SCIENTIFIC PROGRAM

SUNDAY, JUNE 08, 2014

08:00 Registration desk opens at the Elzenveld

Parallel Short Courses - Morning

09:00 – 12:00

**Parallel Short Course 1** Van Wijn Room

SMDM CORE COURSE: INTRODUCTION TO MEDICAL DECISION ANALYSIS (DECISION-ANALYTIC MODELING)

_Uwe Siebert_ (Austria)

**Parallel Short Course 2** Evora Room 1

DISCRETE EVENT SIMULATION

_All authors_ (Austria)

**Parallel Short Course 3** Broeckx Room

INTRODUCTION TO THE DESIGN AND CULTURAL ADAPTATION OF PATIENT DECISION AIDS

_Dana (Dane) Latham Alden, Arwen H. Pieterse and Hilary Bekker_ (United States, Netherlands, United Kingdom)

**Parallel Short Course 4** Monastery Veranda

PERSPECTIVES ON THE PSYCHOLOGY OF MEDICAL DIAGNOSIS

_Robert M. Hamm, Laura Zwaan_ and _Jonathan Nelson_ (United States, Netherlands, Germany)

**Parallel Short Course 5** Desquen Room

ETHICAL AND LEGAL ISSUES IN PERSONALISED MEDICINE

_Magdalena Flatscher-Thöni_ and _Verena Stühlinger_ (Austria)

_There will be a coffee break at 10:30_

_Lunch will be served at 12:00 (for participants attending both a morning and afternoon course)_
<table>
<thead>
<tr>
<th>Time</th>
<th>Parallel Short Course</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00 – 17:00</td>
<td>Parallel Short Course 6</td>
<td>Evora Room 1</td>
</tr>
<tr>
<td></td>
<td>MODELING APPROACHES FOR ANALYSING HEALTH CARE PROBLEMS – AN INTRODUCTORY OVERVIEW AND COMPARISON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Beate Jahn, Mark S. Roberts, Uwe Siebert and James Stahl (Austria, United States)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parallel Short Course 7</td>
<td>Van Wijn Room</td>
</tr>
<tr>
<td></td>
<td>USING MULTI-GROUP STRUCTURAL EQUATION MODELING AND ADVANCED MEDIATION ANALYSIS IN MEDICAL DECISION MAKING RESEARCH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dana (Dane) Latham Alden and Qimei Chen (United States)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parallel Short Course 8</td>
<td>Desguin Room</td>
</tr>
<tr>
<td></td>
<td>HOW TO CALCULATE EXPECTED VALUE OF PARTIAL PERFECT INFORMATION AND EXPECTED VALUE OF SAMPLE INFORMATION FROM JUST THE PROBABILISTIC SENSITIVITY ANALYSIS (PSA) SAMPLE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mark Strong (United Kingdom)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parallel Short Course 9</td>
<td>Broeckx Room</td>
</tr>
<tr>
<td></td>
<td>PSYCHOLOGY OF MEDICAL DECISION MAKING: HOW TO ANALYZE CLINICAL JUDGMENT USING A LENS MODEL APPROACH</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thomas Tape, Robert Wigton and Esther Kaufmann (United States, Germany)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Parallel Short Course 10</td>
<td>Monastery Veranda</td>
</tr>
<tr>
<td></td>
<td>TRUSTWORTHINESS OF CLINICAL PRACTICE GUIDELINES</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roy M. Poses and Wally Smith (United States)</td>
<td></td>
</tr>
</tbody>
</table>
SUNDAY, JUNE 8, 2014 (continued)

Parallel Short Courses – Afternoon (cont.)

Parallel Short Course 11  Evora Room 2

HOW-TO-WORKSHOP: REVISE AND IMPROVE YOUR PRESENTATION FOR THE MEETING

Myriam G.M. Hunink and Jef Van den Ende
(Netherlands, Belgium)

There will be a coffee break at 15:30

18:00  Get – Together Reception in the Convent Rooms and Garden. Musical Performance by the Meeting Chairs in the Chapel at 18:00, 19:00 & 20:00
MONDAY, JUNE 9, 2014

07:30 – 08:00  Mounting of Posters for Poster Session 1
08:00  Registration desk opens at the Elzenveld

