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**Title:** MR imaging in cerebral amyloidoses : entering a new phase

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## Stellingen bijbehorend bij het proefschrift

### “MR imaging in cerebral amyloidoses: entering a new phase”

1. Cortical phase changes in AD patients at 7T MRI are an important new MRI marker despite the fact that the origin of this phase change is not well known (this thesis).
2. 7T MRI has the ability to detect cerebral changes in AD patients that shed a new light on the pathogenesis of the disease (this thesis).
3. Ex vivo findings are not a free pass for in vivo replication (this thesis).
4. Cerebral microbleeds should be taken into account for the diagnosis of sporadic cerebral amyloid angiopathy (this thesis).
5. ‘Different models of the temporal evolution of AD biomarkers might exist for early-onset versus late-onset AD primarily because cognitive and neurodegenerative biomarker abnormalities due to non-AD pathologies and to aging all may precede or co-occur with AD pathology in the elderly’ (Jack & Holtzman, *Neuron* 2013; 80: 1347-1358).
6. ‘Presymptomatic AD testing is not fail-proof, but doing nothing is sure to fail. As a generation, we must refuse to forget who we are’ (M. Comer, *Alzheimer’s & Dementia* 2008; 4: 368-370).
7. ‘The value of any imaging technology will ultimately be determined by its contribution to meeting the challenge of finding and using effective therapies’ (Johnson et al., *Cold Spring Harb Perspect Med* 2012; 2: a006213).
8. ‘The improved visualization of fine anatomical structures possible with modern 7T systems suggests the widespread clinical use of such systems is just a matter of time’ (J.H. Duyn, *Neuroimage* 2012; 62: 1241-1248).
9. In science thinking interferes with practical activities.
10. ‘You only know yourself because of your memories’ (Andrea Gilles, In: ‘Keeper: Living with Nancy: A journey into Alzheimer’s’; 2010, chapter 16).
11. ‘Great scientific contributions have been techniques’ (B.F. Skinner, In: ‘B.F. Skinner a reappraisal’; 1995, chapter 3, page 25).
12. ‘Time spent with cats is never wasted’ (Sigmund Freud, In: ‘Psychology: Concepts and connections’; 2010, chapter 14, page 513).