



## 25<sup>th</sup> ESPACOMP: International Society for Medication Adherence

### Program 2021

2021 Agenda at a glance:

November 2021						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	2 16:00-18:00 CET Adherence Data Analysis Workshop Session 2	3 16:00-18:00 CET Implementation Science Workshop Session 1	4 15:00-18:00 CET Discrete Choice Experiment Workshop	5	6	7
8 15:30-16:00 CET Opening Session ESPACOMP 2021  16:00-17:00 CET Keynote Lecture: "The John Urquhart Annual Memorial Lecture"	9 16:00-17:30 CET Plenary session 1: "Analysis of Organizational Models to Respond to the Pandemic"	10 16:00-17:30 CET Symposium: ESPACOMP- ENABLE	11	12 16:00-17:30 CET Paper Presentation session ( <i>day 1</i> )	13	14
15	16 16:30-17:30 CET Industries Round Table	17 16:00-17:30 CET Paper Presentation session ( <i>day 2</i> )	18 15:00-16:00 CET ESPACOMP Early Career Research Network  16:00-17:30 CET Paper Presentation session ( <i>day 3</i> )	19 16:00-17:30 CET Plenary session 2 Sustainability of Interventions  17:30-18:00 CET Closing Session	20	21
22	23	24 16:00-18:00 CET Implementation Science Workshop Session 2	25	26	27	28

Monday, November 8: Opening Session & Keynote Lecture “The John Urquhart Annual Memorial Lecture”

15:30-16:00 CET

**Opening Session**

**Speaker:** Enrica Menditto, University of Naples Federico II, President ESPACOMP 2021, Italy

16:00-17:00 CET:

**Keynote Lecture: “The John Urquhart Annual Memorial Lecture”**

**Title:** *Medication adherence: an eclecticist’s perspective*

**Moderator:** Enrica Menditto, University of Naples Federico II, Italy

**Speaker:** **Dyfrig Hughes**, Professor of Pharmacoeconomics and Director of research at the School of Medical and Health Sciences at Bangor University, north Wales, UK. Honorary professorship at the Department of Molecular and Clinical Pharmacology, University of Liverpool, and visiting professorship at the University of Turin.

**Description of the presentation**

For all the advances in pharmacology and the armamentarium of treatments available to alleviate, manage, and cure diseases, medicines can only be effective if taken appropriately. Human behavior plays a large part in the effectiveness of medicines. Whether or not patients are adherent, may depend on their beliefs, their cognition, their medical and social contexts, and their health care settings, amongst other factors. Concerns about medicines and difficulties in taking them regularly, whether intentional or unintentional, are commonplace: most patients are non-adherent most of the time. Medication adherence research can therefore be challenging from several perspectives. It transects many disciplines, from health psychology to pharmaceuticals, pharmacometrics to clinical pharmacology. Added to which, are the innumerable difficulties in identifying and measuring adherence, predicting patients who may be more susceptible to non-adherence, and developing interventions that improve health outcomes. This presentation will reflect on the challenges encountered over the course of 20 years of research and make specific reference to case studies that have illuminated (or perhaps obscured) pathways for advancing interdisciplinary approaches to medication adherence research.

Tuesday, November 9: Plenary session 1

16:00-17:30 CET

**Title:** *Analysis of Organizational Models to Respond to the Pandemic*

**Moderator:** Bernard Vrijens, University of Liege, CEO, AARDEX Group, Belgium

#### Description of the session

The management of Coronavirus outbreak has been different country to country due to epidemiological, technological, economic, and social reasons. Prof. Cicchetti will describe the case of those countries, such as Italy, where there is a National Health System, Regional-Based, and the response to coronavirus has been followed different models associated with different result. Prof. Ian Kronish will describe the rationale, design, and implementation of two telemedicine initiatives at Columbia University Irving Medical Center that took place during the pandemic. Opportunities and challenges of implementing remote patient monitoring into routine clinical care and potential impacts on medication adherence will be highlighted throughout the presentation.

#### Speakers

- **Title: Organizational model to respond to the pandemic: the Italian case**  
**Americo Cicchetti**, Professor of Healthcare Management at Cattolica University, Faculty of Economics. Director of the Graduate School of Health Economics and Management (ALTEMS). Rome, Italy.
- **Title: Implementing Remote Patient Monitoring during the COVID Pandemic**  
**Ian M. Kronish**, Florence Irving Associate Professor of Medicine and Associate Director of the Center for Behavioral Cardiovascular Health at Columbia University Irving Medical Center. NY, USA.

