

The book was found

# Inotropic Stimulation And Myocardial Energetics



## Synopsis

Inotropic stimulation of the myocardium, as well as vasodilation and diuresis as essential principles in the treatment of congestive heart failure have recently met with considerable criticism and reevaluation. It is generally agreed that unloading of the heart, either through vasodilation and/or diuresis, improves the working conditions of the dilated, failing heart. It reduces myocardial oxygen consumption through reduction of chamber radius and, thereby, wall tension as the major determinants of myocardial oxygen consumption. Inotropic stimulation, quite in contrast, does not conserve oxygen. It rather consumes energy and that may be disadvantageous in situations of compromised oxygen supply and energy metabolism of the working myocardium. However, under conditions of sufficient oxygen supply and metabolic support inotropic stimulation may bring about increased pumping and subsequent improvement of myocardial failure. In recent years it could convincingly be demonstrated that vasodilation leads to symptomatic improvement of congestive heart failure, improvement of exercise tolerance, and it prolongs life - especially in the case of ACE-inhibitors and the combination of hydralazine with long-acting nitrates. Quite in contrast, equally beneficial effects could not be demonstrated for inotropic agents in congestive heart failure. Only for the cardiac glycosides has it been shown that beneficial effects can be achieved, especially if atrial fibrillation with absolute arrhythmia is present. The influence of the cardiac glycosides on the latter represents an effect which is independent of the inotropic action.

--This text refers to an out of print or unavailable edition of this title.

## Book Information

Hardcover: 273 pages

Publisher: Springer-Verlag; 1 edition (February 1991)

Language: English

ISBN-10: 0783541007

ISBN-13: 978-0387913612

ASIN: 0387913610

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #7,164,477 in Books (See Top 100 in Books) #31 in Books > Medical Books > Pharmacology > Cardiovascular #58712 in Books > Medical Books > Basic Sciences #495392 in Books > Health, Fitness & Dieting

[Download to continue reading...](#)

Inotropic Stimulation and Myocardial Energetics Myocardial Protection by Calcium Antagonists  
Maximum Entropy and Ecology: A Theory of Abundance, Distribution, and Energetics (Oxford  
Series in Ecology and Evolution) MATRIX ENERGETICS (Spanish Edition) Investigation on the  
Possible Effect of Electrical Stimulation on Ph and Survival of Foot and Mouth Disease Virus in  
Meat and Offal from Experimental How to do The SUPER BRAIN YOGA in 3 minutes: Brain  
Stimulation and Memory Sharpening Techniques explained in 10 simple steps (Eastern Esoteric  
Wisdom) Programmable Logic Controllers Textbook w/ PLC Stimulation Software Spinal Cord  
Stimulation Implantation: Percutaneous Implantation Techniques Adults Only: Sexual Stimulation  
DBS A Patient Guide to Deep Brain Stimulation ANIMAL ATTACK ! Vol 1: LIONS AND TIGERS  
AND BEARS... AND SHARKS... AND ALLIGATORS... AND HIPPOS... AND RHINOS... AND  
ELEPHANTS... AND SCORPIONS... AND SNAKES, LOTS OF SNAKES Coins, medals, and seals,  
ancient and modern: Illustrated and described : with a sketch of the history of coins and coinage,  
instructions for young ... and American coins, medals and tokens, &c George Bernard Shaw:  
Collected Articles, Lectures, Essays and Letters: Thoughts and Studies from the Renowned  
Dramaturge and Author of Mrs. Warren's Profession, ... and Cleopatra, Androcles And The Lion  
Children and Youth in Sickness and in Health: A Historical Handbook and Guide (Children and  
Youth: History and Culture) Sleisenger and Fordtran's Gastrointestinal and Liver Disease Review  
and Assessment (Sleisenger and Fordtrans Gastrointestinal and Liver) Bulletproof Diet Cookbook  
For Beginners: Quick and Easy Recipes and Smoothies to Lose Fat and Increase Energy (Lose Up  
To A Pound A Day, Reclaim Energy and Focus, End Food Cravings) Master gemcutting tips: A  
comprehensive collection of proven lapidary and gemcutting tips and methods that are of immediate  
and practical use to ... and carvers regardless of their experience Chloe's Vegan Desserts: More  
than 100 Exciting New Recipes for Cookies and Pies, Tarts and Cobblers, Cupcakes and  
Cakes--and More! The Winter Garden: Over 35 step-by-step projects for small spaces using foliage  
and flowers, berries and blooms, and herbs and produce Eat Fat and Get Thin, Fit, and Healthier  
Than Ever Before!: Easy Diet and Delicious Cookbook: Recipes for Dramatic and Sustainable  
Weight Loss (Includes 21 Day Meal Plan)

[Dmca](#)