

SMDM 2023 European Conference Scientific Program

Sunday, 21 May 2023

| START | END | Hall 1 | Hall 2 | Hall 3 | Hall 4 | Hall 5 | Hall 6 | Hall 7 | Hall 8 | |
|-------|-------|--|---|--|--|---|--|---|--------|--|
| 09:00 | 10:30 | <p>SMDM Core Course: Introduction to Medical Decision Analysis (Decision-Analytic Modeling)</p> <p>Course Director: Beate Jahn, <i>UMIT TIROL – University for Health Sciences and Technology, Department of Public Health, Health Services Research and Health Technology Assessment, Austria</i></p> <p>Additional Faculty: Uwe Siebert, <i>UMIT TIROL – University for Health Sciences and Technology, Department of Public Health, Health Services Research and Health Technology Assessment, Austria</i></p> | <p>SMDM Core Course: Introduction to Shared Decision Making and Patient Decision Aids</p> <p>Course Director: Marieke de Vries, <i>Radboud University, Institute for Computing and Information Sciences, The Netherlands</i></p> | <p>An Introduction to Research Prioritization and Study Design Using Value of Information Analysis</p> <p>Course Director: Jeremy D. Goldhaber-Fiebert, <i>Stanford University School of Medicine, Stanford, Department of Health Policy, USA</i></p> <p>Additional Faculty: Natalia Kunst, <i>University of Oslo, Department of Health Management and Health Economics, Norway</i> Anna Heath, <i>The Hospital for Sick Children & University of Toronto, Child Health Evaluative Sciences, Canada</i> David Glynn, <i>University of York, Centre for Health Economics, UK</i></p> | <p>An Introduction to Structural Equation Modeling for Medical Decision Making Research</p> <p>Course Director: Kristen Berg, <i>CWRU and MetroHealth, Department of Medicine, USA</i></p> <p>Additional Faculty: Adam Perzynski, <i>CWRU and MetroHealth, Department of Medicine, USA</i> Douglas Ginzler, <i>CWRU and MetroHealth, Department of Medicine, USA</i></p> | <p>Assessment and Use of Patient-reported Outcome Data for SDM in Medicine with a Special Focus on Oncology</p> <p>Course Director: Berhard Holzner, <i>Department of Psychiatry II, Health Outcomes Research Unit, Austria</i></p> | <p>Improving Health Care Performance Using Lean and the Theory of Constraints (TOC)</p> <p>Course Director: Joseph Pliskin, <i>Ben Gurion University of the Negev; Department of Health Policy & Management, Israel</i></p> | <p>What They Didn't Teach You About Decision Modeling</p> <p>Course Director: John Graves, <i>Vanderbilt University School of Medicine, Department of Health Policy, USA</i></p> <p>Additional Faculty: Shawn Garbett, <i>Vanderbilt University Medical Center, Department of Biostatistics, USA</i></p> | | |
| 10:30 | 11:00 | Tea and Coffee Break | | | | | | | | |
| 11:00 | 12:30 | <p>SMDM Core Course: Introduction to Medical Decision Analysis (Decision-Analytic Modeling) (continued)</p> | <p>SMDM Core Course: Introduction to Shared Decision Making and Patient Decision Aids (continued)</p> | <p>An Introduction to Research Prioritization and Study Design Using Value of Information Analysis (continued)</p> | <p>An Introduction to Structural Equation Modeling for Medical Decision Making Research (continued)</p> | <p>Assessment and Use of Patient-reported Outcome Data for SDM in Medicine with a Special Focus on Oncology (continued)</p> | <p>Improving Health Care Performance Using Lean and the Theory of Constraints (TOC) (continued)</p> | <p>What They Didn't Teach You About Decision Modeling (continued)</p> | | |