Wednesday, November 10: ESPACOMP-ENABLE Symposium

16:00-17:30 CET

#### Description of the session

The ESPACOMP-ENABLE Symposium will bring together relevant policymakers, practitioners and researchers of the International society For medication adherence (ESPACOMP) and The COST Action “European Network to Advance Best practices & technoLOGY on medication adherencE” (ENABLE) from around the world. This multidisciplinary Symposium will consider barriers and facilitators regarding the implementation of medication adherence enhancing technologies across different European healthcare systems.

It will be an interactive session with short presentations and response by the panel and the audience

**Moderator:** Prof. Rob Heerdnick, Utrecht University, The Netherlands

**ESPACOMP Panel:** Prof. Dr. Sabina De Geest, University of Basel, Switzerland & KU Leuven, Belgium; Dr. Alexandra Dima, Université Claude Bernard Lyon 1, France; Prof Enrica Menditto, University of Naples Federico II, Italy; Prof. Dr. Bernard Vrijens, University of Liege, CEO AARDEX Group, Belgium

**ENABLE Panel:** Dr. Tamas Agh, Syreon Research Institute, Budapest; Prof. Dr. Ioanna Tsiligianni, University of Crete, Greece; Dr. Job F.m. Van Boven, University Medical Center Groningen; Prof. Dr. Björn Wettermark, Karolinska Institutet, Stockholm

## Friday, November 12: Paper Presentation Session: Adherence Interventions (day 1)

16:00-17:30 CET

**Title:** *Adherence Interventions*

**Moderator:** Prof. Filipa Alves da Costa, University of Lisbon, Portugal

Pilot study of SOIE program for adjuvant endocrine therapy after breast cancer: A 3-months analysis

**Presenter:** Odilon Assan, Univ. Laval, Canada

Management of Medication Adherence across ENABLE COST countries: A Pilot Study

**Presenter:** Sara Mucherino Federico II University of Naples, Italy

Results of the GAMER trial: Gaming for Adherence to Medication using E-health in Rheumatoid arthritis

**Presenter:** Bart Pouls Sint Maartenskliniek and Radboud University, Netherlands

Motivational interviewing to support medication adherence in chronic conditions: systematic review of randomized controlled trials

**Presenter:** Marlène Papus University Hospital of Lyon, University of Lyon, France

Exploring stem cell transplant patients' acceptability and preferences of three medication adherence electronic monitoring systems

**Presenter:** Janette Ribaut University of Basel, Switzerland

## Tuesday, November 16: Industries Round Table

16:30-17:30 CET: Corporate members Round table

**Title:** *Opportunities to Manage Medication Adherence Using Digital Health Solutions*

**Moderator:** Prof. Dr. Todd Ruppert, Rush University College of Nursing, Chicago, USA

16:00-17:30 CET

**Title:** *Factors Influencing Adherence*

**Moderator:** Prof. Marie Paule Schneider, University of Geneva, Switzerland

Experiences of taking HIV pre-exposure prophylaxis amongst men who have sex with men in Wales

**Presenter:** David Gillespie Cardiff Univ., Wales

Adherence to medications and government recommendations among breast cancer women during the COVID-19 pandemic

**Presenter:** Sophie Lauzier Univ. Laval, Canada

Medication adherence and healthcare costs related to Multiple Sclerosis treatment

**Presenter:** Eugenio Di Brino Università Cattolica del Sacro Cuore, Rome, Italy

Gender differences in medication adherence among adolescent and young adult solid organ transplant recipients

**Presenter:** Yulia Vaisbourd McGill Univ., Canada

Differences in Glaucoma Perception and Medication Adherence Among Patients of African and European Descent

**Presenter:** Shervonne Poleon University of Alabama at Birmingham, USA

**15:00-16:00 CET: ESPACOMP Early Career Researchers (ECR) Committee**

**Title:** *ESPACOMP Early Career Researchers (ECR) Committee: Sharing experience and new opportunities*

**Moderator:** Sara Mucherino, University of Naples Federico II, Naples, Italy

**Description of the presentation**

For the first time in ESPACOMP's history, a committee dedicated to the young researchers in the field of medication adherence is established and will be presented with its aims, mission, pillars, and responsibilities: The Early Career Researchers (ECR) Committee. This Network will provide unique opportunities for networking, mentoring and bonding over the common interest of medication adherence research for all Early Career Researchers, from research students to post-docs. The goal is to promote the added value of different backgrounds and research topics to investigated medication adherence, fostering a common field of investigation relying on the use of educational materials developed by ESPACOMP such as The ABC taxonomy, EMERGE guidelines and TEOS framework and General Framework (such as Health Economics). In this event the ECR Committee will also present future plans and next networking events planned.

