

Title: Power Simulation of Incomplete Block Design in Early Phase Clinical Studies

The presentation deals exclusively with crossover designs for comparing treatments when the number of periods is less than the number of treatments. The Balanced and Unbalanced Incomplete Block Design were discussed, and then the selection criterion was built. The power simulation was given and used to compare the selected cross design with classical optimal design. It is expected that the selected design has high efficiency under the above constraints. At last, the sample size estimation was also discussed to guide in practice approaching.