| 12:30 | 14:00 | Lunch break (on your own) | | | | | | | | |
| 14:00 | 15:30 | <p>SMDM Core Course: Introduction to Cost-Effectiveness Analysis</p> <p>Course Director: M. Elske van den Akker-van Marle, <i>Leiden University Medical Center, Department of Biomedical Data Sciences, Section Medical Decision Making, Netherlands</i></p> <p>Additional Faculty: H. (Erik) Koffijberg, <i>University of Twente, Department of Behavioural, Management and Social Sciences, Section Health Technology & Services Research, Health Services Research and Health Technology Assessment, Netherlands</i></p> | <p>SMDM Core Course: Introduction to the Psychology of Medical Decision Making</p> <p>Course Director: Olga Kostopoulou, <i>Imperial College London, UK</i></p> <p>Additional Faculty: Martine Nurek, <i>Imperial College London, UK</i></p> | <p>Advanced Computation of Value of Information Measure to Determine Optimal Research Design</p> <p>Course Director: Anna Heath, <i>The Hospital for Sick Children & University of Toronto, Child Health Evaluative Sciences, Canada</i></p> <p>Additional Faculty: Jeremy D. Goldhaber-Fiebert, <i>Stanford University School of Medicine, Stanford, Department of Health Policy, USA</i> Natalia Kunst, <i>University of Oslo, Department of Health Management and Health Economics, Norway</i> David Glynn, <i>University of York, Centre for Health Economics, UK</i></p> | <p>Causal Diagrams, Target Trial Emulation and Causal Inference in Medical Decision Making – Theory and Application in Real World Observational Data and Pragmatic Trials</p> <p>Course Director: Uwe Siebert, <i>UMIT TIROL – University for Health Sciences and Technology, Department of Public Health, Health Services Research and Health Technology Assessment, Austria</i></p> <p>Additional Faculty: Felicitas Kuehne, <i>UMIT TIROL – University for Health Sciences and Technology, Department of Public Health, Health Services Research and Health Technology Assessment, Austria</i> Lara Hallsson, <i>UMIT TIROL – University for Health Sciences and Technology, Department of Public Health, Health Services Research and Health Technology Assessment, Austria</i></p> | <p>When the Patient Cannot Decide for Themselves: Shared-Decision Making in the Setting of Substituted Judgment</p> <p>Course Director: Kathleen Kieran, <i>University of Washington; Department of Urology, USA</i></p> <p>Additional Faculty: Matthew L. Russell, <i>Massachusetts General Hospital, USA</i></p> | | <p>What They Didn't Teach You About Decision Modeling (continued)</p> | | |
| 15:30 | 16:00 | Tea and Coffee Break | | | | | | | | |
| 16:00 | 17:30 | <p>SMDM Core Course: Introduction to Cost-Effectiveness Analysis (continued)</p> | <p>SMDM Core Course: Introduction to the Psychology of Medical Decision Making (continued)</p> | <p>Advanced Computation of Value of Information Measure to Determine Optimal Research Design (continued)</p> | <p>Causal Diagrams, Target Trial Emulation and Causal Inference in Medical Decision Making – Theory and Application in Real World Observational Data and Pragmatic Trials (continued)</p> | <p>When the Patient Cannot Decide for Themselves: Shared-Decision Making in the Setting of Substituted Judgment (continued)</p> | | <p>What They Didn't Teach You About Decision Modeling (continued)</p> | | |
