Special Issue

Multiple Organ Dysfunctions in Perioperative or ICU Critical Illnesses

Message from the Guest Editor

Multiorgan dysfunction has a high incidence in perioperative or ICU critical illnesses. Critical illness has a significantly worse prognosis after ICU or perioperative multiorgan dysfunction. This is a major challenge for global health care. There are limited effective treatment options for organ dysfunction in perioperative or ICU critical illnesses, mainly owing to its unclear pathogenesis and the lack of early-warning biomarkers and early-monitoring tools and interventions. With this Special Issue, we aim to collect data on the mechanisms, early-warning biomarkers, early-monitoring tools and interventions relating to organ dysfunction in perioperative or ICU critical diseases. Authors are welcome to submit reviews, original research and other article types on the following themes: 1. The mechanisms of multiorgan dysfunction in critical disease, such as oxidative stress, inflammatory response, etc.; 2. Early biomarkers for organ dysfunction in critical disease; 3. Monitoring or evaluation measures for organ dysfunction in perioperative or ICU critical disease; 4. Precision treatment strategies for organs undergoing critical diseases.

Guest Editor

Prof. Dr. Keliang Xie

1. Department of Critical Care Medicine and Anesthesiology, Tianjin Medical University General Hospital, Tianjin, China
2. Institute of Anesthesiology, Tianjin, China

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Journal of Personalized Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jpm@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical
subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker
Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2, Canada

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).

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