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**Author:** Boogers, Johannes Maria Josephus  
**Title:** Novel insights into cardiac imaging in cardiovascular disease  
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Stellingen
Behorend bij het proefschrift

Novel Insights into Cardiac Imaging in Cardiovascular Disease

1. Automated quantification of coronary artery stenosis is superior to visual assessment of coronary atherosclerosis when compared to invasive coronary angiography (This thesis)

2. Beyond luminography, quantitative computed tomography allows a detailed assessment of coronary plaque characteristics in comparison to intravascular ultrasound (This thesis)

3. Gated myocardial perfusion SPECT can be used to evaluate myocardial ischemia, viability and scar tissue along with mechanical dyssynchrony which altogether provides valuable information in patients with heart failure (This thesis)

4. Phase analysis on gated myocardial perfusion SPECT represents a feasible technique for evaluation of left ventricular systolic and diastolic dyssynchrony in patients with heart failure (This thesis)

5. Cardiac sympathetic denervation predicts ventricular arrhythmias causing appropriate ICD therapy as well as the composite of appropriate ICD therapy or cardiac death (This thesis)

6. Cardiac imaging is an integral part of the evaluation and management of patients with known or suspected heart disease, and substantial advances in technology have led to advancing clinical applications and enhancing diagnostic accuracy (Hendel et al. Circulation 2008; 119:154-186)

7. Computed Tomography can provide reasonable accurate quantification of coronary plaque, on the basis of differences in tissue attenuation (Sanz et al. Nature 2008; 451:953-957)
8. The role of nuclear imaging with gated SPECT myocardial perfusion imaging in cardiac resynchronization therapy has been described as a “one-stop shop” to predict cardiac resynchronization therapy response (Aijaroudi et al. Circ Cardiovasc Imaging 2011; 4:334-343)


10. Luctor et Emergo (Zeeuwse Staten, 1585)

11. “A pessimist sees the difficulty in every opportunity, whereas an optimist sees the opportunity in every difficulty” (Winston Churchill, 1874-1965)

12. Op weg naar de ‘proef van wetenschappelijk bekwaamheid’ doorloopt men vele fasen, te beginnen met de te naamstelling tot wetenschappelijk onderzoeker (M.(M/J). Boogers)