| 17:30 | 19:00 | Poster Session 1 & Welcome Reception | | | | | | | | |

| START | END | Hall 1 | Hall 2 | Hall 3 | Hall 4 |
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| 08:30 | 08:45 | Welcome Remarks | | | |
| 08:45 | 09:45 | Keynote Lecture | | | |
| 09:45 | 10:45 | Top Rated Oral Abstract Presentations Chairs: <i>Stijnje W. Dijk, TBD</i> <ul style="list-style-type: none"> Potential Global Loss of Life Expected Due to Covid-19 Disruptions to Organised Colorectal Cancer Screening, <i>Francine Van Wijfferen</i> Cost-effectiveness of Primary Human Papillomavirus (HPV) Triage Approaches Among Vaccinated Women in Norway: A Model-based Analysis, <i>Allison Portnoy</i> Incorporating Marginalized Populations into HPV Vaccine Modeling: A Systematic Review, <i>Jennifer C. Spencer</i> Sociometric Proof of Concept of a 7 Step Health Achievement Measurement Approach for Neighborhoods, <i>Adam T. Perzynski</i> | | | |
| 10:45 | 11:15 | Tea and Coffee Break | | | |
| 11:15 | 12:30 | Oral Presentations 1B Screening and Testing Decisions Chairs: <i>Jef Van den Ende, Felicitas Kühne</i> <ul style="list-style-type: none"> Risk Stratification in the Context of Cancer Screening: Implications of Constraints on Strata-specific Screening Policies for Efficiency and Equity, <i>James F. O. Mahony</i> Cost-effectiveness Analysis of Population-based Screening for Chronic Obstructive Pulmonary Disease in China, <i>Yiwen Fan</i> A Multisite Randomized Trial of a Veteran-centric Lung Cancer Screening Decision Aid, <i>Marilyn M. Schapiro</i> Long-term Benefits and Harms of Early Colorectal Cancer Screening in German Individuals with Familial Cancer Risk - A Decision Analysis Within Farkor, <i>Gaby Sroczynski</i> Modeling Optimal Stop Ages for Colorectal Cancer Screening Based on Sex, Comorbidity and Screening History, <i>Matthias Harlass</i> | Oral Presentations 1A Communicating Clinical Evidence Chairs: <i>Helmut Sitter, Sibylle Puntschner</i> <ul style="list-style-type: none"> Graphically Represented Medical Information Is Harder to Process and Is Rather Chosen Than Numerically Represented Information, <i>Kevin Tiede</i> Do Physicians Interpret Cumulative Risk Curves Accurately? <i>Wolfgang Gaissmaier</i> The Making Numbers Meaningful Systematic Review of Communicating Health Numbers: Evidence for Communicating Probabilities to Achieve Point-level Tasks, <i>Brian J. Zikmund Fisher</i> Effective Sample Size: a Promising Tool to Communicate Uncertainty in Individual Predictions? <i>Ewout W. Steyerberg</i> Cure Vs. Toxicity: Quantifying Preferences for Non-surgical Management of Rectal Cancer Using a Discrete Choice Experiment, <i>Edward JD Webb</i> | Issue Panel 1C Proving Health Economics Models Are Valid – Why, How and Who? Chair: <i>Talitha Feenstra</i> Panelists: <i>Amanda Adler, Xavier Pouwels, Michael Willis, An Duy Tran</i> | Issue Panel 1D Artificial Intelligence in Medical Decision Making: Pitfalls and Potential Chairs: <i>Uwe Siebert, Sarah Friedrich</i> Panelists: <i>Tim Friede, Sigrid Behr, Christoph Lippert, Gerd Antes</i> |
| 12:30 | 13:45 | Poster Session 2 & Lunch | | | |