08:00 – 09:00  Poster Session 1 and Coffee  Van Gessel Hall

09:00 – 09:15  Opening Address  Auditorium

WELCOME

Jef Van den Ende, Co-Chair (Belgium)

09:15 – 11:00  Parallel Session 1 – A  Auditorium

TOP RANKED ABSTRACTS I

Chairpersons:  Olga Kostopoulou (United Kingdom)
                Arwen Pieterse (Netherlands)

09:15  Information processing of pictographs in medical decision-making depending on numeracy: An eye-tracking study
        Christina Kreuzmair, Carmen Keller, Michael Siegrist (Switzerland)

09:30  Additional conditions add up to little HRQoL
        Mathias Barra, Liv Ariane Augestad, Kim Rand-Hendriksen
                David Whitehurst (Norway, Canada)

09:45  Anticipatory regret of commission but not omission leads to low post-decisional regret in terminally ill patients
        Benjamin Djulbegovic, Jason Beckstead, Athanasios Tsalatsanis,
                Rahul Mhaskar, Alexandra Flynn, Orlando Fabelo, Howard Tuch,
                Ambuj Kumar, Elizabeth Pathak, Iztok Hozo, Paul Jacobsen
                (United States)

10:00  Information distortion in diagnosis: strengthening the leader or weakening the competitor?
        Martine Nurek, York Hagmayer, Olga Kostopoulou
                (United Kingdom, Germany)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td><strong>Words or graphics in a discrete choice experiment: does it matter?</strong></td>
<td>Jorien Veldwijk, Mattijs Lambooij, Janine van Til, Catharina Groothuis-Oudshoorn, Henriette Smit, G. Ardine de Wit (Netherlands)</td>
</tr>
<tr>
<td>10:30</td>
<td><strong>Surgery or stereotactic ablative radiotherapy for stage I non-small cell lung cancer: a conjoint analysis of treatment decisions of pulmonologists, surgeons and radiation oncologists</strong></td>
<td>Wendy Hopmans, Laura Zwaan, Suresh Senan, Ineke van der Wulp, Olga C. Damman, Egbert F. Smit, Koen J. Hartemink, Danielle R.M. Timmermans (Netherlands)</td>
</tr>
<tr>
<td>10:45</td>
<td><strong>The effects of anecdotal vs. statistical messages on HPV vaccination intentions among young women</strong></td>
<td>Dena Cox, <strong>Anthony Cox</strong> (United States)</td>
</tr>
<tr>
<td>11:00</td>
<td>Coffee Break and Poster Viewing</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:15</td>
<td><strong>TOP RANKED ABSTRACTS II</strong></td>
<td></td>
</tr>
<tr>
<td>09:15</td>
<td><strong>Addressing preference heterogeneity in public policy by combining cluster analysis and multi-criteria decision analysis</strong></td>
<td>Mette Kjer Kaltoft, Robin Turner, Jesper Bo Nielsen, Glenn Salkeld, Michelle Cunich, <strong>Jack Dowie</strong> (Denmark, Australia, United Kingdom)</td>
</tr>
<tr>
<td>09:30</td>
<td><strong>Combining Markov states: A comparison of analytical and heuristic methods for deriving the hazard rates of a collapsed Markov state</strong></td>
<td>Christina Kurzthaler, Rowan Iskandar, Nikolai Mühlderger, Annette Conrads-Frank, Gaby Sroczynski, Uwe Siebert (Austria, United States)</td>
</tr>
<tr>
<td>09:45</td>
<td><strong>The value of future research to determine the cost-effectiveness of fluid loading prior to high risk major elective surgery: the use of expected value of sample information</strong></td>
<td>Dwayne Boyers, Rodolfo Hernández, Luke Vale, Andrew Elders, Brian H. Cuthbertson (United Kingdom, Canada)</td>
</tr>
</tbody>
</table>
MONDAY, JUNE 9, 2014 (continued)

09:15 – 11:00 Parallel Session 1 – B (cont.) Evora Room

10:00 2nd panel on cost-effectiveness in health and medicine
Ted Ganiats, Peter Neumann, Louise Russell, Gillian Sanders, Joanna Siegel (United States)

