5	Women in CE: Inclusion & Impact	D5.6	Mank'aa, Ambesi *; Njimbong, Bih Jasmibe;	Cameroon
26	Engineering Leadership in Global Alliance: Cultivating Generation of C.E. for Worldwide	D6	CE Societies, Alliances & Strategy	D6.1	David, Yadin*	USA
137	The project of clinical engineering development strategy in Poland	D6	CE Societies, Alliances & Strategy	D6.2	Ewa Zalewska	Poland
312	Activities and Achievements of the Japan Association for Clinical Engineers' Industry-	D6	CE Societies, Alliances & Strategy	D6.3	KATO, HIROSHI*	Japan
103	The Role of Clinical Engineering Societies in Advancing Africa's Health Technology	D6	CE Societies, Alliances & Strategy	D6.4	Irorobeje, Emmanuel*	Nigeria
311	Biomedical Engineering Education, Career Paths and Manpower Development in Sub-	D6	CE Societies, Alliances & Strategy	D6.5	Emmanuel Enyi	Nigeria
338	Founding the First Biomedical Engineering Society of Afghanistan	D6	CE Societies, Alliances & Strategy	D6.6	Karim, Maria*; Majrooh, Dr Wahid; Abdul Rauf,	Afghanistan
411	The Profile of the Clinical Engineer in Brazil	D6	CE Societies, Alliances & Strategy	D6.7	Gama, Ana*	Brazil
93	Are we doing enough to develop global clinical engineering capacity	D7	Credentialing & Accreditation for Global CE	D7.1	David, Yadin*	USA
52	Global Biomedical Engineering Program (GBEP): Establishing Standardized Career	D7	Credentialing & Accreditation for Global CE	D7.2	Alsohime, Omar*	Saudi Arabia
237	Professional Credentialing and Accreditation of Biomedical Engineers in Thailand: A Two-	D7	Credentialing & Accreditation for Global CE	D7.3	Senavongse, Wongwit*	Thailand
32	Clinical Engineering Accreditation; The way forward for a quality Health Technology	D7	Credentialing & Accreditation for Global CE	D7.4	Al Fadel, Hashem*	Jordan
222	Global Clinical Engineering Accreditation Program	D7	Credentialing & Accreditation for Global CE	D7.5	Alam, Adeel; Al Fadel, hashem*; Ngoie, Jean;	Jordan
16	GCEA Global CE Accreditation Program and Digital Health	D7	Credentialing & Accreditation for Global CE	D7.6	Thomas Judd	USA

105	Clinical Engineer's Role in Hospital Disaster	E1	Preparedness Challenges	E1.1	Wear, James*	USA
265	Risk management, regulations and disaster preparedness	E1	Preparedness Challenges	E1.2	Matamoros, Freddy*	Ecuador
414	Tailoring a "full BLS4" hospital for the management of Highly Hazardous Pathogens-	E1	Preparedness Challenges	E1.3	Orsi, Giorgio*	Italy
284	Expanding the Role of Clinical Engineers: Enhancing Home Medical Device Safety and	E1	Preparedness Challenges	E1.4	Ichiko Watanabe	Japan
320	Survey on the Preparedness of Hospitals and Welfare Shelters for Power-Dependent	E1	Preparedness Challenges	E1.5	Hirayama, Takahiro*	Japan
17	From Crisis to Renaissance; Biomedical Engineers and the Revival of Hemodialysis	E1	Preparedness Challenges	E1.6	Eisa Idris , Badria*; Esmail, Mohammed	Sudan
302	Development of a Self-Audit and Regulatory Tool for Health Facilities Administering	E2	Medical Oxygen Challenges	E2.1	Bukhari, Tazeen*	Pakistan
399	Strengthening Oxygen Supply Systems in Small Island Healthcare: A Case for Onsite	E2	Medical Oxygen Challenges	E2.2	Judd, Thomas*; Charles, Kenecia	USA
287	Medical Oxygen infrastructure project in Kenya	E2	Medical Oxygen Challenges	E2.3	Anyango, Philip*; Ndaga, Angela	Kenya
217	New Dawn for Oxygen at the Last Mile: How Oxygen as a Service is Transforming Rural	E2	Medical Oxygen Challenges	E2.4	Rugut, Joseph*	Kenya
220	Increasing Access to Medical Oxygen in Remote Areas in Uganda	E2	Medical Oxygen Challenges	E2.5	Piwun, Solomon*	Uganda
175	Monitoring Water Levels in Humidifier Bottles during Oxygen Therapy	E2	Medical Oxygen Challenges	E2.6	Nansereko, Maria Regious*	Uganda
