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Multimodal imaging of brain tumors

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Stellingen behorende bij het proefschrift

Multimodal imaging of brain tumors

Treatment planning, prognostication and treatment follow-up with MRI and PET

1. 2HG MR spectroscopy reliably correlates with the tissue 2HG concentration in low grade glioma – *chapter 2, this thesis*
2. Volume-based methionine PET parameters better predict survival than classical SUV-based parameters in glioblastoma – *chapter 3, this thesis*
3. Diffusion MRI suggests that the subventricular zone is infiltrated by tumor cells in glioblastoma – *chapter 4, this thesis*
4. Ventricle contacting glioblastomas demonstrate more aggressive imaging features – *chapters 5 and 6, this thesis*
5. Perfusion MRI has a high reliability for differentiating tumor progression from treatment effects in glioblastoma patients – *chapters 7 and 8, this thesis*
6. Despite the high accuracy of amino acid PET for treatment evaluation in glioblastoma patients, it offers limited added value to MRI – *chapters 9 and 13, this thesis*
7. Current follow-up imaging during adjuvant chemotherapy in glioblastoma patients is often not meaningful – *chapter 11, this thesis*
8. An unbiased appreciation of uncertainty is a cornerstone of rationality – *Daniel Kahneman in Thinking, fast and slow*
9. Success is 1% inspiration, 98% perspiration, and 2% attention to details – *Phil Dunphy in Modern Family*
10. The delivery of medical care is to do as much nothing as possible – *Samuel Shem in The house of God*