

Workshop on the importance of metrology and traceability in drug delivery devices

Organized by
 EMPIR Project – MeDDII – Metrology for drug delivery partners

1st day - Traceability, application and use of drug delivery devices

Date: 23 of November 2022 (start at 10 a.m.) – (end at 16 p.m.), CET
 Online

Time slots for speakers include 20 minutes presentation and 10 minutes for discussion/questions

Start time	Presentation title	Speaker, Company, Country
Module I	Traceability	
10:00	Introduction and impact of project MeDDII	Elsa Batista, IPQ, Portugal
10:30	Main technical accomplishments of project MeDDII	Hugo Bissig, METAS, Switzerland
11:00	Evaluation of infusion pumps using the new AAMI TIR101 Methods	Robert Butterfield, US
11:30	Break	
Module II	Quality assurance	
11:45	Manufacturer perspective of the use of Metrology in drug delivery devices development and characterization	Ian Cloke, BD Research Center, Ireland
12:15	The importance of hospital maintenance of drug delivery devices	Nuria Moreira, ATM, Portugal
12:45	Quality management and Metrology as tool for improvement of drug delivery accuracy in hospitals - CHP	Silvia Moutinho, CHP, Portugal
13:15	Lunch	
Module III	User safety	
14:15	Challenges of clinical care in infusion therapy in neonatal and pediatric care; where can metrology help and how?	Erik Koomen, UMCU, The Netherlands
14:45	End users and their role in the drug delivery devices innovation chain	Maria João Jacinto, Nova SBE, NMS and Patient Innovation, Portugal
15:15	Discussion	
16:00	<i>End of the 1st day workshop</i>	

2nd day - Technical outcomes and challenges of EMPIR project Metrology for Drug Delivery II – MeDDII Final Meeting (M42)

Date: 24 of November 2022 (start at 10 a.m.) – (end at 16 p.m.), CET Online

Start time	Presentation title	Speaker, Company, Country
10:00	Project MeDDII	Elsa Batista, IPQ, Portugal
10:30	Development of metrology infrastructure for ultra-low flow rates -	Chris Mills, NEL, United Kingdom
11:00	In-line measurement of the physical and thermodynamic properties of single and multicomponent liquids	Hugo Bissig, METAS, Switzerland
11:30	Break	
11:45	Development calibration procedures of drug delivery devices	Anders Niemann, DTI, Denmark
12:15	Development of a microchip pump	Vania Silvério, INESC-MN, Portugal
12:45	<i>Lunch</i>	
13:45	Design and characterisation of a multi-infusion system	Annemoon Timmerman, UMCU, The Netherlands
14:15	Creating impact	Elsa Batista, IPQ, Portugal
14:45	Final steps and discussion	All
16:00	End of workshop	