

1. Record Nr.	UNINA9910409701203321
Titolo	Coronary Artery Disease: Therapeutics and Drug Discovery // edited by Miao Wang
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-2517-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (IX, 339 p. 7 illus., 4 illus. in color.)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1177
Disciplina	617.412
Soggetti	Pharmacology Cardiology Pharmacotherapy Cardiac surgery Pharmacology/Toxicology Cardiac Surgery Malalties coronàries Quimioteràpia Cirurgia cardíaca Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Coronary Artery Disease: From Mechanism to Clinical Practice -- Evidence in guidelines for treatment of coronary artery disease -- Revascularization For Coronary Artery Disease: Principle And Challenges -- Antithrombotic drugs: pharmacology and perspectives -- Lipid modifying drugs: pharmacology and perspectives -- Anti-hypertensive drugs: pharmacology and perspectives -- Pharmaceutical treatment for Heart failure -- Drug discovery for coronary artery disease.
Sommario/riassunto	This book provides an overview of the etiology of coronary artery disease and focuses on the main therapies and drug interventions currently available. It highlights drug pharmacology and therapeutic challenges, with a special emphasis on the underlying principles of available therapeutics and the on-going development of drugs for

coronary artery disease. The book is divided into eight chapters, the first of which describes the classical mechanism of coronary artery disease and its clinical presentations. Chapter 2 lists the principles of and related evidence on the prevention and treatment of coronary artery disease. This includes diet and lifestyle management, and guidelines for the treatment of acute coronary syndrome and stable coronary artery disease. In turn, Chapter 3 describes revascularization treatments, covering percutaneous coronary interventions, coronary artery bypass grafts and thrombolysis. This chapter also addresses the main therapeutic challenges. The following chapters provide an overview of three major categories of coronary artery disease drugs, which target thrombosis (Chapter 4), lipid metabolism (Chapter 5), and hypertension (Chapter 6). Heart failure constitutes the major health burden in the late stage of coronary artery disease; accordingly, current heart failure therapeutics and related drug pharmacology are described in Chapter 7. In closing, Chapter 8 provides a summary of on-going clinical trials for coronary artery disease drug development and discusses a number of promising areas in which intensive research into new therapeutics is being pursued. Given its scope, the book will be of interest to clinicians, medical students and research scientists, as well as to pharmaceutical professionals who are seeking new therapies and drugs for coronary artery disease and related disorders.
