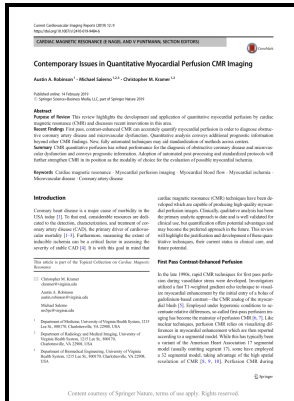


# Clinical application of current techniques and treatment in cardiology

S. Karger - Point



Description: -

-  
Heart -- Surgery -- Congresses.  
Heart valves -- Diseases -- Congresses.  
Heart -- Abnormalities -- Congresses.  
Coronary heart disease -- Congresses. Clinical application of current techniques and treatment in cardiology

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Tags: #Current #and #new #clinical #applications #for #CMR: #myocardial #tissue #characterisation

## Pharmacy

Cardiovascular Regenerative Medicine is an essential resource for physicians, residents, fellows, and medical students in cardiology and cardiovascular regeneration as well as clinical and basic researchers in bioengineering, nanomaterial and technology, and cardiovascular biology. Increased right ventricular mechanical dispersion above 29 msec is associated with increased risk for malignant arrhythmias in patients with arrhythmogenic right ventricular cardiomyopathy Figure 5. The installation of a new Cath lab system offering the integrations of different imaging modalities in one image underlines this importance.

## Point

The laser illumination is grouped into 3 categories of applied power: low, medium and high.

## Percutaneous Valve Interventions

Two PhD students are now working on the regional programs. Subsequent chapters explore the clinical applications and translational potential of current technologies such as cardiac patch-based treatments, cell-based regenerative therapies, and injectable hydrogels. The book incorporates recent advances in the biology, biomaterial design, and manufacturing of bioengineered cardiovascular tissue with their clinical applications to bridge the basic sciences to current and future cardiovascular treatment.

## Current and new clinical applications for CMR: myocardial tissue characterisation

Late outcome studies of the surgical treatment of functional mitral regurgitation are being finalized. With the introduction of the percutaneous aortic valve program, the percutaneous treatment of mitral valve disease and in the coming years the tricuspid program it will become possible to treat high risk patients and to improve survival and quality of life.

## Artificial intelligence in cardiology

Recommendations for the evaluation of left ventricular diastolic function by echocardiography. Calculations of cardiovascular shunts and regurgitation using magnetic resonance ventricular volume and aortic and pulmonary flow measurements.

### **Percutaneous Valve Interventions**

As these techniques are less invasive, they will be potentially performed in an earlier stage of valve disease, when the clinical benefits are more probable. The program is strongly embedded in the Vascular and Regenerative Medicine Profile of the LUMC and in the international network with participation in several larger program consortia. Stereotactic ablative radiotherapy for the treatment of refractory cardiac ventricular arrhythmia.

### **[Laser therapy application in invasive cardiology. Current state and future trends]**

Recent, evolving technological advances enable the development of novel POCT instruments. While these results are encouraging, the impact of PCSK9 inhibitors on Lp a is fairly modest, and additional analysis is needed before PCSK9-inhibitors can be recommended as Lp a -targeted therapy. It provides a much-needed review of the rapid development and evolution of bio-fabrication techniques to engineer cardiovascular tissues as well as their use in clinical settings.

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