| 13:45 | 15:00 | Oral Presentations 2E Modelling Approaches Chairs: <i>Beate Sander, TBD</i> <ul style="list-style-type: none"> Comparing Historical Surveillance Data of Two-strain Influenza Years with Agent-based Modeling to Investigate the Existence of Viral Interference, <i>Alexis Mandell</i> The Facilitators and Barriers to Reducing Falls Among Community-dwelling Older Adults from Clinicians' Perspective: A Systems Modelling Approach, <i>Vanessa Jean Wen Koh</i> An Efficient Nonparametric Sampling Method of Time to Event for Individual-level Models, <i>David Ulises Garibay Treviño</i> Developing an Agent-based Model to Track Hepatitis C Elimination in an Ongoing Pandemic Era, <i>William WI Wang</i> Non-parametric survival estimation of a progressive, multi-state Markov model with interval-censored event times, <i>Zachary Walker</i> | Oral Presentations 2F Understanding Patient Trade-Offs Chairs: <i>TBD</i> <ul style="list-style-type: none"> Deciding Whether to Vaccinate Against Covid-19: Weighing Up Pro- and Against- Vaccination Reasons, <i>Teresa Gavaruzzi</i> Universalism Over Power: A Systematic Integrative Review of Shared Decision-making Models Through the Lens of Schwartz's Value Theory, <i>Anne Stiggelbout</i> Evaluation of Long-term Benefits and Harms of Extended Age Limits of Mammography in Germany – A Decision Analysis for an Iqwig Benefit Assessment, <i>Gaby Sroczynski</i> Decision Making and Intrafamilial Trade-offs in Response to Asthma Care Costs: a Qualitative Study, <i>Alison A Galbraith</i> The Impact of "Herd Immunity" Labels on Vaccine Perceptions: A Survey-Based Experiment, <i>Aaron M. Scherer</i> | Issue Panel 2G How Do We Ensure Efficient Public Health Impact of Modelling of Infectious Disease Dynamics? Chair: <i>Beate Jahn</i> Panelists: <i>Berit Lange, Wolfgang Bock, Viola Priesemann, Herwig Ostermann, Rafael Mikolajczyk</i> | Issue Panel 2G Informed Decision Making in Cancer Screening: What is it and How Do We Measure It? Chairs: <i>Hilary Bekker, Danielle Timmermans</i> Panelists: <i>Hilary Bekker, Danielle Timmermans</i> |
| 15:00 | 15:30 | Tea and Coffee Break | | | |
| 15:30 | 16:45 | Oral Presentations 3I Decision Making Interventions Session Chairs: <i>Anna Heath, Dan Greenberg</i> <ul style="list-style-type: none"> The Effects of a Short Educational Intervention on Opinions Regarding Treatments for Opioid Use Disorder, <i>Colin Macleod</i> Developing a Patient Decision Aid for People with Relapsing Remitting Multiple Sclerosis Making Disease Modifying Treatment Decisions, <i>Hilary Louise Bekker</i> Cost-effectiveness Analysis of the Disease Management Program Herzmobil Tirol Along the Cohort Study, <i>Beate Jahn</i> Pilot testing a web-based decision aid in breast cancer for personalised treatment choices: a case analysis, <i>Natalia Oprea</i> The Short and Longer-term Impact of a Cognitive-behavioral and Mindfulness Intervention on Crohn's Disease (cd) Patients' Utility-weights, <i>Ruslan Sergienko</i> | Oral Presentations 3J Innovative Methods in Cost-Effectiveness Analysis Chairs: <i>Gaby Sroczynski, TBD</i> <ul style="list-style-type: none"> Can Cost-effectiveness Acceptability Curves Mask Differences in Subgroups? <i>Shannon Hearney</i> Expected Value of Sample Information of Multi-arm Multi-stage Trial Designs Comparing Directly Acting Oral Anticoagulants in Atrial Fibrillation, <i>Mary Ward</i> Challenges of Assessing Cost-effectiveness of Climate Adaptation Interventions, a Case Study, <i>Amin Adibi</i> Using a Pedagogical Model of the Cost-effectiveness of Cancer Screening to Understand Convexity of the Efficient Frontier, <i>Yi Shu