**Speakers:** Shervonne Poleon, University of Alabama at Birmingham, US; Catarina Bernardo, University of Lisbon, PT ; Angela Andrews, Southern Illinois University Edwardsville, US; Salvatore Pirri, Scuola Superiore Sant'Anna di Pisa, IT; Stijn Hogervorst, Vrije Universiteit Amsterdam, NL

**16:00-17:30 CET: Paper Presentation Session (day 3)**

**Title:** *Paper Presentation Session: Intervention Design Considerations*

**Moderator:** Prof. Dr. Dyfrig Hughes, Bangor University, north Wales, UK

Comparison of different methods to assess tacrolimus intra-patient variability and its relation to medication adherence

**Presenter:** Barbora Kostalova Charles Univ., Czech Republic

Medication Adherence in Registration Trials Supporting the Approval of New Medicines in the European Union

**Presenter:** Katerina Mantila Univ. of Copenhagen, Denmark

Mapping the Cardiometabolic Patient Experience to Inform Initiation, Implementation and Persistent Use of Virtual Healthcare

**Presenter:** Jan Liska Sanofi, France

Managing Medications During the Early Phases of the COVID-19 Pandemic

**Presenter:** Rebecca Bartlett Ellis Indiana University, USA

A qualitative exploration of living with and adhering to medications for multimorbidity

**Presenter:** Louise Foley National University of Ireland Galway, Ireland

**16:00-17:30 CET: Plenary session: Sustainability of Intervention**

**Title:** *Advancing Understanding of the Sustainability of Interventions*

**Moderator:** Prof. Dr. Todd Ruppap, Rush University College of Nursing, Chicago, USA

**Description of the presentation**

There is growing interest in applying implementation science to address the gap between research and practice. Sustained health impact and continued delivery of evidence-based interventions continues to be a challenge across a range of public health and healthcare settings and has been identified as one of the most significant translational research problems we face. This presentation will provide guidance in defining, measuring, and tracking sustainability of interventions, as well as some of the conceptual and methodological considerations in conducting work in this area. Presenters will highlight frameworks and tools available to help plan for sustainability, as well as multilevel factors found to influence sustainability across a range of intervention types and settings. Finally, presenters will discuss examples in the context of clinical care and medication adherence and highlight key opportunities for future research to advance understanding of sustainability.

**Speakers:**

- **Prof. Dr. Rachel Shelton, Columbia University, USA.** She is a social and behavioral scientist with training in cancer and social epidemiology, and expertise in implementation science, sustainability, health equity, and community-based participatory research. She is Associate Professor of Sociomedical Sciences at Columbia University's Mailman School of Public Health, where she is Co-Director of the Community Engagement Core Resource at the Irving Institute for Clinical and Translational Research (CTSA) and leads a university-wide initiative on Implementation Science.
- **Prof. Dr. Liset van Dijk, Nivel Utrecht & University of Groningen, The Netherland.** She is a sociologist who has been working in the field of pharmacy health services research for over 20 years. Liset is research coordinator at Nivel, the Netherlands institute for health services research in Utrecht and honorary professor of pharmacy health services research at the University of Groningen. Currently, she coordinates the Dutch Make-It consortium that focuses on stimulating medication adherence in local living labs.
- **Prof. Dr. Leah Zullig, Duke University, USA.** She is a health services researcher and implementation scientist. She is an Associate Professor in the Department of Population Health Sciences, where she leads INTERACT – the Implementation Science Research Collaborative. She has significant experience leading and collaborating on projects using a range of research methods to implement, adapt, and spread evidence-based interventions and practices.

