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Advanced MR image analysis in sporadic and Dutch-type hereditary Cerebral Amyloid Angiopathy

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Stellingen behorende bij het proefschrift getiteld:

Advanced MR image analysis in sporadic and Dutch-type hereditary Cerebral Amyloid Angiopathy

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1. One size does not fit all; standard neuroimaging analysis pipelines often fail in the presence of severe brain pathology. (based on this thesis, Chapter 4)
2. Look closely, but also, do not forget to zoom out; understanding disease mechanisms starts with isolation of mechanisms, but needs to be followed by a more holistic view. (based on this thesis, Chapter 8)
3. Post processing enables measurement of disease progression with increased sensitivity, allowing for detection of early and subtle deviations, in comparison to qualitatively assessable markers. (based on this thesis, Chapter 8)
4. Dutch-type Cerebral Amyloid Angiopathy allows us to study isolated disease mechanisms in a relatively 'pure' form of the disease. When thinking about clinical implications or treatment, age-related comorbidities that typically occur in sporadic Cerebral Amyloid Angiopathy should be considered. (based on this thesis, Chapter 8)
5. Clinical research cannot exist without its participants. Considering this, researchers should be aware of the mental load that research participation can have for participants – for researchers it is a day at work, for participants it can be a confronting moment with the disease, potential disease progression, and future.
6. Being involved in data collection gives a feeling for your data and allows for optimized data interpretation.
7. Understanding underlying disease mechanisms is crucial for identifying disease targets and developing effective and safe treatment with minimal negative side effects.
8. To test hypotheses, it is required to make assumptions.
9. An ever-questioning mindset is an underrated and underappreciated researcher's trait.
10. It is highly alarming that some academics consider the research structure as a food chain, which implies an authoritative, competitive, and potentially even predatory system, whereas any hierarchy should form a collaborative, supportive, and growth-oriented system.
11. It is important to identify an environment where you can thrive. Such an environment can function in the way that a safety net does in your personal life.