Lin</i> Use Of Real-world Data in Cost-effectiveness Analysis Of Sequential Biologic Treatment For Rheumatoid Arthritis, <i>Janharpreet Singh</i> | Issue Panel 3L Taking Model Validation and Uncertainty Analysis to the Next Level. Experience from the Mount Hood Diabetes Challenges. Chair: <i>Philip Clarke</i> Panelists: <i>Michael Willis, An Tran-duy, Philip Clarke, Talitha Feenstra</i> | Issue Panel 3K How to Improve the Role of Hospital-based Hta in the Decision Making Processes? Chairs: <i>Rossella Di Bidino, Iga Lipska</i> Panelists: <i>Rossella Di Bidino, Iga Lipska, Laura Sampietro-Colom</i> |
| 16:45 | 17:00 | Break to Move to Main Room | | | |
| 17:00 | 18:00 | Plenary Symposium Patients-shared Decision Making – The Role in Clinical Guideline Development Chair: <i>Jesse Jansen</i> Panelists: <i>Corinna Schaefer, Gerald Gartlehner, Anne Stiggelbout</i> | | | |
| 19:30 | 23:00 | Social Event at Reinhard Bär Restaurant | | | |

| START | END | Hall 1 | Hall 2 | Hall 3 | Hall 4 |
|-------|-------|---|---|--|---|
| 07:30 | 09:00 | Poster Session 3 & Tea/Coffee | | | |
| 09:00 | 10:00 | <p>Top Rated Oral Abstract Presentations</p> <p>Chairs: TBD</p> <ul style="list-style-type: none"> Vignette-based experiment comparing UK General Practitioners' risk assessments and antibiotic prescribing decisions to a clinical prediction rule, <i>Martine Nurek</i> Comparative effectiveness of 3 interventions on patient engagement and shared decision making: Results from a cluster randomized controlled trial, <i>Ming Tai Seale</i> Using Curiosity to Counter Health Information Avoidance, <i>Yana Litovsky</i> Development of a Decision Support Tool for Biologic Therapy Withdrawal Decisions in Non-systemic Juvenile Idiopathic Arthritis, <i>Janine A. Van Til</i> | | | |
| 10:00 | 11:00 | <p>Plenary Symposium</p> <p>Pushing the Frontiers of Comprehensive Health Technology Assessment: Assessing the Tradeoff between Efficiency and Equity</p> <p>Chairs: <i>Uwe Siebert, Beate Jahn</i></p> <p>Panelists: <i>Stefan Sauerland, Michal Stanak, Ana Duarte</i></p> | | | |
| 11:00 | 11:30 | Tea and Coffee Break | | | |
| 11:30 | 12:45 | <p>Oral Presentations 4M</p> <p>Preferences and Quality of Life</p> <p>Chairs: TBD</p> <ul style="list-style-type: none"> Evaluation of the Minimal Clinically Important Difference in HRQoL (PROQOL-HCV) after DAA treatment for chronic hepatitis C (ANRS CO22 HEPATHER), <i>Abbas Mourad</i> Women's Interest, Knowledge, and Attitudes About Anti-Mullerian Hormone Testing: An Online Randomised Trial, <i>Jesse Jansen</i> Mapping Between the MANSA Quality of Life Instrument and EQ-5D-3L for Mental Health Problems, <i>Sean P. Gavan</i> Preferences of Citizens in Peru for School Opening during a Public Health Crisis: A Participatory Value Evaluation Study, <i>Karen Trujillo Jara</i> Strategies to Improve Health-related Quality of Life of Patients Receiving CAR T-Cell Therapy: A Simulation Analysis, <i>Zeynep Hasgul</i> | <p>Oral Presentations 4N</p> <p>Screening and Testing Decisions</p> <p>Chairs: <i>Eline Krijkamp, Emily Burger</i></p> <ul style="list-style-type: none"> Spillovers in Health Economic Evaluation and Research (SHEER) Task Force: Recommendations for Best Practice and a Future Research Agenda, <i>Edward Henry</i> Health-Economic Evaluation of a Disease Management Program for Chronic Heart Failure in Austria – A Decision-Analytic