Patents - Publications

Scientific Communications

February 6, 2019. DIA EUROPE 2019 (Vienna)

Saad ED, Buyse M. From Precision to Personalized Medicine: Generalized Pairwise Comparisons as a Tool to Individualized Treatment Choices.

June 4, 2019. Precision medicine in drug development (Allschwil, Basel)

Burzykowski T. Generalized pairwise comparisons for precision medicine.

June 26, 2019. DIA Global Annual Meeting (San Diego, CA)

Buyse M, Saad E. Generalized Pairwise Comparisons for Benefit/Risk Assessment in Personalized Medicine.

June 25, 2019. Health Tech Investors Days (Paris)

Saad E. Generalized Pairwise Comparisons.

July 15-17, 2019. 40th Annual Conference of the International Society for Clinical Biostatistics (Leuven)

Cantagallo E, De Backer M, Péron J, Kicinski M, Collette L, Legrand C, Buyse M. A new measure to report the treatment effect in clinical trials involving competing risks (oral presentation).

Giai J, Péron J, Ozenne B, Buyse M, Maucort-Boulch D. Net benefit estimation with multiple correlated prioritized outcomes using generalized pairwise comparisons: a simulation study (poster presentation).

November 2-6, 2019. ISPOR Europe 2019 (Copenhagen)

Chiem JC, Cantagallo E, Kicinski M, Saad E, Buyse M, Ciani O, Generalized Pairwise Comparison to Support Quantitative Multiple Criteria Decision Analysis.

June 28, 2021. DIA Global Annual Meeting (Virtual)

Deltuvaite-Thomas V. Paving the Way Towards Personalized Medicine (oral presentation)

July 18-22, 2021. 42nd Annual Conference of the International Society for Clinical Biostatistics (Virtual)

Deltuvaite-Thomas V, Burzykowski T. Operational characteristics of generalized pairwise comparisons (GPC) for hierarchically ordered endpoints. (poster presentation)

August 12,2021. Joint Statistical Meetings (JSM) (Virtual)

Deltuvaite-Thomas V, Burzykowski T. Operational characteristics of generalized pairwise comparisons (GPC) for hierarchically ordered endpoints. (oral presentation)

October 6-8, 2021. Women in Statistics and Data Science conference (Virtual)

Deltuvaite-Thomas V, Burzykowski T. Operational Characteristics of Generalized Pairwise Comparisons method in the Presence of Missing Data. (oral presentation)

Papers Published

Péron J, Giai J, Maucourt-Boulche D, Buyse M. The benefit-risk balance of nab-paclitaxel in metastatic pancreatic adenocarcinoma. Pancreas 48:2, 2019.

Péron J, Munier A, Lambert S, Ozenne B, Giai J, Roy P, Maucort-Boulch D, Buyse M. Net long-term survival benefits in randomized trials of immune checkpoint inhibitors. J Natl Cancer Inst DOI: 10.1093/jnci/djz030, 2019.

Cantagallo E, De Backer M, Kicinski M, Ozenne B, Collette L, Legrand C, Buyse M, and Péron J. A new measure of treatment effect in clinical trials involving competing risks based on generalized pairwise comparisons. Biometrical Journal. https://doi.org/10.1002/bimj.201900354

Buyse M, Saad E, Burzykowski T, Péron J. Assessing treatment benefit in immuno-oncology. Stat in Biosciences, 2020. https://doi.org/10.1007/s12561-020-09268-1

Giai J, Péron J, Ozenne B, Chiem JC, Buyse M, Maucort-Boulch D. Net benefit in the presence of correlated prioritized outcomes using generalized pairwise comparisons: a simulation study. Statistics in Medicine, 2020. DOI: 10.1002/sim.8788

Péron J, Idlhaj M, Maucort-Boulch D, Giai J, Roy P, Collette C, Buyse M, Ozenne B. Unbiased estimate of the net survival benefit in the presence of censored observations. In press to Biometrical Journal.

Verbeeck J, Deltuvaite-Thomas V, Berckmoes B, Burzykowski T, Aerts M, Thas O, Buyse M, Molenberghs G. Unbiasedness and efficiency of non-parametric and UMVUE estimators of the probabilistic index and related statistics. Stat Meth Med Res doi:10.1177/0962280220966629, 2020.

Buyse M, Saad E, Péron J, Chiem JC, De Backer M, Cantagallo E, Ciani O. The Net Benefit of a treatment should take the correlation between benefits and harms into account. J Clin Epidemiol 2021, DOI:https://doi.org/10.1016/j.jclinepi.2021.03.018

Deltuvaite-Thomas V, Burzykowski T. Operational characteristics of generalized pairwise comparisons for hierarchically ordered endpoints. Pharmaceutical Statistics, 2021; DOI: 10.1002/pst.2156

Book and online chapters

Buyse M. Prioritized multiple outcomes. In: Wiley StatsRef: Statistics Reference Online, https://onlinelibrary.wiley.com/doi/abs/10.1002/9781118445112.stat08158, 2019.

Buyse M. Generalized pairwise comparisons. In: Wiley StatsRef: Statistics Reference Online, https://onlinelibrary.wiley.com/doi/10.1002/9781118445112.stat08224, 2019.

Buyse M, Péron J. Generalized pairwise comparisons for prioritized outcomes. In: Principles and Practice of Trials. (Piantadosi S, Meinert C, eds.) : Springer, New York, 2020.