

**The Joint International Society for Clinical Biostatistics and Australian Statistical Conference 2018  
Melbourne Convention and Exhibition Centre**

Poster number	Presenter	Title
<b>P1</b>	Thomas Jaki	IDEAS: Improving Design, Evaluation and Analysis of early drug development Studies
<b>P2</b>	Ikuko Funatogawa	Approach Using Profile-Likelihood-Based Confidence Intervals to the Two Sample Problem in Ordered Categorical Data
<b>P3</b>	Jessica Kasza	Estimating variance components for multiple-period cluster randomised trials when within-cluster correlation structure is misspecified
<b>P4</b>	Kosuke Kashiwabara	Point and interval estimation in an efficient adaptive design of flexible sample size determination
<b>P5</b>	Yuriko Mitsui	Bayesian Phase I/II Cancer Clinical Trials Using the Tumor Growth Inhibition Model with Combination Drugs
<b>P6</b>	Yasuyuki Okuda	Bayesian predictive approach for decision-making in clinical trials
<b>P7</b>	Yujin Lee	Adjusting for losses due to mortality in longitudinal studies of older adults; comparison of methods using data from the HYVET trial
<b>P8</b>	Yun Li	Q-Learning for estimating optimal dynamic treatment regimes from ordinal outcomes
<b>P9</b>	Nazneen Shariff	statistical methods to analyse ordinal categorical data arising from the clinical trial of drugs from the pharmaceutical industry
<b>P10</b>	Satoshi Teramukai	Bayesian basket designs with borrowing information across strata based on similarity between posterior distributions of response probability
<b>P11</b>	Joanne Enticott	Taking recovery-oriented practice to a large urban area in Melbourne: a step-wedge cluster randomised trial called PULSAR
<b>P12</b>	Pankaj Mistry	The use of Multi-arm, multi-stage trial designs in lung cancer.
<b>P13</b>	Dipesh Mistry	Patient and proxy quality of life measurement in a randomised controlled trial of patients with dementia
<b>P14</b>	Lehana Thabane	Results of a 2015 survey of the views of SCT and ISCB members on interim data sharing by DSMBs: what to share, with whom, and why?
<b>P15</b>	Anne Glass	ROC- and discriminant analyses to support a fully automated in vivo assessment of oral epithelial dysplasia
<b>P16</b>	Junichi Asano	An evaluation and modification of Simon's basket design in oncology
<b>P17</b>	Andrew Vincent	Selective accrual using Kullback-Leibler divergence increases power in matched-mismatched interaction studies.
<b>P18</b>	Eisuke Hida	One approach to the assurance of assay sensitivity in non-inferiority trials with network meta-analysis.
<b>P19</b>	Yusuke Yamaguchi	Sample size of Japanese subjects in multiregional dose finding study with MCP-Mod procedure

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<b>P20</b>	Thomas Debray	On the aggregation of historical prognostic scores for causal inference
<b>P21</b>	Thunyarat Anothaisintawee	The relationship among morningness-eveningness, sleep duration, social jet lag and body mass index in patients with prediabetes: A mediation analysis
<b>P22</b>	Alison Gibberd	Using family studies to understand multi-generational causes of low birthweight among Australian Aboriginal infants
<b>P23</b>	Sasivimol Rattanasiri	Periodontitis of the risk factor of chronic kidney disease: Mediation analysis
<b>P24</b>	Tim Watkins	Improving health-related research by making causal inference easier
<b>P25</b>	Xenia Dolja-Gore	The Use of propensity score matching to assess the effect of health assessments on physical functioning and mortality for women aged 75 years and older.
<b>P26</b>	Md Jamal Uddin	Applicability and Validity of Cox Proportional Hazard Model in Mendelian Randomization Studies
<b>P27</b>	Sada Nand Dwivedi	Comparison of Hazard Models for Loco-Regional Recurrence in Presence of Competing Risks among Breast Cancer Patients
<b>P28</b>	Kota Ono	Pointwise confidence interval for the difference of survival proportions with small samples or censoring using effective sample size
<b>P29</b>	Kirsi Manz	Time-to-event analysis of adverse events data: Comparison of methods
<b>P30</b>	Jesca Batidzirai	A Discrete Time Survival Analysis of Relapse in Cancer Patients
<b>P31</b>	Maarten Coemans	Flexible modelling of time-dependent effects in the Cox model: a cohort study on the improvement of kidney transplantation in Europe
<b>P32</b>	Silvia Panunzi	Modelling survival probability in transplanted patients using a longitudinal eGFR biomarker.
<b>P33</b>	Michael Crowther	Parametric multi-state survival analysis: New developments
<b>P34</b>	Aleksander Owczarek	Osteoprotegerin and flexible parametric models in stroke patients's mortality assessment
<b>P35</b>	Jun Ma	On maximum likelihood estimation of semi-parametric Cox model with time varying covariates
<b>P36</b>	Chi-Chung Wen	Robust Likelihood Analysis of Current Count and Current Status Data
<b>P37</b>	Sook Young Woo	Cutoff value determination method for a time dependent covariate
<b>P38</b>	Amir Teimourpour	Bayesian Approach to parametric survival regression model for double censored data with the cure fraction and it's application to estimating the age of starting the smoking hookah