**17:30-18:00 CET Closing Session**

- Awards
- Next year planning

**Prof. Enrica Menditto**, President ESPACOMP 2021, University of Naples Federico II, Napoli, Italy

**Prof. Dr. Todd Ruppap**, President ESPACOMP 2022, Rush University College of Nursing, Chicago, USA

## Health Care Professional Education

### *HCPs Education*

The educational program is free also this year and consists of video materials (English, Italian and French version) accessible on the main participant webpage, together with the video recordings of the meetings mentioned above and short video recordings of all conference posters

Abstracts accepted as conference posters. Available as short video recordings on the website

Title	Presenter
The perspective of breast cancer women participating in an adherence-enhancing program for adjuvant endocrine therapy	Lauzier Sophie
Evaluating the forgiveness of evolocumab using simulations based on medication adherence data	Pironet Antoine
Patients experiences about real-life electronic monitoring of DOAC adherence in community pharmacies	Silas Rydant
Interventions to improve medication adherence in psychiatric patients: A systematic review and meta-analysis	Loots Elke
Medication self-management in psychiatry: Healthcare providers' and patients' perspectives	Elke Loots
State of the art about the inclusion of medication adherence implications in pharmaco-economic evaluations.	Pirri Salvatore
The HealthBeacon Injection Care Management System shows improved adherence to gastrological, dermatological and rheumatological treatments.	Sharifah Sarhan
Differences in medication adherence between young kidney, liver, and heart transplant recipients	Vaisbourd Yulia
Patients' opinions on hypertension and antihypertensive drugs – a qualitative study	Miriam Qvarnström
Digital-storytelling in health context: innovative approaches to improve patients and caregivers' therapeutic literacy and adherence	Grigolo Sabrina
Characterization of long-term oral anticoagulant adherence trajectories among patients with atrial fibrillation	Shahzad Salmasi
Implementation of Clinical Medication Reviews in the Netherlands	Hugtenburg Jacqueline
Acceptance and adherence to COVID-19 vaccine in a Portuguese Population Survey	Sampaio Rute
Adherence Behaviour Change During COVID-19 Outbreak in Portugal	Midão Luís
Potentially inappropriate prescribing and related costs: results from an educational intervention program in Italy	Sara Mucherino
HIV pre-exposure prophylaxis implementation amongst men who have sex with men in Wales	Gillespie David
Measurement Properties of Existing Patient Reported Outcome Measures on Medication Adherence: A Systematic Review	daniel.blalock



Title	Presenter
Addressing differential medication non-adherence in pragmatic trials with point-treatment settings: a simulation study	Hossain Md. Belal
Frequency of changes in medication intake behavior	Pironet Antoine
Association between reported barriers to medication adherence and electronically monitored adherence in kidney transplant recipients	Carusone LiAnna
Emerging bioanalytical methods for drug monitoring in patients receiving chronic drug therapies: a scoping review	Zijp Tanja
Constructing effective text messages to promote adherence in chronically-ill individuals: A theoretical and practical exploration	Gessl Alessandra
Refining the SPUR tool: interim analysis of UK and French studies	Kevin Dolgin
Development of a checklist to assess adherence barriers to HCV treatment in ambulatory setting	Barbati Selina
Czech language translation of the ABC Taxonomy for medication adherence	Mala-Ladova Katerina
Urine acetyl-Ser-Asp-Lys-Pro measurement as a universal biomarker to assess adherence to angiotensin converting enzyme inhibitors	KABLY Benjamin
A Text-Based Message for Medication Non Adherence utilizing mHealth	Muhammad Amir
Communication and information about non-medical medication switches by the pharmacy team: patient's needs and preferences	Schackmann Laura
Assessing medication adherence to drugs for obstructive airway diseases (ATC R03): an observational study	Armando Lucrezia Greta
Factors associated with the acceptance of breast cancer survivors to use an eHealth support tool.	Goetzingher Catherine
Financial interventions to improve medication adherence: A narrative review	daniel.blalock
Adherence to Cardiovascular Disease Risk Factor Medications among Patients with Cancer: A Systematic Review	Zullig Leah
IMPACT OF ORAL ANTICOAGULANT CLASS ON ADHERENCE IN PATIENTS WITH ATRIAL FIBRILLATION	Shahzad Salmasi
Improving adherence to cardiovascular and diabetes treatments in primary care: pilot of a complex intervention	Carmen Corral-Partearroyo
No hesitancy to vaccination schedule in HIV+ Italian people: a local survey	Marta Guastavigna
Interventions to reduce healthcare costs of potentially inappropriate prescribing: a systematic review of literature	Sara Mucherino
How concern regarding COVID-19 affected general adherence behaviour	Midão Luís
How to clean adherence electronic monitoring data using a semi-automated procedure?	Bandiera Carole
APPROPRIATE DRUG USE INDICATORS: ADHERENCE AND PERSISTENCE TO CHRONIC THERAPIES IN THE EDU.RE.DRUG PROJECT	Oлмаstroni Elena
TRANSLATION OF THE ABC TAXONOMY ON MEDICATION ADHERENCE INTO SPANISH	Victoria Garcia Cardenas