210	Pul Alliance and GCEA: Partners in Digital Transformation for the Last Mile	E3	CE/HTM LMIC Innovations	E3.1	Judd, Thomas*; Kohli, Manish	USA
276	Indigenous capacity building in healthcare technologies in resource-scarce countries -	E3	CE/HTM LMIC Innovations	E3.2	Rabbani, Khondkar*	Bangladesh
24	Effect of preventive maintenance of medical equipment in maternity and neonatal units in	E3	CE/HTM LMIC Innovations	E3.3	Mwumvaneza, Jean Claude*	Rwanda
61	Designing a containerized Public Health laboratory solution for Madagascar Ministry	E3	CE/HTM LMIC Innovations	E3.4	Di Virgilio, Valerio*; Figueroa Garcia, Cecil	Italy
263	Bubble Continuous Positive Airway Pressure (CPAP) device for remote areas with	E3	CE/HTM LMIC Innovations	E3.5	Bah, Cherno *	Gambia
394	Pulpi: A Pediatric-Specific ECG Monitoring Innovation to Bridge Gaps in Clinical	E3	CE/HTM LMIC Innovations	E3.6	Unsihuay, Nicole*; Mautino, Maria; Robles,	Peru
227	Community-Based Medical Device Management System for Healthcare Facilities	E4	CE/HTM Challenges in LMICs	E4.1	Mank'aa, Ambesi *	Cameroon
282	Clinical Engineering & Health Technology Management in Low-Resource Regions: An	E4	CE/HTM Challenges in LMICs	E4.2	HOSSAIN, MD ANWAR*	Bangladesh
304	Relationship between Quality Defects Identified Through Visual Inspection and	E4	CE/HTM Challenges in LMICs	E4.3	Flores de Barriere, Karina Lucia*	El Salvador
398	The Critical Role of Timely Repair of Medical Equipment in Enhancing Healthcare Delivery	E4	CE/HTM Challenges in LMICs	E4.4	Ashrafuzzaman, Md.*; Hassan, Md Tanjir; Sarka,	Bangladesh
185	Healthcare Technology Management in Kenya: Case Study, Pumwani Maternity	E4	CE/HTM Challenges in LMICs	E4.5	MWAURA, SALOME*	Kenya
336	Establishing Clinical Engineering Solutions in Resource-Scarce Settings: The Case of	E4	CE/HTM Challenges in LMICs	E4.6	Chiponde, Kondwani*	Malawi
370	Publication of the first edition of a "Handbook of biomedical procedures for low-resource	E5	HTM Lifecycle Challenges	E5.1	Delaspre, Clarisse; Leduby, Jo; Ligot, Benoît-	France
403	Managing Donated Medical Equipment in LMICs: Towards Sustainable Use, Local	E5	HTM Lifecycle Challenges	E5.2	Alooh, Millicent*	Kenya
98	Institutional Networking and Pull Procurement Among Teaching Hospitals to	E5	HTM Lifecycle Challenges	E5.3	Boadu, George*	Ghana
122	Calibration of Medical Equipment - Why is it Critical?	E5	HTM Lifecycle Challenges	E5.4	Mbakah, Symon*	Kenya
106	Improving Electrical Safety of Medical Devices in Operating Rooms in Low-Resource Settings:	E5	HTM Lifecycle Challenges	E5.5	Adjimehossou. Eudes	Togo
251	Smart Decommissioning: A Circular Economy Approach to Medical Equipment Lifecycle	E5	HTM Lifecycle Challenges	E5.6	Ahmad, Mohiuddin*; Ahmad, Maruf; Ahmad,	Bangladesh
29	Beyond Transaction Procurement: Building Sustainability and Trust through End-User	E6	HTA Challenges in LMICs	E6.1	Kafle, Smriti*; Virgilio, Valerio Di ; Kouemo,	Nepal
62	Sustainable Procurement Strategies for Medical Devices	E6	HTA Challenges in LMICs	E6.2	Di Virgilio, Valerio*	Italy
365	Review of the global Inequities GAP in Health Technology Assessment Research Through a	E6	HTA Challenges in LMICs	E6.3	Brice, Dassaëve *	Haiti
339	Health Technology Innovation and Evaluation in Low and Middle Income Countries'	E6	HTA Challenges in LMICs	E6.4	Nampeera , Faith*	Uganda
63	The Role of Needs Assessment in Sustainable Medical Equipment Procurement in LMICs	E6	HTA Challenges in LMICs	E6.5	Di Virgilio, Valerio*	Italy
422	Enhancing Equity, Access and Sustainability in Health Systems through Patient and	E6	HTA Challenges in LMICs	E6.6	Mueller, Debjani*; Poluta, Miladen	Germany