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<b>P39</b>	Jung Im Shim	A Competing Risk Analysis To Compare Two Treatment Modalities For Prostate Cancer Patients in Korea: Using Nationwide Population Data 2007-2009
<b>P40</b>	Guilherme Franco	An exploration of methods for individual patient data meta-analysis with application to return to continence data
<b>P41</b>	Margaret Donald	Graphical models are a useful tool for understanding missing data patterns
<b>P42</b>	Stella Gwini	Application of diagggregated within- and between-subject effects in linear mixed models with time-varying covariates
<b>P43</b>	Tomoyoshi Hatayama	Central Statistical Monitoring using Bayesian Finite Mixture Models in Risk-based Monitoring
<b>P44</b>	Satoru Shinoda	Hybrid measure of asymmetry using collapsed square tables: application to clinical data
<b>P45</b>	Kouji Yamamoto	New test statistics in diagnostic studies with multiple endpoints
<b>P46</b>	Caroline Mugo	Modelling outcomes of first line antiretroviral therapy among HIV/AIDS patients in Kenya.
<b>P47</b>	Olalekan Obisesan	Geometric model for evaluating the fertile window
<b>P48</b>	Michael Lauseker	Joint models for longitudinal blood parameters and time-to-event data: An application in myelodysplastic syndromes
<b>P49</b>	Masoumeh Sanagou	An investigation of the association between CT scan characteristics and patient dose in routine CT practice in Australia
<b>P50</b>	Pascal Roy	Application of generalized pairwise comparisons (GPC) on N of 1 trials with patient defined thresholds
<b>P51</b>	Irantzu Barrio	Correcting for the optimistic estimation of the AUC: comparison of different approaches
<b>P52</b>	Solomon Woldeyohannes	Application of Bayesian latent class analysis for assessing the accuracy of pre-vaccination screening tests for Q fever and determination of the extent of prior exposure
<b>P53</b>	Clemence Leyrat	Are marginal structural models appropriately used and reported in the medical literature? A systematic review.
<b>P54</b>	Minjoo Kang	Factor analysis of adherence to the secondary screening in National Colorectal Cancer Screening Program
<b>P55</b>	Sifat Sharmin	Predicting all-cause 30-day unplanned readmission: a two-level logistic regression model with random effects
<b>P56</b>	Saira Sanjida	The effect of psychological interventions on anxiety in cancer patients: Meta-analyses of randomised controlled trial
<b>P57</b>	Anne Glass	A general linear model to compare tumor volume data generated by different measurement techniques

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<b>P59</b>	Stanislav Katina	Improving longitudinal volumetric measurements of cerebral structures of patients with Alzheimer's disease by magnetic resonance denoising
<b>P60</b>	Rodrigue Allodji	Simulation-extrapolation method to address errors in atomic bomb survivor dosimetry on solid cancer and leukaemia mortality risk estimates, 1950-2003
<b>P61</b>	Andrew Vincent	Modelling tumor cell distributions to improve biomarker discovery in immunohistochemistry stained tissue.
<b>P62</b>	Zhixin Liu	Choice of models for analysis of zero modified data -from practical consultation perspective
<b>P63</b>	Alice Richardson	Weighting of orthostatic intolerance time measurements with standing difficulty score stratifies ME/CFS symptom severity
<b>P64</b>	Ammarin Thakkinstian	Prehospital prediction scores of death and severe injury for road traffic injuries
<b>P65</b>	Irantzu Barrio	Evaluating the discriminative ability of a beta-binomial regression model to predict anxiety and depression in patients with eating disorders
<b>P66</b>	Diana Zannino	Are two ventricles better than one in the Fontan circulation? Assessing the value of propensity score matching methods compared to conventional methods for dealing with covariate imbalance.
<b>P67</b>	Dewi Retno Sari Saputro	Spatio-Temporal Patterns of Dengue Hemorrhagic Fever (DHF) Cases With Local Indicator of SPatial Assosiation (LISA) and Cluster Map at Areas Risk in Java-Bali Indonesia, 2016
<b>P68</b>	Ying Chen	Using marginal standardization to estimate relative risk without dichotomizing continuous outcomes
<b>P69</b>	Susanna Cramb	The Australian Cancer Atlas: Models and Messages
<b>P70</b>	Lan Kelly	The Risk of Chronic Obstructive Pulmonary Disease with Cumulative Exposure to Paracetamol
<b>P71</b>	Taemi Youk	The Effect of Low-dose Radiation Exposure on the cancer incidence from nationwide cohort data in South Korea (2002-2013)
<b>P72</b>	Katrina Scurrah	Twins' elevated risk of poorer educational outcomes is mediated by gestational age
<b>P73</b>	Munehika Misumi	Analysis of colorectal cancer risks in the atomic bomb survivor cohort allowing for correlated competing events
<b>P74</b>	Karen Lamb	Methods for addressing neighbourhood self-selection in studies of neighbourhood effects on health: a systematic review
<b>P75</b>	Qiang Li	Calculating the confidence interval for absolute risk reduction for trials where annual event rate is used to estimate the outcome of interest
<b>P76</b>	Christopher Davies	ANZDATA Individual Hospital Reporting Methodology Changes