Title	Presenter
A retrospective analysis of real-world data to evaluate the effectiveness of a medication adherence management	Garcia Cardenas Victoria
MEDICATION MANAGEMENT AND ADHERENCE OF PATIENTS WITH CHRONIC DISEASES DURING THE COVID-19 PANDEMIC	Judit Simon
Implications of choosing different imputation methods while inferring about per-protocol effects of sustained treatment strategies	Karim Mohammad Ehsanul
Treatment satisfaction and adherence to medications among chronically ill patients	Natalia Świątoniowska-Lonc
A Study on Impact of Virtual Patient Education on Medication Adherence Among Geriatric Patients	M Ramesh
Studying Topical Adherence in Atopic Dermatitis: What We Can Learn from Positive Outliers	Balogh Esther
Introduction of a smart pillbox in Estonia – the initial feedback from healthcare specialists	Hanna Keidong
Components of a Structured Oral Anti-cancer Medication Program: A Scoping Review of the Literature	Pamela K Ginex
How to implement chemical adherence testing in routine clinical practice	KABLY Benjamin
Adherence to Medication and Refills of Patients with Arterial Hypertension	Marineci Cristina Daniela
Facilitators & Barriers of Medication Adherence Amongst the Geriatric Patients: A Developing Country Scenario	M Ramesh
Drugs for obstructive airway diseases: prescription patterns in two different health-care settings in Piedmont (Italy)	Armando Lucrezia Greta
Measurement during implementation phase by integrating real-time adherence data: dose-weighted composite medication possession ratio (cMPR)	Amanda Bevan
Development of a new hospital medication adherence scale in cardiovascular disorders: The Mascard	Karin Martin-Latry
Digital communication to assess medication experiences: needs and wishes of patients and pharmacists	Vervloet Marcia
Medication adherence among young adults in the non-EU country-implications from a web-based study	Kamberi Fatjona
A pharmaceutical care intervention increased adherence seemingly through an effect on beliefs about medicines	Johansson Östbring Malin
Antibiotic prescription and consumption among adult outpatients in Italy: the EDU.RE.DRUG project	Federica Galimberti
Baseline drug profiles and COVID-19 mortality in Spain and Italy	Bliek Bueno Kevin
Medication adherence in patients treated with ACE inhibitors: a pilot study in Italian community pharmacies	Keber Enrico
The Development and Testing of Social Support Targeted Messages to Enhance Medication Adherence	Sherwin LeeAnne
Researchers' perspectives on outcomes selection in interventional studies targeting adherence: An OMERACT-Adherence study	Shahzad Salmasi
On TRACK – Through Training, Preparation, and Counseling, to Better use of Inhaled Medication	te Paske Roland

Title	Presenter
Dispensing data are inconclusive to detect inadequate real-life implementation of oral anticoagulants: a proof-of-concept analysis	Dietrich Fine
Development and validation of the polish version of "Treatment Satisfaction with Medicines Questionnaire" (SATMED-Q)	Natalia Świętoniowska-Lonc
The impact of knowledge about glaucoma on adherence to therapeutic recommendations among patients.	Malewicz Katarzyna
The ENABLE online repository of medication adherence technologies: early phase results	Nabergoj Makovec Urska
What is in the shadows matters! Antecedents and Self-Efficacy on Adherence	Maffoni Marina
Electronically monitored medication adherence and behavioural patterns of direct oral anticoagulants	Kolmanova Eliska
Medication adherence in patients with hemophilia on prophylaxis born before and after 1960	Bago Martina
Medication adherence among the randomly adult population and the common drugs used	Sinaj Enkeleda
Medication management for non-communicable diseases during the COVID-19 outbreak: a snapshot on the European situation	Tamas Agh
Italian Pharmacists and COVID19: narratives as a tool to describe the experiences during pandemic	Daniela Scala
Sustainability of digital solutions for medication adherence. A free market synopsis.	Siluan Ivan
EUREcA - survey on reimbursement pathways for medication adherence enhancing interventions across Europe: study protocol	Tamas Agh
Improving medication adherence in hypertensive patients: A scoping review	Pinho Simão
Systematic Literature Review on Medication Adherence of Multimorbid Elderly Women	Erdősi Dalma
Implementation of a medication adherence intervention for chronic leukemia patients	Muluneh Benyam
DRUG USE AND HEALTHCARE SERVICES ACCESS IN CHRONIC PATIENTS DURING THE COVID-19 PANDEMIC IN ITALY	Manuela Casula