

Symposium Program on Dose Selection for Cancer Treatments: May 12, 2017

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Title: Simulation Studies of Two Dose Escalation Methods for Oncology Drug Combination Therapies

Abstract:

To address the increasing need for more efficient designs, especially for drug combination studies, we evaluated two promising model-based dose escalation methods: Bayesian logistic regression model (BLRM) method and product of independent beta probabilities escalation (PIPE) method in the literature. Eight different simulation scenarios were designed to compare the performance of these two methods. The simulation results and the findings will be discussed.