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Hierarchical Brain Tumour Segmentation using Extremely Randomized Trees

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## ACCEPTED MANUSCRIPT

| Highlights  | 1   |
|---|-----|
| • Hierarchy of Extremely Randomized Forest for glioma segmentation.               | 2   |
| • Appearence and context features, some extracted over non-linearities applied to | О з |
| MRI.  | 4   |

- Low Grade Glioma data augmentation, for a balanced training set.
- Top Dice score for core and enhanced regions in BRATS 2013 Challenge and Leaderboard.

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