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Titolo	COVID-19 Critical and Intensive Care Medicine Essentials / / edited by Denise Battaglini, Paolo Pelosi
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ISBN	3-030-94992-3
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (308 pages)
Disciplina	362.1962414 616.028
Soggetti	Critical care medicine Neurology Respiratory organs - Diseases Cardiology Nephrology Blood - Coagulation Intensive Care Medicine Pneumology Coagulation System COVID-19 Medicina intensiva Medicina d'urgència Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I. Fundamentals of COVID-19 -- Introduction and Essential multi-organs pathophysiology -- Part II. Pneumological critical care of COVID-19 -- Pathophysiology and phenotypes -- Radiological patterns and lung ultrasound -- Noninvasive mechanical ventilation and conventional oxygen therapy -- Criteria for intubation and ICU admission -- Invasive mechanical ventilation -- Weaning, tracheostomy and chest physiotherapy -- Part III. Neurological manifestations of COVID-19 -- Brief pathophysiology -- Clinical characteristics -- Role

of noninvasive neuro-monitoring systems and imaging -- Biomarkers -- Management of neurological complications -- Part IV. Cardiovascular manifestations of COVID-19 -- Brief pathophysiology -- Echocardiography, electrocardiogram and biomarkers -- Clinical characteristics -- Management -- Part V. Renal manifestations of COVID-19 -- Brief pathophysiology -- Clinical features and biomarkers -- Renal replacement therapy -- Part VI. Haemostasis and coagulation in COVID-19 -- Brief pathophysiology -- Coagulation disorders and management -- Part VII. Other multi-organs involvement (MODS-CoV-2) -- Gastrointestinal manifestations (including hepatic disease) -- Nutritional therapy -- Part VIII. Principles of therapy -- Sedation, analgesia, myorelaxants -- Antibiotics, antiretroviral, corticosteroids, other therapies against SARS-CoV-2 -- Coagulation and haemostasis -- Rescue therapies -- Part IX. Appendix - Practical Aspects (Figures and Flowcharts).

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#### Sommario/riassunto

This book provides healthcare professionals in Critical Care setting an easy consultation guide to fight against COVID-19. The book is divided into sections: Fundamentals of COVID-19, Pneumological critical care, Neurological manifestations, Cardiovascular manifestations, Renal manifestations, Haemostasis and coagulation, Other multi-organs involvement, Principles of therapy. Each section includes: · brief pathophysiology of COVID-19 (ventilation, neurological, cardiovascular, etc.); · principles of management (enriched with flowcharts and figures); · principles of therapy; · tips and key messages. Readers can find the most updated advices on how to face the ongoing pandemic: from principles of conventional oxygen therapy, assisted and invasive mechanical ventilation in critically ill COVID-19 patients to the complications sometimes underestimated. Tables and flowcharts provided are based on current knowledge in COVID-19 to help the clinician managing COVID-19 patients by a multiple-organs prospective. Written by international key opinion leaders of each field, the book represents a point of reference for all professionals involved in the management of COVID-19 pandemic.

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