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	Autore	Chesterton G. K.
	Titolo	Manalive // G. K. Chesterton
	Pubbl/distr/stampa	New York, New York : , : Open Road Integrated Media, , 2015 ©2015
	ISBN	1-5040-2258-0
	Descrizione fisica	1 online resource (119 pages)
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	Soggetti	Attempted murder
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
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	Pubbl/distr/stampa	New York, : Springer, 2013
	ISBN	1-283-69721-1 1-4614-5203-1
	Edizione	[1st ed. 2013.]
	Descrizione fisica	1 online resource (466 p.)
	Collana	Advances in biochemistry in health and disease ; ; v. 4
	Altri autori (Persone)	OstadalBohuslav DhallaNaranjan S
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	Soggetti	Cardiovascular system - Physiology
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	Nota di contenuto	pt. I. Developmental aspects of cardiac adaptation -- pt. II. Cardiac

adaptations to overload -- pt. III. Molecular and cellular aspects of cardiac adaptations.

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Sommario/riassunto

The processes of adaptation and maladaptation play an important role in the pathogeny of serious cardiovascular diseases, such as hypertension, valvular diseases, congenital heart disease, myocardial infarction and different cardiomyopathies as well as during adaptation to exercise and high altitude hypoxia. This volume incorporates the rapidly developing basic and clinically relevant information on adaptive mechanisms, thereby contributing to the better understanding of possible prevention and therapy of life-threatening cardiovascular diseases. The first section of this volume focuses on developmental aspects of cardiac adaptation, including chapters on comparative and molecular aspects of cardiac development, prenatal and postnatal developments, coronary vascular development, and ontogenetic adaptation to hypoxia, as well as cardiac and arterial adaptation during aging. The second section is devoted to cardiac adaptations to overload on the heart, centered around the mechanisms of cardiac hypertrophy due to pressure overload, volume overload, exercise, gender difference, high altitude, and different pathological situations. The third section of this volume highlights the roles of sympathetic nervous system with respect to  $\alpha$ -adrenoceptor and  $\beta$ -adrenoceptor mechanisms in the development of cardiac hypertrophy. Cardiac Adaptations will be of great value to cardiovascular investigators, who will find this book highly useful in their cardiovascular studies for finding solutions in diverse pathological conditions; it will also appeal to students, fellows, scientists, and clinicians interested in cardiovascular abnormalities.

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