

Title: Methods for analysis of Quality of Life data in clinical trials

Abstract:

This talk has two components:

1. A new method for analysis of Time and Probability Trade-offs
2. Review of Quality Adjusted Survival methods

Time trade-offs are data on patient preferences for treatments with a period of toxicity that might reduce quality of life. Patients are asked (in a carefully structured way) what extra survival benefit they would require to undertake the treatment. In some cases, patients who have completed treatment are asked to make similar judgements based on their own experience of the treatment. A new approach to analysis of time trade-off data is described, with comparison with existing approaches.

Quality Adjusted Survival methods attempt to integrate patient utilities based on quality of life evidence with survival. A well known associated calculation is that of Quality Adjusted Life Years. Quality Adjusted Survival methods are illustrated in the context of three examples.