Record Nr. UNINA9910637709603321 **Titolo** Cardiovascular complications of COVID-19: acute and long-term impacts / / edited by Maciej Banach Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2022] ©2022 **ISBN** 9783031154782 9783031154775 Descrizione fisica 1 online resource (434 pages) Collana Contemporary Cardiology Disciplina 616.980214 Soggetti Cardiovascular system - Diseases COVID-19 (Disease) - Complications Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Intro -- Foreword -- Preface -- Acknowledgments -- Contents -- Part Nota di contenuto I: General Part -- Chapter 1: Biology of SARS-CoV-2 Coronavirus --Origin, Structure, and Variants -- Introduction -- Method of Search --The SARS-CoV-2 Biology -- The SARS-CoV-2 Origins -- HCoV-229E --HCoV-OC43 -- SARS-CoV -- HCoV-NL63 -- HCoV-HKU1 -- MERS-CoV -- SARS-CoV-2 -- The SARS-CoV-2 Structure -- SARS-CoV-2 Variants -- Conclusion -- References -- Chapter 2: COVID-19 Epidemiology and Differences in Incidence and Mortality Between Countries -- Origins -- Asian Countries -- COVID-19 in the United States of America -- Canada -- Mexico -- Peru -- Brazil -- Colombia -- Europe -- Russia -- Ukraine -- Italy -- Poland -- South Africa --Antarctica -- References -- Chapter 3: Clinical Symptoms and Course of COVID-19 -- SARS-CoV-2 Transmission -- Virus Replication --Immunological Responses and Cytokine Storm (CS) -- Virus Variants and Associated Evolution in the Clinical Course -- Clinical Stages of COVID-19 [21] -- Mild and Asymptomatic Stage -- Symptomatic

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