Fig. 9: An example of the usage of categorization framework on a demo-patient

Highlights

- Clinical and PCA1: PCA-transformed clinical features are significantly correlated with the duration of surgical response in TN

- Imaging and SVM: Imaging data (T1) allows for predicting the duration of surgical response with an average accuracy of 92%

- Unique clinical expression and high accuracy of imaging-based prediction suggest that TN classes defined based on the surgery outcome are distinguishable.

- Both pre-surgical clinical features and T1 metrics provide information regarding the factors that might serve as surgical outcome prognosticators in TN