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<b>P77</b>	Katrina Scurrah	Genetic and environmental determinants of hypomineralised second primary molars: a prospective twin study
<b>P78</b>	Maedeh Amini	Analysis of years lived with disability trends due to Alzheimer's disease and other dementias in Asian and North African countries using latent growth mixture modeling: Crucial findings from the global burden of disease 2015 study
<b>P79</b>	Jemisha Apajee	Calculating prescription duration using the waiting time distribution with administrative health claims data
<b>P80</b>	Emi Tanaka	Don't be so negative about negative estimates of variance components
<b>P81</b>	Adrian Barnett	An empirical study of how p-values are interpreted in US court of appeal cases
<b>P82</b>	Niel Hens	Generalized estimating equations: the impact of subjects that are successful by default
<b>P83</b>	Boncho Ku	Penalized Estimation of the Optimal Number of Harmonics in the Linear Mixed Effects Model for Circadian Rhythms
<b>P84</b>	Hwan-Jin Yoon	A Comparison of Marginal and Conditional Regression Models for Correlated Binary data
<b>P85</b>	Naser mohammad gholi mezerji	Comparing the Linear, Poisson and Beta regression in modeling proportions
<b>P86</b>	Manzoor Khan	Quantification and Estimation of Regression to the Mean Effects under the Bivariate Poisson Distribution
<b>P87</b>	Tamae Kawasaki	Likelihood ratio tests for sub-mean vectors with two-step monotone missing data in two-sample problem
<b>P88</b>	Christeen Wijethunga	Confidence intervals centered on bootstrap smoothed estimators
<b>P89</b>	Rheanna Mainzer	The effect of a preliminary Hausman test on confidence intervals
<b>P90</b>	Thomas Fung	Quantile function expansion using regularly varying functions
<b>P91</b>	Nicholas Husek	New Methods for Data Editing
<b>P92</b>	Rachel Barker	Application of Conditional Selection Methods to two-stage selection processes
<b>P93</b>	Sada Nand Dwivedi	Comparisons of Regimens under Neoadjuvant Chemotherapy of the treatment of Breast Cancer Patients: Network Meta-analysis
<b>P94</b>	Hisashi Noma	Bartlett correction for multivariate meta-analysis and meta-regression
<b>P95</b>	Kazue Yamaoka	Multivariate network meta-analysis of multiple outcomes and multiple treatments for type 2 diabetes by consistency and inconsistency models

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<b>P96</b>	Maxwell Cairns	Another look at describing heterogeneity in meta-analyses
<b>P97</b>	Hao Zhang	The usefulness of prediction intervals in interpreting single-study effect estimates in Meta-analyses
<b>P98</b>	Attila Csala	Multi-block sparse redundancy analysis for high dimensional omics data
<b>P99</b>	Eva-Maria Huessler	Detecting binding sites in PAR-CLIP data using a Bayesian hierarchical model
<b>P100</b>	Takeshi Otowa	Genome-wide gene-environment study of depression in Japanese employees
<b>P101</b>	Ramzi El Feghali	Pathways involved in isolated hypertension and early atherosclerosis development
<b>P102</b>	Sevilay Karahan	Clustering Psychotic Disorders by Using Kohonen Self Organizing Maps
<b>P103</b>	Stanislav Katina	Functional analysis of patient's health condition after TKR and its development throughout time
<b>P104</b>	Eun Jin Jang	Bayesian hierarchical model for discrete ordinal category data using the stochastic ordering technique to obtain the proper ROC curve
<b>P105</b>	Vuong Nguyen	A Probabilistic Forecast of 12 Month Visual Outcomes in Patients with Neo-vascular Age-Related Macular Degeneration
<b>P106</b>	Asanao Shimokawa	Statistical construction of a decision tree
<b>P107</b>	jean-michel nguyen	Forest of perfect trees
<b>P108</b>	Brett Andrijich	Using Segmentation to Drive Customer Sales and Retention
<b>P109</b>	Vineet Kumar Kamal	A comparison of the modern machine learning methods for prognostication of patients with traumatic brain injury

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**Poster Pitch Presentations: Monday 27 August  
Main Foyer 3**

**Session 1: 13:30-15:00  
Chair: John Carlin, Student judge: Kelsey Grantham**

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Chair: Tim Brown, Student judge: Marnie Downes**

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