10:15 The trade-off between benefits and harms of different primary cervical cancer screening strategies in Germany: Estimates from a decision-analysis
Gaby Sroczynski, Eva Esteban, Jutta Engel, Peter Hillemanns, Karl-Ulrich Petry, Alexander Krämer, Petra Schnell-Inderst, Nikolai Mühlberger, Uwe Siebert (Austria, Germany, United States)

10:30 Revisiting the simulation evidence for the cost-effectiveness of breast cancer screening of average-risk women
James F. O’Mahony (Ireland)

10:45 Cost effectiveness of treating elderly hip fracture patients with comprehensive geriatric care as compared to orthopaedic care
Gunhild Hagen, Anders Prestmo, Ingvild Saltvedt, Olav Sletvold, Turi Saltnes, Stian Lydersen, Lars Gunnar Johnsen, Jorunn Helbostad, Vidar Halsteinli (Norway)

11:00 Coffee Break and Poster Viewing

11:30 – 13:00 Parallel Session 2 – A Evora Room

UTILITIES

Chairpersons: Liv Ariane Augestad (Norway) Benjamin Djulbegovic (United States)

11:30 What size of difference matters in EQ-5D? Comparison of methods to estimate the minimum clinically important difference
Silvia Coretti, Paul McNamee (Italy, United Kingdom)

11:45 The analysis of ranked preferences for EQ-5D health states: demonstrating the practical value of Analytic Hierarchy Process (AHP) in a simulated dataset
Brian Reddy, Roisin Adams, Shane O. Meachair, Michael Barry, Paul Kind, Cathal Walsh (Ireland, United Kingdom)
MONDAY, JUNE 9, 2014 (continued)

11:30 – 13:00  Parallel Session 2 – A (cont.)  Evora Room

12:00  Concurrent validity of the EQ-5D-3L in homeless adults with mental illness
Ahmed M. Bayoumi, Andrew D. Pinto, Patricia O'Campo, Vicky Stergiopoulos, Stephen Hwang (Canada)

12:15  Estimating societal preferences for quality of life under prospect theory
Arthur Attema, Werner Brouwer, Olivier l’Haridon, Jose Luis Pinto (Netherlands, France, United Kingdom)

12:30  Is depression valued differently when it co-occurs with a somatic condition?
Katerina Papageorgiou, Maya J. Schroeters, Erik Buskens, Edwin van den Heuvel, Paul F.M. Krabbe, Adelita V. Ranchor, Karin M. Vermeulen, Anne M. Stiggelbout (Netherlands)

12:45  The Labour and Delivery Index (LADY-X): validation of a new delivery-specific outcome measure
Fania Ruth Gärtner, Esteriek De Miranda, Liv M. Freeman, Marlies E. Rijnders, Johanna M. Middeldorp, Kitty W.M. Bloemenkamp, Anne M. Stiggelbout, M. Elske van den Akker-van Marle (Netherlands)

13:00  Lunch and Mounting of Posters for Poster Session 2
11:30 – 13:00  Parallel Session 2 – B  Auditorium

**SHARED DECISION MAKING**

Chairpersons: Dana Alden (United States)
Johanna J.M. Takkenberg (The Netherlands)

11:30 *An experimental study assessing The Yorkshire Dialysis Decision Aid acceptability to staff and patients when delivered on-line*
Hilary L. Bekker, Anna Winterbottom, Teresa Gavaruzzi, Andrew Mooney, Martin Wilkie, Simon Davies (United Kingdom)

11:45 *Optimizing prosthetic heart valve selection: a Dutch quality improvement project*

12:00 *Shared decision making in long-term elderly care: An exploration*
Kim Kuipers, Stans C.H.C. Drossaert, Ate Dijkstra (Netherlands)

12:15 *Enhancing shared decision making through assessment of patient-clinician concordance on decision quality*
Mette Kjer Kaltoft, Warwick Selby, Glenn Salkeld, Jesper Bo Nielsen, Jack Dowie (Denmark, Australia, United Kingdom)

12:30 *Implementation of a decision aid for patients with localized prostate cancer: Opinions of caregivers and patients*
Julia van Tol-Geerdink, Inge van Oort, Peep Stalmeier (Netherlands)

