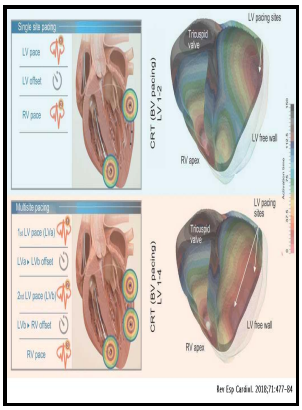
Novel approach to optimization of paced AV delay using atrial contribution index

Nova Science Publishers - Echocardiographic AV



Description: -
-
Labor supply -- Yugoslavia
Ventricular Function -- physiology
Cardiac Pacing, Artificial -- methods
Atrioventricular Node -- physiology
Atrial Function -- physiology
Heart Failure -- therapy
Pulse oximeters
Heart atrium -- Research -- Methodology
Cardiac pacingnovel approach to optimization of paced AV delay using atrial contribution index
-novel approach to optimization of paced AV delay using atrial contribution index
Notes: Includes bibliographical references.
This edition was published in 2008

Tags: #Cardiac #cycle #synchronized #sampling #of #impedance #signal

US9586050B2

Von Knorre GH, Petzsch M, Ismer B: Approximation of optimal atrioventricular delay in DDD pacemaker patients with atrioventricular block by oesophageal electrocardiography. Additional outcome measures included changes in exercise capacity, plasma neurohormones, left ventricular function, and overall HF status.

Echocardiography

For example, the identified A-V intervals may be displayed on a graphical user interface along with heterogeneity information.

Cardiac cycle synchronized sampling of impedance signal

In one or more embodiments, the electrical heterogeneity information may include a left standard deviation of surrogate electrical activation times monitored by the two or more left external electrodes, and identifying a A-V interval from the plurality of different A-V intervals based on the electrical heterogeneity information may include identifying the A-V interval from the plurality of different A-V intervals that generated the lowest left standard deviation. The EGM-based index may be re-determined to verify that it has returned to a value of approximately 50 ms. Experimental results confirm that the generated data can reflect the regularity of the original monitoring data after a large number of network training iterations.

Optimization of the atrioventricular delay in sequential and biventricular pacing: physiological bases, critical review, and new purposes

Others have a too long AV delay, also leading to a suboptimal diastolic filling time.

Echocardiographic AV

Ishikawa's formula was thought to be used in programming BIC devices, while the Meluzin's in BiV pacing. The electrode apparatus 110 as shown includes a plurality of electrodes incorporated, or included, within a band wrapped around the chest, or torso, of a patient 14. J Interv Card

Electrophysiol 4:395—404.

Comparison of quick optimization of interventricular delay between simple methods: intracardiac electrogram and surface electrocardiogram after cardiac resynchronization therapy

Keywords: Character Animation; Skinning; Skeleton-Based Animation. In other words, a plurality of images taken over time using the imaging apparatus may provide video frame, or motion picture, data. Furthermore, different categories of cross project data are taken for training and testing to analyze various statistical models.

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