

TABLE OF CONTENTS

| | | |
|------------------|--|------------|
| Chapter 1 | General introduction and outline of the thesis | 9 |
| Chapter 2 | Principles and techniques of imaging in identifying the substrate of ventricular arrhythmia <i>Journal of Nuclear Cardiology. 2016 Apr;23(2):218-34.</i> | 19 |
| Chapter 3 | Clinical impact of cardiac magnetic resonance imaging versus echocardiography-guided patient selection for primary prevention implantable cardioverter defibrillator therapy <i>American Journal Of Cardiology. 2015 Aug;116(3):406-12.</i> | 49 |
| Chapter 4 | Myocardial denervation coincides with scar heterogeneity In ischemic cardiomyopathy: a PET and CMR study <i>Journal Of Nuclear Cardiology. 2015 Nov, Epub Ahead Of Print.</i> | 67 |
| Chapter 5 | Impaired hyperemic myocardial blood flow is associated with inducibility of ventricular arrhythmia in ischemic cardiomyopathy <i>Circulation: Cardiovascular Imaging. 2014 Jan;7(1):20-30.</i> | 85 |
| Chapter 6 | Sympathetic denervation is associated with microvascular dysfunction in non-infarcted myocardium in patients with cardiomyopathy <i>European Heart Journal- Cardiovascular Imaging. 2015 Jul;16(7):788-98.</i> | 111 |
| Chapter 7 | Non-invasive imaging to identify susceptibility for ventricular arrhythmia in ischaemic left ventricular dysfunction <i>Heart. 2016 Jun;102(11):832-40.</i> | 135 |
| Chapter 8 | Left atrial emptying fraction predicts ventricular arrhythmia in patients with implantable cardioverter-defibrillators <i>Submitted.</i> | 159 |
| Chapter 9 | General summary and future perspectives | 183 |
| | Nederlandse samenvatting | 191 |
| | Dankwoord | 198 |
| | Curriculum Vitae | 202 |
| | List of publications | 203 |