12:45 *Supporting patient values: A systematic review of values clarification exercises*
Holly O. Witterman, Laura D. Scherer, Teresa Gavaruzzi, Arwen H. Pieterse, Andrea Fuhrle-Forbis, Nicole Exe, Valerie C. Kahn, Deb Feldman-Stewart, Nananda F. Col, Angela Fagerlin (Canada, United States, Italy, Netherlands)

13:00 *Lunch and Mounting Posters for Poster Session 2*
MONDAY, JUNE 9, 2014 (continued)

11:30 – 13:00 Parallel Session 2 – C Van Laer Room

PUBLIC HEALTH

Chairpersons: Murray Krahn (Canada)
Bruce Schackman (United States)

11:30 Estimating revealed weights for a multi criteria decision analysis approach to Health Technology Assessments: A case study in Ireland
Susanne Schmitz, Laura McCullagh, Roisin Adams, Michael Barry, Cathal Walsh (Ireland)

11:45 Determinants of demand for health examinations in Japan
Ma Xin Xin, Kakihara Hiroaki (Japan)

12:00 The association between adherence to chronic medications and healthcare utilization
Tzahit Simon-Tuval, Noa Triki, Gabriel Chodick, Dan Greenberg (Israel)

12:15 The effect of government supervision on quality of integrated care and diabetes type 2 health outcomes: a cluster randomized controlled trial

12:30 Disability adjusted life years lost due to diabetes in 5 european countries compared to other non-communicable diseases
Josep Darba, Lisette Kaskens, Bruno Detournay, Werner Kern, Antonio Nicolucci, Domingo Orozco-Beltrán, Antonio Ramirez de Arellano (Spain, France, Germany, Italy)

12:45 Costs of episodes (COE): analysis based on ICPC-2 classification
Johanna Heinonen, Erkki Soini, Olli-Pekka Ryynänen, Tuomas Koskela (Finland)

13:00 Lunch and Mounting of Posters for Poster Session 2
MONDAY, JUNE 9, 2014 (continued)

14:00 – 15:30  Symposium 1  Auditorium

EVALUATION OF BIOMARKERS IN THE AGE OF PERSONALIZED MEDICINE

Moderator:  Myriam Hunink (Netherlands)

Evaluating treatment selection markers for stratified medicine: study design
Patrick Bossuyt (Netherlands)

Evaluating diagnostic and prognostic markers: analysis and prediction
Ewout W. Steyerberg (Netherlands)

Perspectives on the calibration of risk prediction models
Ben van Calster (Belgium)

14:00 – 15:30  Parallel Workshop 1 – A  Van Laer Room

HOW DOCTORS THINK: TEACHING STUDENTS TO INTEGRATE CLINICAL EVIDENCE AND PATIENT-CENTERED OUTCOMES INTO CLINICAL DECISION MAKING

Moderator:  Nananda F. Col (United States)

Making key messages of MDM more user-friendly for clinicians: lessons from teaching sessions in Europe and in the Tropics
Zeno Bisoffi (Italy)

Experiences with clinical decision making training in undergraduates in Antwerp, Belgium
Paul Van Royen (Belgium)

Clinical decision making training overseas: experience in Rwanda, Burkina Faso, Indonesia and Ecuador
Jef Van den Ende (Belgium)

Integrating evidence based medicine, epidemiology, public health, and biostatistics into the framework of clinical reasoning for US medical students
Nananda F. Col (United States)
MONDAY, JUNE 9, 2014 (continued)

14:00 – 15:30 Parallel Workshop 1 – B Evora Room

INCORPORATING PREFERENCES INTO DECISION MAKING: SELECTING AN APPROPRIATE MULTI-CRITERIA DECISION ANALYSIS WEIGHTING METHOD IN HEALTH CARE

Moderator: Kevin Marsh (United Kingdom)

Introduction to multi criteria decision analysis in healthcare
Brian Reddy (United Kingdom)

Examples of weighting techniques: AHP, MACBETH and swing weighting
Kimberly Hockley (United Kingdom)

Examples of weighting techniques: Discrete choice experiment
Irina Cleemput (Belgium)

Selecting the most appropriate MCDA weighting method in healthcare decision making
Tereza Lanitis (United Kingdom)

14:00 – 15:30 Parallel Workshop 1 – C Van Wijn Room

BIAS IN MEDICINE: DOES IT MATTER TO ME?

