

1. Record Nr.	UNINA9910637709603321
Titolo	Cardiovascular Complications of COVID-19 : Acute and Long-Term Impacts // edited by Maciej Banach
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Humana, , 2022
ISBN	9783031154782 9783031154775
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (434 pages)
Collana	Contemporary Cardiology, , 2196-8977
Disciplina	616.980214 614.592414
Soggetti	Cardiology Malalties cardiovasculars COVID-19 Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Part I: Introduction -- Biology of SARS-CoV-2 coronavirus; origin, structure, and variants -- Epidemiology of COVID-19 -- Clinical symptoms and course of COVID-19 -- Risk factors of developing COVID-19 and its severe course -- Prognosis in COVID-19 patients - statistics, risk factors -- Part II: Cardiovascular Implications of the Acute Phase of COVID-19 -- Myocardial injury in COVID-19 (epidemiology, influence on prognosis, pathogenesis, treatment) -- Acute coronary syndrome – destabilization of atherosclerotic plaque in COVID-19 (epidemiology, influence on prognosis, pathogen-esis and treatment) -- Acute Vascular Injury in COVID-19 -- Heart failure and acute circulatory failure in COVID-19 (epidemiology, influence on prognosis, pathogenesis, treatment) -- Cardiomyopathy in COVID-19 (epidemiology, influence on prognosis, pathogenesis, treatment) -- Arrhythmias in COVID-19 -- Thromboembolic events in COVID-19 -- Stroke in COVID-19 -- Pulmonary embolism after COVID-19 (epidemiology, influence on prognosis, pathogenesis, treatment) -- Interaction of anti-COVID-19 drugs with cardiovascular therapy -- Part

III: Influence of the Treatment of Cardiovascular Diseases on the Course of COVID-19 -- Beyond the vaccines-Bioactive lipids in COVID-19 -- Statins and COVID-19 (mechanism of action, effect on prognosis) -- Covid-19 And Antihypertensive Treatment -- Colchicine in COVID-19 (mechanism of action, effect on prognosis) -- Antiplatelet drugs in COVID-19: mechanism of action and effect on prognosis -- Antidiabetic drugs in COVID-19 -- Part IV: Cardiovascular Complications of Long-COVID-19 -- Long COVID-19 - Definition, Epidemiology, and Clinical Implications -- Cardiovascular complications of long COVID-19 - prevalence, diagnosis and risk factors -- Cardiovascular complications of Long-COVID – management -- Part V The impact of COVID-19 pandemic on the e-services and digital tools development in medicine -- The impact of the COVID-19 pandemic on e-services and digital tools development in medicine.

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Sommario/riassunto

This book is the first comprehensive approach on COVID-19 cardiac complications, both during the acute phase as well as in the long-COVID period. It provides an up-to-date and highly illustrated summary of the biology of SARS-CoV-2, the course of COVID-19, risk factors that worsen the disease in COVID-19 patients, clinical features of COVID-19 patients, COVID-19 cardiological complications, treatment, and prevention methods, and long-term cardiological aspects of COVID-19. Chapters provide the reader with a contemporary perspective on the emerging links between COVID-19 and cardiovascular disease. In addition, this volume discusses the clinical implications and therapeutic goals in patients with COVID-19 and cardiac complications, as well as possible therapeutic options. It also offers clear recommendations on how to manage (both non- and pharmacologically) to avoid the increased number of COVID-19 related deaths due to CVD and its risk factors. Cardiovascular Complications of COVID-19 will be the primary resource for physicians, residents, fellows, and nurses and medical students in the fields of cardiology and COVID-19/infectious diseases as well as healthcare providers that initiate preventive activities and dedicated programs.

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