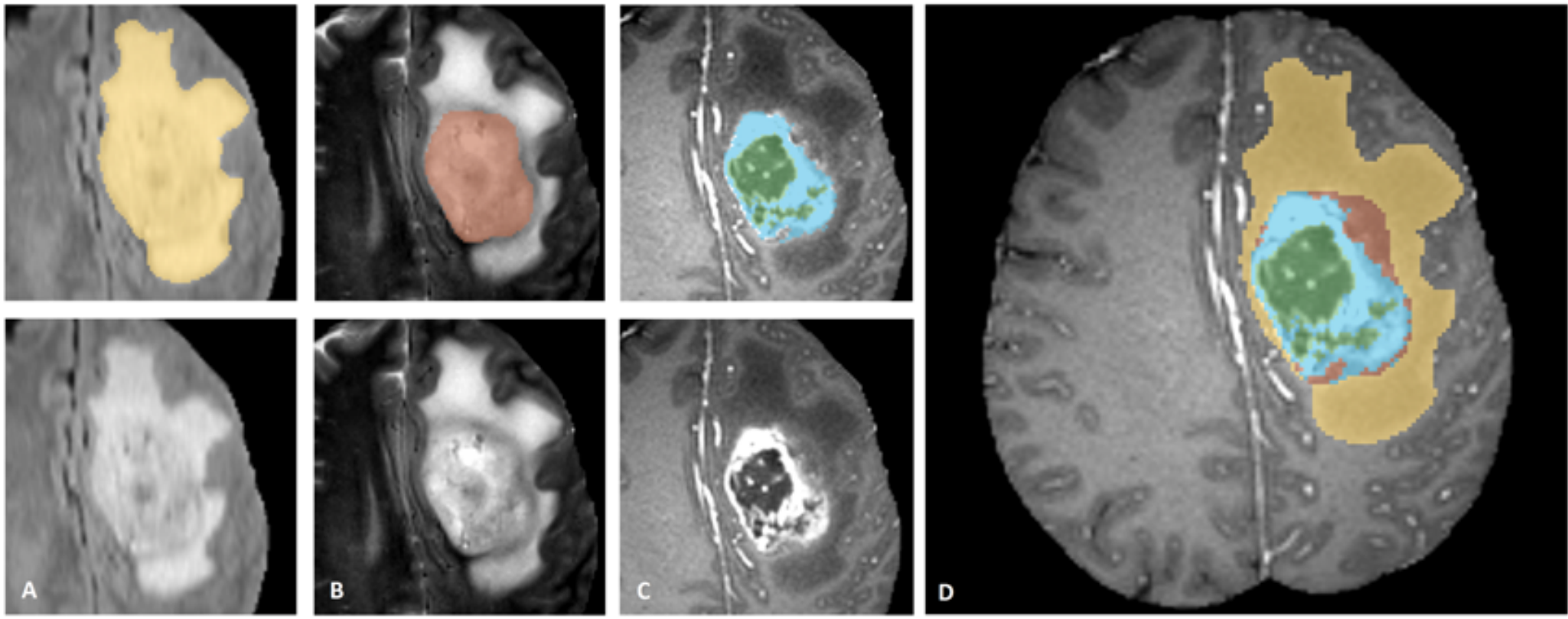
BRATS 2013
Tumor Segmentation Challenge

Example 5

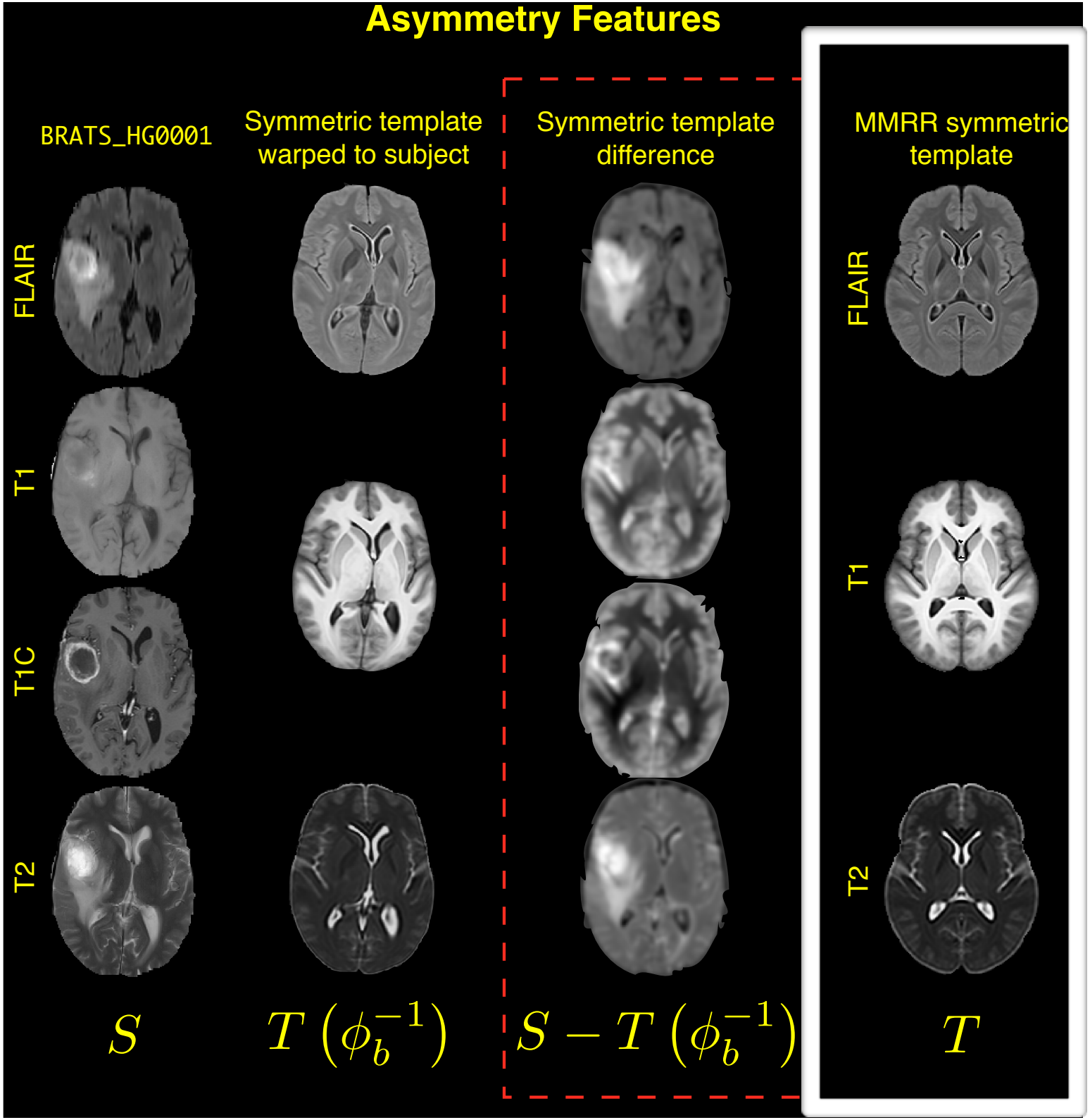
Multivariate Tumor Segmentation



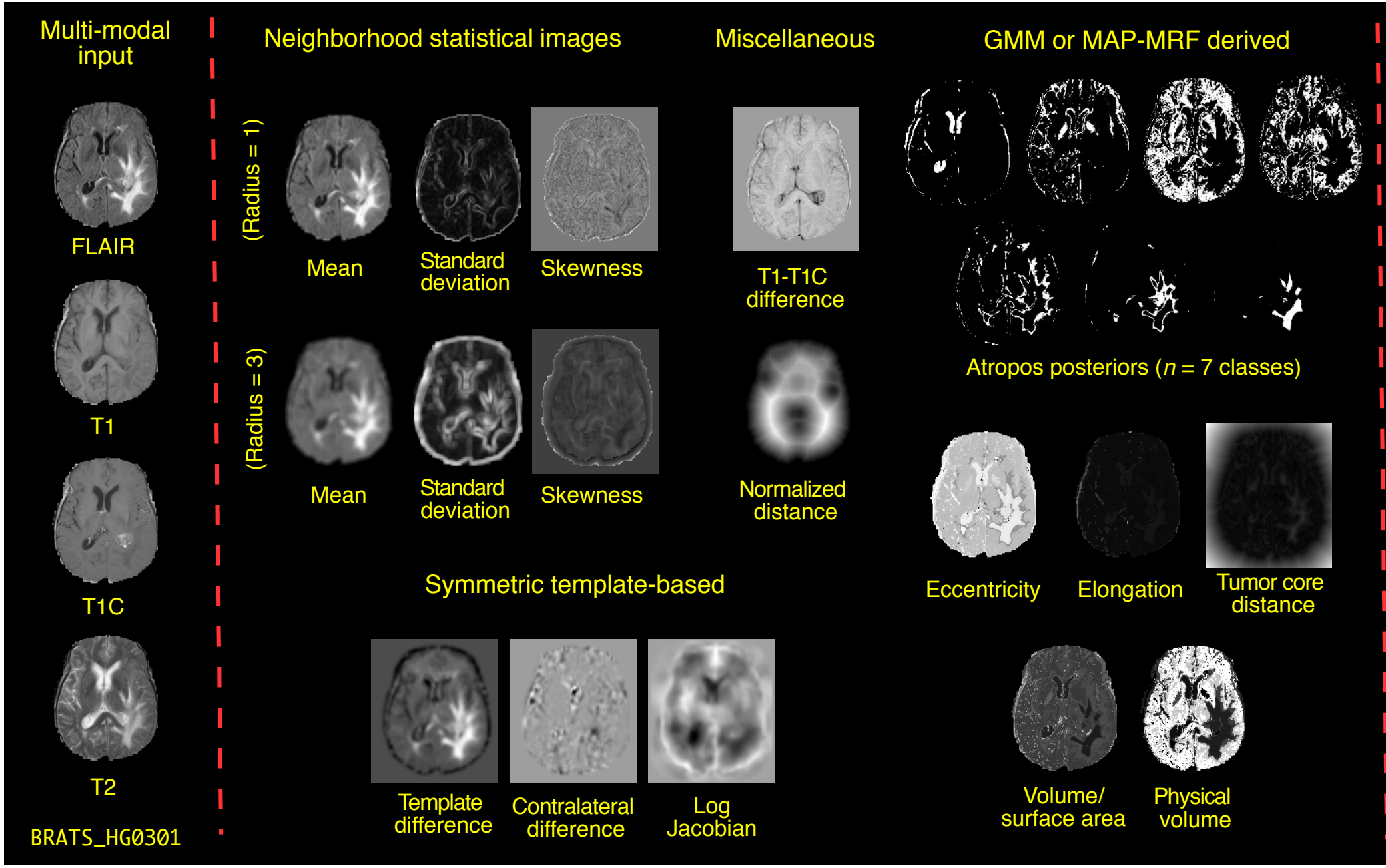
ual annotation through expert raters. Shown are image patches with the tumor structures that are annotated in the different mod
labels for the whole dataset (right). The image patches show from left to right: the *whole* tumor visible in FLAIR (A), the tumo
nhancing *active* tumor visible in T1c (blue), surrounding the cystic/necrotic components of the core (green) (C). The segmentatio
he final labels (D): edema (yellow), non-enhancing solid core (red), active core (blue), non-solid core (green).

ANTsR

BRATS 2013 *ANTsR* Features



BRATS 2013 *ANTsR* Pipeline



Multiple Modality Feature Importance

BRATS 2013			
Real data Dice (in %)	whole *HG only*	core *HG only*	active
Cordier	84	68	65
Doyle	71	46	52
Festa	72	66	67
Meier	82	73	69
Reza	83	72	72
Tustison	<u>87</u>	<u>78</u>	<u>74</u>
Zhao (II)	84	70	65

MICCAI BRATS Workshop
presents the 2013 "certificate of awesomeness"

1st Place Award

to

Nick Tustison

for

the top-performing multi-modal brain tumor segmentation algorithm

Presented on September 22, 2013

[Bruce Lee]

[Barak H. Obama]

Only competitors to release their solution:

https://github.com/ntustison/BRATS2013