

1. Record Nr.	UNINA9910143550703321
Titolo	Renin angiotensin system and the heart [[electronic resource] /] / edited by Walmor C. De Mello
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley & Sons, c2004
ISBN	1-280-24185-3 9786610241859 0-470-30030-2 0-470-03210-3 0-470-86294-7
Descrizione fisica	1 online resource (258 p.)
Altri autori (Persone)	De MelloWalmor C
Disciplina	612.17 616.12061
Soggetti	Renin-angiotensin system Heart - Physiology Heart - Pathophysiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intracellular signaling and the cardiac renin angiotensin system / George W. Booz and Kenneth M. Baker -- Cardiac physiology and the renin-angiotensin system: lessons from transgenic animal models / Alisdair Ryding and John J. Mullins -- Prorenin uptake in the heart / A. H. Jan Danser -- Role of local renin-angiotensin systems in cardiac damage / Michael Bader -- Cardiac renin: de novo synthesis and uptake / J"rg Peters -- The cardiac renin receptors / Genevieve Nguyen, Celine Burckle, and Benjamin Tremey -- Angiotensin II AT2 receptors and cardiac function / Jun suzuki ... [et al.] -- The heart, a target for the renin angiotension system: evidence of an intracrine system / Walmor C. De Mello -- ACE2: its role in the counter-regulatory response to heart failure / Lawrence S. Zisman -- Wound healing and the tissue renin-angiotensin-aldosterone system / Yao Sun, and Karl T. Weber -- Trophic effects of aldosterone / Claude Delcayre ... [el al.] -- Intracellular angiotensin and the actions of intracrine hormones / Richard N. Re -- Angiotensin ii and myocardial fibrosis, clinical

implications / Begona Lopez, Arantxa Gonzalez and Javier Diez --
Hypertensive heart disease: significance of renin angiotensin system /
Jasmina Varagic and Edward D Frohlich.

Sommario/riassunto

Recent studies have shown that the heart possesses an intrinsic renin angiotensin system that is controlled by tissue-specific parameters that are activated by biomechanical stress. This book reviews the latest information on the way in which both the plasma and cardiac renin angiotensin systems affect heart function. It covers the cell and molecular biology of these systems, with contributions on renin synthesis, uptake and the intracellular signalling pathways. Particular insight comes from transgenic mouse models in which either mouse or human genes for various components of the renin ang
