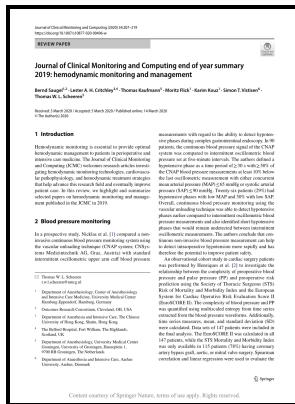


Clinical application of current techniques and treatment in cardiology

S. Karger - Current and new clinical applications for CMR: myocardial tissue characterisation



Description: -

Heart -- Surgery -- Congresses.

Heart valves -- Diseases -- Congresses.

Heart -- Abnormalities -- Congresses.

Coronary heart disease -- Congresses.Clinical application of current techniques and treatment in cardiology

v. 17

Advances in cardiology ;Clinical application of current techniques and treatment in cardiology

Notes: Includes bibliographies and index to v. 1-16 of the series.

This edition was published in 1976



Filesize: 24.810 MB

Tags: #Lipoprotein(a) #in #Clinical #Practice

Current Challenges in Noninvasive Radioablation of VT

The translational focus on inflammation and proteases is shifting towards the role of impaired repair fibrosis in perpetuating the disease. Within this theme the studies on primary and secondary pulmonary hypertension are incorporated as well.

Remote Cardiac Monitor Data and Artificial Intelligence: Transforming Clinical Applications for Heart Patients

Cardiovascular magnetic resonance prior to surgical treatment of chronic thrombo-embolic pulmonary hypertension.

Current Challenges in Noninvasive Radioablation of VT

The success of the percutaneous program also heavily depends on different imaging techniques. Furthermore, new care interventions are prospectively evaluated using systemically so-called prospective risk analysis.

Clinical applications

Recommendations for the evaluation of left ventricular diastolic function by echocardiography. These therapies, while promising, require additional research prior to becoming mainstream therapies. The traditional volume measurement-based echocardiographic parameters are indirect means of assessing myocardial function, and are insensitive to early changes in myocardial function.

Current Challenges in Noninvasive Radioablation of VT

A phase 2 trial of AKCEA apo a -LRx, an apo a antisense oligonucleotide, reduced Lp a up to 80%. One current theory includes a two-pronged contribution by the Lp a molecule. Quantitative assessment of cardiac motion using multiphase computed tomography imaging with application to cardiac ablation therapy.

Current Challenges in Noninvasive Radioablation of VT

Peri-procedural risks are typically extremely low due to the noninvasive nature of treatment; this is one of the biggest advantages of noninvasive radioablation over catheter ablation. Hot balloon angioplasty, laser thermal angioplasty, excimer and holmium laser utilization, transmyocardial laser revascularization are described as high power techniques. 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.

Cardiovascular Regenerative Medicine

Increased mobile water content associated with edema appears hyperintense on T2W-STIR images Figure 3. As vascular surgeons, cardiothoracic surgeons and cardiologists together with interventional radiologist are already working together on this subject it is a logical next step to fuse the different research groups into one program. In healthy individuals, peak systolic longitudinal strain in the free right ventricular wall is approximately $-28 \pm 4\%$.

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