UNDERSTAND RISKS IN DRUG DEVELOPMENT THROUGH SIMULATION

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ABSTRACT

Running a clinical trial program that leads to the approval of a new medical compound takes a tremendous amount of investment. The probability of success is low, and properly evaluating and understanding this risk is crucially important to drug companies with large portfolios. Simulation-based modeling plays an increasingly critical role in this endeavor. In this talk, I will discuss how simulation guided design can significantly reduce cost of a trial through assessing risk-benefit trade-offs from a drug safety perspective.