CONTENTS

Chapter 1 11
General Introduction and Outline of the Thesis

Chapter 2 21
Standardizing the definition of hyperenhancement in the quantitative assessment of infarct size and myocardial viability using delayed contrast-enhanced CMR


Chapter 3 33
Quantification of late gadolinium enhanced CMR in viability assessment in chronic ischemic heart disease: a comparison to functional outcome

Journal of Cardiovascular Magnetic Resonance 2009; 11:6

Chapter 4 47
Functional outcome after revascularization in patients with chronic ischemic heart disease: a quantitative late gadolinium enhancement CMR study evaluating transmural scar extent, wall thickness and periprocedural necrosis


Chapter 5 63
Time course of functional recovery after revascularization of hibernating myocardium: a contrast-enhanced Cardiovascular Magnetic Resonance study


Chapter 6 79
Impact of scar on water-perfusable tissue index in chronic ischemic heart disease: evaluation with PET and contrast-enhanced MRI

Molecular Imaging and Biology 2006; 8: 245-251

Chapter 7 95
Prediction of functional recovery after revascularization in patients with chronic ischemic myocardial dysfunction: perfusable tissue index by positron emission tomography and contrast-enhanced MRI comparison study

Nuclear Medicine Communications 2011; 32: 1169-1173
Chapter 8 107
Revascularization in patients with chronic ischemic myocardial dysfunction: insights from Cardiovascular Magnetic Resonance Imaging
Submitted

Chapter 9 115
Summary and future perspectives

Chapter 9 121
Samenvatting

Dankwoord 127
Curriculum Vitae 129
List of Publications 130