Moderator: Kristan J. Wheaton (United States)

Bias in medicine and intelligence analysis: Common challenges from diverse disciplines
Chris Pallaris (Switzerland)

Game based learning interventions for bias identification and mitigation
Kristan J. Wheaton (United States)

The Mind’s Lie: Experimental evidence in bias identification and decision making
Melonie Richey (United States)

15:30 – 17:00 Poster Session 2 and Coffee Van Gessel Hall
17:00 – 18:00  Parallel Session 3 – A  Van Laer Room

PREVENTION AND TREATMENT OF INFECTIOUS DISEASES

Chairpersons:  Jeremy D. Goldhaber-Fiebert (United States)  Jef Van den Ende (Belgium)

17:00  *Are patient views about antibiotics related to clinician perceptions, management and outcome? A multi-country study in outpatients with acute cough*  
Samuel Coenen, Nick Francis, Mark Kelly, Kerenza Hood, Jacqui Nuttall, Paul Little, Theo Verheij, Hasse Melbye, Herman Goossens, Chris Butler  
(Belgium, United Kingdom, Netherlands)

17:15  *Acceptance of vaccinations in pandemic outbreaks: a discrete choice experiment*  
Domino Determann, Ida J. Korfage, Mattijs S. Lambooij, Michiel Bliemer, Jan Hendrik Richardus, Ewout W. Steyerberg, Esther W. de Bekker-Grob  
(Netherlands, Australia)

17:30  *Effects of non-clinical factors on the subjective probability of bacterial infection and antibiotic prescribing in primary care*  
Miroslav Sirota, Olga Kostopoulou, Shyamalee Samaranayaka, Thomas Round  
(United Kingdom)

17:45  *Game-theoretical reflections on the vaccination decision – results of a vaccination game*  
Cornelia Betsch, Robert Böhm, Lars Korn  
(Germany)

18:30  *Festive Dinner at the Felix Pakhuis (with an opportunity to visit the roof terrace of the Museum aan de stroom, MAS, and enjoy the view over Antwerp)*
17:00 – 18:00 Parallel Session 3 – B Evora Room

QUANTITATIVE METHODS

Chairpersons: Beate Jahn (Austria) Torbjørn Wisløff (Norway)

17:00 Exploration of the external validity of different survival extrapolation methods
Julian Nam, James Lewsey, Andrew Briggs (United Kingdom)

17:15 Fast efficient computation of expected value of sample information from a probabilistic sensitivity analysis sample: a non-parametric regression approach
Mark Strong, Jeremy Oakley, Alan Brennan (United Kingdom)

17:30 A probabilistic framework to combine discrete choice preferences and uncertain clinical data
Henk Broekhuizen, Karin Groothuis-Oudshoorn Brett Hauber, Maarten IJzerman (Netherlands, United States)

17:45 Assessing the influence of case-mix heterogeneity on the discriminative ability of a risk prediction model: the model-based concordance-index
David van Klaveren, Mithat Gönen, Ewout W. Steyerberg, Yvonne Vergouwe (Netherlands, United States)

18:30 Festive Dinner at the Felix Pakhuis (with an opportunity to visit the roof terrace of the Museum aan de stroom, MAS, and enjoy the view over Antwerp)
MONDAY, JUNE 9, 2014 (continued)

17:00 – 18:00 Parallel Session 3 – C Auditorium

**COST-EFFECTIVENESS ANALYSIS**

Chairpersons: **Erkki Soini** (Finland)  
**Ivar Sønbø Kristiansen** (Norway)

17:00 Best Abstract Award Winner presentation from the 2013 Asian SMDM Meeting:  
*Cost-effectiveness analysis of HLA-B*\(^5801\) testing in preventing Allopurinol-induced SJS/TEN in Thai population*  
Surasak Saokaew, Ratree Maenthaisong, Wichitra Tassaneeyakul,  
*Nathorn Chaiyakunapruk* (Thailand, Malaysia)

17:15 *Can novel biomarkers be cost-effective for preventing Cardiovascular Disease? A systematic review*  
Felicity Lamrock, Petra Schnell-Inderst, Karen Cairns,  
Annette Conrads-Frank, Uwe Siebert, Frank Kee (United Kingdom, Austria, United States)