211	Clinical Engineering's Emerging Role in LMIC Digital Health Transformation	E7	Quality of Care Strategies	E7.1	Judd, Thomas*; Kohli MD, Manish	USA
102	Bridging The Gap Of Health Diagnosis Services in Low and Middle Income Countries Through	E7	Quality of Care Strategies	E7.2	Galvan, Pedro*; Servin, Santiago; Ortellado, Jose;	Paraguay
130	Development of a low-cost quality assurance platform for diagnostic ultrasound probes	E7	Quality of Care Strategies	E7.3	Adhikari, Adhikari*; Arjan Knulst; Camps, Toke	Nepal

235	Health Technology and Digital Health in Central Asia	E7	Quality of Care Strategies	E7.4	Judd, Thomas*; Kohli MD, Manish; Sultanov, Talant	USA
279	Software-Related Failures in PC-Based Medical Devices: A Multidisciplinary Study	E7	Quality of Care Strategies	E7.5	ISLAM, MD *	Bangladesh
390	Transcription of Medical Corpus with West African Accents	E7	Quality of Care Strategies	E7.6	KEKE, Mahuvivi Turibio*; Houessouvo, C. Roland;	Benin
427	GCEA joining Global Interoperability Implementation	F1	Digital Health & Connected Devices	F1.1	Todd Cooper	USA
429	International Interoperability Standards	F1	Digital Health & Connected Devices	F1.2	Maurizio Rizzeto	Italy
165	Connected Devices: Usefulness, Complexity, & Challenges	F1	Digital Health & Connected Devices	F1.3	Liu, KaMan*; Cohen, Ted	USA
31	Serving the Last Mile Patients with Digital Health	F1	Digital Health & Connected Devices	F1.4	Judd, Thomas*; Shirke, Mahesh	USA
57	Health Wearable Devices as foundational technology for healthcare	F1	Digital Health & Connected Devices	F1.5	Gonzalez, Nestor*	Mexico
141	Barriers and Breakthrough Paths in the Promotion of Home Nursing Technologies	F1	Digital Health & Connected Devices	F1.6	liao, yuan*	China
248	Translational Telemedicine for Indigenous Health: A Community-Centered Approach in	F1	Digital Health & Connected Devices	F1.7	Arenas Gonzalez, Weimar*; Garcia, Hernán	Colombia
132	Future-Proofing Connected Devices for a Connected Health Ecosystem, with Standards-	F2	AI, IoT & Future of HTM	F2.1	Silva, Ricardo*; Williams, Lloyd; Ayyagari, Aditya	USA
51	Artificial Intelligence in Medical Imaging Technology Research in China: An	F2	AI, IoT & Future of HTM	F2.2	Junhao, Dai*	China
324	Application of IoT Technology in Medical Equipment Quality Control and Risk	F2	AI, IoT & Future of HTM	F2.3	Zhou, Yunhao; Huang, Xin; Li, Jing; Zhang, Nan*	China
172	Real-Time IoT (Internet of Things) Monitoring in Medical Equipment	F2	AI, IoT & Future of HTM	F2.4	Aleid, Jihan*	Saudi Arabia
313	IoT-Enabled Virtual Sharing Framework for Medical Equipment in Multi-Campus	F2	AI, IoT & Future of HTM	F2.5	Zhang, He*	China
346	IoT-based Intelligent Management System for Operating Room Medical Equipment: A	F2	AI, IoT & Future of HTM	F2.6	Zhang, He*	China
289	AI-Enhanced Digital Transformation in Elderly Care: A Practical Implementation Plan and	F3	AI for Improved & Safer Patient Care	F3.1	WATANABE, ICHIKO*	Japan
357	Patient Engagement App: An AI-Powered Digital Healthcare Assistant	F3	AI for Improved & Safer Patient Care	F3.2	Spinosa, Sandro*; De Summa, Marco; Fusaro,	Italy
262	A Next-Generation Integrated Digital Health Ecosystem Empowered by AI, Cybersecurity,	F3	AI for Improved & Safer Patient Care	F3.3	J, Rohith*	India
150	Development of a Low-Cost Telehealth Monitoring System for Bedridden Patients	F3	AI for Improved & Safer Patient Care	F3.4	Mohktar, Mas Sahidayana*	Malaysia
12	An ethical framework for AI-CDSS	F3	AI for Improved & Safer Patient Care	F3.5	Silva, Ricardo*	USA
401	Investigation Methods when Intelligent Devices or AI are Involved in Patient Injury or	F3	AI for Improved & Safer Patient Care	F3.6	Sloane, Elliot*; Silva, Ricardo; David, Yadin	USA