Modeling Study, <i>Beate Jahn</i> Healthcare Cost-Effectiveness Evaluations: Comparing and Contrasting Methods for Pharmaceuticals, Medical Devices and Digital Health Technologies, <i>Robert Malcolm</i> Which Shared Decisions can be Supported by Outcome Data? – Results From the Dutch Outcome-Based Healthcare Program, <i>Domino Detemmann</i> Extrapolation of Survival Data Using External Information in a Bayesian Framework - A Simplified Approach and an Application, <i>David McConnell</i> | <p>Issue Panel 4P</p> <p>Modeling as Visioning: Exploring the Impact of Criminal Justice Reform on Health of Populations with a Focus on Substance Use Disorders</p> <p>Chair: <i>Bruce Schackman</i></p> <p>Panelists: <i>Natasha Martin, Ahmed Bayoumi, Peter Vickerman</i></p> | <p>Issue Panel 4Q</p> <p>A Dialogue Between Mathematicians, Policymakers, and Data: COVID-19 in Israel</p> <p>Chair: <i>Nachman Ash</i></p> <p>Panelists: <i>Amit Huppert, Nir Gavish, Uri Obolski, Nachman Ash</i></p> |
| 12:45 | 14:00 | Poster Session 4 & Lunch | | | |
| 14:00 | 15:15 | <p>Oral Presentations 5Q</p> <p>Diagnostic and Treatment Decisions</p> <p>Chairs: <i>Davene R. Wright, TBD</i></p> <ul style="list-style-type: none"> Extending Beyond Aggregate Cost-Effectiveness Results in Diagnostics Evaluation: The Case of Software Fusion for the Diagnosis of Prostate Cancer, <i>Ana Duarte</i> Cost-Effectiveness Analysis of Non-Invasive Tests to Identify Advanced Fibrosis in Non-Alcoholic Fatty Liver Disease, <i>Lina Gruneau</i> What Errors Impact Situation Awareness and Decision Making for Primary Care Clinicians? <i>Ahmed Mohammed Patel</i> Differences in Information Seeking and Confidence Among Medical Students in Diagnostic Decisions, <i>Sriraj Aiyer</i> Integrating Personalized Survival and Risk Scores in Decision Making About Left Ventricular Assist Device Therapy: Clinician and Patient Perspectives, <i>Jennifer S. Blumenthal Barby</i> | <p>Oral Presentations 5R</p> <p>Methods for Cancer Service Evaluations</p> <p>Chairs: <i>Al Rabayah Abeer Ahmad Hamdan, TBD</i></p> <ul style="list-style-type: none"> Model for Assessing the Value of AI in medical imaging (MAS-AI), <i>Iben FASTERHOLDT</i> Optimizing Colorectal Cancer Surveillance Policies Considering Uncertainty in the Number and Size of Detected Adenomatous Polyps: A POMDP Approach, <i>Mahboubeh Madadi</i> Patients' Willingness to Accept Adverse Event and Cost Trade-Offs for Reduced Risk of Non-Melanoma Skin Cancer: a discrete-choice experiment, <i>Marco Boeri</i> Estimating Adenoma Incidence and Progression Rates in Individuals with a Family History of Colorectal Cancer Using a Bayesian Three-State Model, <i>Eddymurphy U. Akwivu</i> | <p>Issue Panel 5T</p> <p>Information-Sharing in Advanced Evidence Synthesis: Is it Currently Strengthening, or Weakening, HTA Decisions?</p> <p>Chair: <i>Marta Soares</i></p> <p>Panelists: <i>Hugo Pedder, Marta Soares, Georgios Nikolaidis, Janharpreet Singh</i></p> | <p>Issue Panel 5S</p> <p>Research Prioritisation to Reduce Uncertainty in Decision Making for Patients, Providers and Policy Makers</p> <p>Chair: <i>Anna Heath</i></p> <p>Panelists: <i>Natalia Kunst, David Glynn, Helen Dimaras</i></p> |
| 15:15 | 15:45 | Tea and Coffee Break | | | |
| 15:45 | 16:45 | Plenary Session | | | |
| 16:45 | 17:00 | Awards and Closing Ceremony | | | |
| 17:00 | | Adjournment | | | |