17:30 *The cost-effectiveness of biologic DMARDs in patients with severe or moderate -to-severe RA after conventional DMARDs*  
Matt Stevenson, Allan Wailoo, Jon Tosh, Monica Hernandez,  
John Stevens, Rachel Archer, Emma Simpson, Emma Everson-Hock,  
David Scott, Adam Young, Suzy Paisley, Kath Williams (United Kingdom)

17:45 *Octogenarians admitted to the ICU with a life-threatening event: Evaluation of long-term outcomes, quality of life, costs and cost-effectiveness*  
Joris Vermassen, Sandra Oeyen, Dominique Benoit,  
Lieven Annemans, Johan Decruyenaere (Belgium)

18:30 *Festive Dinner at the Felix Pakhuis (with an opportunity to visit the roof terrace of the Museum aan de stroom, MAS, and enjoy the view over Antwerp)*
TUESDAY, JUNE 10, 2014

07:30  Mounting of Posters for Poster Session 3

08:00  Registration desk opens at the Elzenveld

08:00 – 09:00  Poster Session 3 and Coffee  Van Gessel Hall

09:00 – 10:30  Parallel Session 4 – A  Evora Room

- INFECTIOUS DISEASES: COST EFFECTIVENESS ANALYSES AND DISEASE MODELLING

  Chairpersons: Gunhild Hagen (Norway)  Ursula Rochau (Austria)

09:00  For which high risk adults is a target HBV vaccination campaign cost-effective?
Marie-Jose J. Mangen, Holger Stibbe, Paul van Beek, Anouk Urbanus, Aura Timen, Quita Waldhober, G. Ardine de Wit, Jim E. van Steenbergen (Netherlands)

09:15  Cost-effectiveness of sofosbuvir-based treatment for chronic, Hepatitis C infections in incarcerated populations
Shan Liu, Daena Watcha, Mark Holodniy, Jeremy D. Goldhaber-Fiebert (United States)

09:30  Expanded HIV testing in low-prevalence, high-income countries: A cost-effectiveness analysis for the United Kingdom
Elisa F. Long, Roshni Mandalia, Sundhiya Mandalia, Sabina S. Alistar, Eduard J. Beck, Margaret L. Brandeau (United States, United Kingdom)

09:45  Cost-effectiveness of the 2009 H1N1 pandemic mass immunization strategy in Taiwan
Vivian Chia-Rong Hsieh, Ying-Hen Hsieh, Center for Infectious Disease Education and Research CIDER (Taiwan, Province of China)

10:00  Cost-effectiveness of seasonal influenza vaccination in pregnant women, health care workers and persons with underlying illnesses in Belgium
Adriaan Blommaert, Joke Bilcke, Yannick Vandendijck, Germaine Hanquet, Niel Hens, Philippe Beutels (Belgium, Australia)
10:15  **Quantification of parameter and structural uncertainty of dynamic disease transmission models using MCMC: an application to rotavirus vaccination in England & Wales**  
Joke Bilcke, Ruth Chapman, Christina Atchison, Deborah Cromer, Helen Johnson, Lander Willem, William J. Edmunds, Mark Jit (Belgium, United Kingdom, Australia)

10:30  **Coffee Break and Poster Viewing**

09:00 – 10:30  **Parallel Session 4 – B**  
Auditorium

---

**SHARED DECISION MAKING IN CANCER**

Chairpersons:  
**Jesper Bo Nielsen** (Denmark)  
**Jack Dowie** (United Kingdom)

09:00  **High perceived usefulness of a question prompt list among Australian and French MDS patients and carers**  
Julien Mancini, Claire Julian-Reynier, Norbert Vey, Patrick Festy, Rebecca Dring, Pierre Fenaux, Phyllis Butow (France, Australia)

09:15  **A comparison of younger and older patients' preferences for adjuvant chemotherapy and hormonal therapy in early breast cancer**  
Victoria C. Hamelinck, Esther Bastiaanet, Arwen H. Pieterse, Anton J.M. de Craen, Cornelis J.H. van de Velde, Gerrit-Jan Liefers, **Anne M. Stiggelbout** (Netherlands)

09:30  **Breast cancer patients' recall and comprehension of probabilities of survival and treatment benefit communicated using Adjuvant!**  

