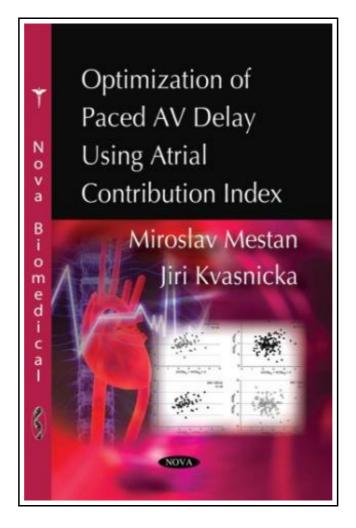
Optimization of Paced AV Delay Using Atrial Contribution Index



Filesize: 64.04 KB

Reviews

The publication is great and fantastic. It can be filled with knowledge and wisdom You wont truly feel monotony at at any moment of your time (that's what catalogues are for about if you ask me). (Dr. Marcos Grimes III)

OPTIMIZATION OF PACED AV DELAY USING ATRIAL CONTRIBUTION INDEX



Nova Science Publishers Inc. Paperback. Book Condition: new. BRAND NEW, Optimization of Paced AV Delay Using Atrial Contribution Index, Miroslav Mestan, Jiri Kvasnicka, The hemodynamic effect of the atria on the net performance of the heart is called atrial contribution (AC). AC is either linked to ventricular filling or to the systolic function of the heart, i.e. to the systolic volume or cardiac output. Several noninvasive methods for the quantification of AC are described in literature but none of them are routinely used in cardiac pacing centres due to the time-consuming nature of the methods, the limited reproducibility of measured values and observer dependency. The aim of these studies was to develop a method for determining optimal AV delay in patients treated by dual chamber pacing using an index (ACSp) that quantifies atrial contribution to the systolic volume of the left ventricle. The new method is based on the quantitative analysis of a beat to beat decrease in the amplitude of the pulse oximetry signal (SpO2). The change in the amplitudes is induced by a sudden drop of the stimulus to the right atrium, while maintaining the rate of ventricular stimuli at a constant level. The obtained ACSp is given as a percentage of the pulse amplitude of SpO2. The method is independent of the observer, noninvasive and relatively fast. In a group of 47 patients, remarkable similarities between ACSp and another atrial contribution index estimated using the tracings of invasively registered aortal pressure were demonstrated. In all investigated AV intervals of 50 to 250 ms, significant inter-individual variability of ACSp was discovered. The poorest hemodynamic effect was seen at AV delay of 50 ms (median ACSp of 10.4 % from 97 subjects). In 150 subjects, the following values of ACSp were obtained at AV delay of 200 ms: median...



Read Optimization of Paced AV Delay Using Atrial Contribution Index Online Download PDF Optimization of Paced AV Delay Using Atrial Contribution Index

See Also



THE Key to My Children Series: Evan s Eyebrows Say Yes (Paperback)

AUTHORHOUSE, United States, 2006. Paperback. Book Condition: New. 274 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.THE KEY TO MY CHILDREN SERIES: EVAN S EYEBROWS SAY YES is about...

Save Document »



101 Ways to Beat Boredom: NF Brown B/3b

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, 101 Ways to Beat Boredom: NF Brown B/3b, Anna Claybourne, This title is part of Bug Club, the first whole-school reading programme to combine books with...

Save Document »



Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel's System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can download...

Save Document »



California Version of Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version -- Access Card Package

Pearson, United States, 2015. Loose-leaf. Book Condition: New. 10th. 249 x 201 mm. Language: English . Brand New Book. NOTE: Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies...

Save Document »



Summer Fit Preschool to Kindergarten Math, Reading, Writing, Language Arts Fitness, Nutrition and Values

Summer Fit Learning. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 10.6in. x 8.3in. x 0.5in.Summer Fit Activity Books move summer learning beyond academics to also prepare children physically and socially for the grade ahead....

Save Document »