

Analyses of Published Prostate Dataset

Brian T. Luke (lukeb@ncifcrf.gov)

Adam and coworkers [[Ada-02](#)] produced mass spectra for individuals in four different groups; prostate cancer (T₁/T₂), prostate cancer (T₃/T₄), benign prostate hyperplasia (BPH), and individuals with healthy prostates. Several classification studies using subsets of these four datasets are presented.

BPH versus Healthy

[Original Published Analysis](#) [[Luk-07](#)]

This analysis performed a classification analysis of the BPH and healthy datasets using a preliminary version of the [BioMarker Development Kit](#) (BMDK), [decision trees](#) (DT), and a [medoid classification algorithm](#) (MCA). The results using the original data are compared to the same data after the sample labels (histologies) are randomly permuted.

(Last updated 5/1/07)