G. Santulli (Ed.)

Mitochondrial Dynamics in Cardiovascular Medicine

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- Comprehensive coverage of the topic, cogently organized to broaden its reach to be useful to physicians, researchers, scientists and advanced medical or graduate students. First state-of-the-science collection focusing on both basic science (mitochondrial dynamics in cells) and clinical practice (mitochondria and human disease). Contributors are all worldwide renowned experts in the field, from major institutions (Yale, Harvard, Oxford, etc.)

This text covers the basic principles of mitochondrial dynamics in cardiovascular medicine, with particular emphasis on their functional roles in physiology and disease. The book will include articles pertaining to mitochondrial fitness on a global basis, providing therefore an update on the progress made in several aspects in the field. Thus, it will assist scientists and clinicians alike in furthering basic and translational research. Organized in sections focusing on: basic science, mitochondrial dysfunction in cardiac disorders, in vascular disorders, in metabolic disorders, in kidney disease, therapeutic challenges and options, this essential volume fills imperative gaps in understanding and potentially treating several cardiovascular disorders.