09:45  **Non-small cell lung cancer treatment selection: The role of the patient in decision making**  

10:00  **Treatment decision making in advanced cancer: communication about patient values and preferences**  
Inge Henselmans, Hanneke Van Laarhoven, Jane Van der Vloodt, Hanneke De Haes, Ellen Smets (Netherlands)
09:00 – 10:30  Parallel Session 4 – B (cont.)  Auditorium

10:15  *Decision aid influences on patient empowerment prior to a cancer treatment decision making consultation*
Dana (Dane) Latham Alden (United States)

10:30  *Coffee Break and Poster Viewing*

09:00 – 10:30  Parallel Session 4 – C  Van Laer Room

**CANCER: DISEASE MODELLING AND OTHER QUANTITATIVE METHODS**

**Chairpersons:**  
Mathias Barra (Norway)  
Mark Strong (United Kingdom)

09:00  *Simulating tumor growth – dealing with unobservable intermediate events*
Elisabeth van der Meijde, Alfons J.M. van den Eertwegh, Veerle M.H. Coupé (Netherlands)

09:15  *Multi-state statistical modeling: a tool to build a lung cancer microsimulation model that includes parameter uncertainty and patient heterogeneity*
Mathilda Bongers, Dirk De Ruysscher, Cary Oberije, Philippe Lambin, Carin Uyl-de Groot, Veerle Coupe (Netherlands, Belgium)

09:30  *Visualizing a discrete-event-simulation model – the application of alternative methods for a breast cancer decision-analytic model*
Beate Jahn, Ursula Rochau, Jasmina Shterjovska, Christina Kurzthaler, Martina Kluibenschädl, Christoph Urach, Patrick Eintinger, Harald Piringer, Niki Popper, Uwe Siebert (Austria, United States)

09:45  *The value of future research for P53 as a predictive biomarker in early-stage squamous cell lung cancer*
Joshua A. Roth (United States)

10:00  *Comparing colon cancer outcomes: impact of statistical uncertainty and detailed case-mix correction*
Claudia Fischer, Hester Lingsma, Michel Wouters, Ewout Steyerberg (Netherlands)

10:15  *Bayesian modification of the cusum plot to monitor quality of treatment in small patient series with unfinished follow-up*
Rikke-Line Jacobsen, Steen Rosthoej (Denmark)
TUESDAY, JUNE 10, 2014 (continued)

10:30  Coffee Break and Poster Viewing

11:00 – 11:55  Keynote Lecture  Auditorium

Chairperson:  Jef Van den Ende (Belgium)

*Imperatives, expediency, and the new diagnosis*
Jerome P. Kassirer (United States)

12:00 – 13:00  Parallel Session 5 – A  Evora Room

**DECISION PSYCHOLOGY: JUDGMENT AND RISK PERCEPTION**

Chairpersons:  Anne M. Stiggelbout (Netherlands)
Robert Wigton (United States)

12:00  *The role of information gathering in the detection of early cancers in primary care*
Miroslav Sirota, Shyamalee Samaranayaka, Thomas Round, Olga Kostopoulou (United Kingdom)

12:15  *What drives the biasing effect of narrative information on risk perception? How something is said or how often it is mentioned?*
Niels Haase, Cornelia Betsch, Frank Renkewitz (Germany)

12:30  *Factors related to referring physicians may influence the selection of potential candidates for liver transplantation*
Victoria Kone, Christophe Pillette, Jean-Baptiste Nousbaum, Jacques Doll, Yvon Calmus, Gwenaelle Vidal-Trecan (France)

12:45  *Attempting to understand the decision behind the triage decision in a UK Improved access to psychological therapies stepped care mental health service*
Mark H. Wheeler, Tim Rakow (United Kingdom)

13:00  Lunch
12:00 – 13:00 Parallel Session 5 – B Auditorium

PREDICTION AND RISK ASSESSMENT

Chairpersons:  Ahmed Bayoumi (Canada)  
    Margaret Brandeau (United States)

12:00  
**Multiple validation of prediction models: cumulative evidence leads to better decision-making?**
Daan Nieboer, Yvonne Vergouwe, Thomas DeBray, Erik Koffijberg, Carl Moons, Ewout Steyerberg (Netherlands)

