The handle http://hdl.handle.net/1887/38594 holds various files of this Leiden University dissertation

Author: Haan, Melina C. den
Title: Cell therapy in ischemic heart disease models: role of inflammation, paracrine factors and hypercholesterolemia
Issue Date: 2016-03-23
1. The inflammatory response after myocardial infarction constitutes a precarious balance since it is indispensable for reparative scar tissue formation but may also cause additional injury to the heart. (this thesis)

2. In the mouse model, myocardial infarction by transient ligation inflicts minimal damage, hampering its usefulness in cell therapy research. (this thesis)

3. Rodent animal myocardial infarction models for cell therapy research seem less robust than initially envisioned, potentially due to the presence of unrecognized experimental variables that critically determine outcome. (this thesis)

4. Cardiac cell therapy research using mesenchymal stromal cells shows equivocal results. (this thesis)

5. Targeting specific inflammatory mediators may not salvage a significant number of cardiomyocytes in reperfused infarcts, but may protect from chamber dilation and adverse remodelling, the hallmarks of post-infarction heart failure. (Christia P et al. Eur J Clin Invest. 2013 Sep;43(9):986-95)

6. The exact mechanism of action of mesenchymal stromal cells in regenerative medicine is still unresolved. (adapted from Williams AR et al. Circ Res. 2011 Sep 30;109(8):923-40)

7. It is the curative allure of stem cell therapy that explains why translational efforts have proceeded at lightning speed. (adapted from Sanganalmath SK et al. Circ Res. 2013 Aug 30;113(6):810-834)

8. Conclusions from myocardial infarction models regarding potential clinical outcome are often based on extrapolation of specific functional endpoints, whereas actual relevance to clinical outcome is limited. (adapted from Frangogiannis NG. Nat Rev Cardiol. 2014 May;11(5):255-65)

9. Rule for negative numbers: multiplying two negatives makes a positive result.

10. Als het (cardio)logisch is, moet het kloppen. (Proefschrift Bas Bekkers 2011)