12:15  
**Individualized clinical decision support for diseases with repeating events: A review of prognostic models**
Hilde E. Smedinga, Ewout W. Steyerberg, Ellen C. Zwarthoff, Yvonne Vergouwe (Netherlands)

12:30  
**Improving the (cost-) effectiveness of prevention strategies by identifying relevant subgroups**

12:45  
**Predicting 30-day mortality following percutaneous coronary intervention in England and Wales**
Katherine McAllister, Matthew Sperrin, Peter Ludman, Rod Stables, Mark de Belder, Nadeem Fazal, Iain Buchan (United Kingdom)

13:00  
Lunch
12:00 – 13:00 Parallel Session 5 – C Van Laer Room

**ISSUES IN CANCER SCREENING**

Chairpersons:  
R. Scott Braithwaite (United States)  
Wendy Hopmans (Netherlands)

12:00 *Cost-effectiveness of PSA testing combined with a novel biomarker for prostate cancer screening*  
Moniek Vedder, Esther de Bekker - Grob, Eveline Heijnsdijk, Ewout Steyerberg (Netherlands)

12:15 *Trade-Offs in cervical cancer screening: balancing detected cancer precursors and resource use*  
Kine Pedersen, Sveinung Wergeland Sørbye, Stefan Lönnberg, Emily Burger, Ivar Sønbø Kristiansen (Norway)

12:30 *Identifying and discussing uncertain cases in breast cancer screening programs*  
Marwa Gadala, Lorenzo Strigini, Andrey Povyakalo, Peter Ayton (United Kingdom)

12:45 *Cost-informativeness ratio as a guide for whether to purchase diagnostic information*  
Robert M. Hamm, Dewey C. Scheid (United States)

13:00 *Lunch*
AGEING AND DECISION MAKING IN THE ELDERLY

Moderator: Anne M. Stiggelbout (Netherlands)

Introduction
Anne M. Stiggelbout (Netherlands)

Decision making over the life span
Ellen Peters (United States)

Geriatric assessments and decision making in the elderly with cancer
Hans Wildiers (Belgium)

Communicating with older cancer patients
Julia van Weert (Netherlands)

Interactive Discussion

THRESHOLDS IN CLINICAL MEDICINE: A FORGOTTEN APPROACH?

Moderator: Jerome P. Kassirer (United States)

Expected vs. non-expected utility approaches to the threshold-based decision-making
Benjamin Djulbegovic (United States)

Clinical threshold probabilities are affected by utility judgment
Framing Effects
Robert M. Hamm (United States)

Risk Preferences and Treatment Thresholds under Diagnostic Risk:
An Economic Laboratory Experiment
Thomas Mayrhofer (United States)

Why are clinicians reluctant to apply thresholds?
A problem of distributions
Jef Van den Ende (Belgium)
DESIGNING DECISION AIDS THAT PATIENTS AND HEALTH CARE PROVIDERS WILL USE

Moderator: Nananda F. Col (United States)

*Emotional intelligence & creating an empathic tone*
Geri Baumbatt (United States)

*Designing DAs for long-term chronic conditions: Experience designing the Yorkshire Dialysis Decision Aid (YoDDA)*
Hilary Bekker (United Kingdom)

*Simplifying complex treatment decisions by starting with patient preferences*
Nananda F. Col (United States)

METHODOLOGICAL ISSUES IN ECONOMIC EVALUATION OF MEDICAL TREATMENTS FOR CHRONIC DISEASES WITH SOCIETAL OUTCOMES: THE CASE OF ALCOHOL AND SUBSTANCE ABUSE

Moderator: Bruce Schackman (United States)

*Mixed methods for the direct assessment of intervention costs*
Jeremy Bray (United States)

*Utility assessment of opioid dependence*
Bruce Schackman (United States)

*Time-to-event analytic methods for the economic evaluation of treatment for illicit drug dependence*
Bohdan Nosyk (Canada)
TUESDAY, JUNE 10, 2014 (continued)

15:30 – 17:00  Poster Session 4 and Coffee  Van Gessel Hall

17:00 – 17:30  Closing Session  Auditorium

CLOSING REMARKS AND AWARDS CEREMONY

Myriam G.M. Hunink, Co-Chair (Netherlands)

18:30  Reception at Antwerp City Hall