

Special Issue

Update on Diagnostic, Antibiotic Treatment, and Prevention of Infections in Critically Ill Patients

Message from the Guest Editor

Critically ill patients are at increased risk of having infections. A European Prevalence of infection in intensive Care II (EPIC II) study showed that 51% of all patients were infected and 71% were receiving antibiotics. Research in the diagnostics and treatment of critically ill patients does not stand still. For example, a new definition of sepsis was introduced by the Society of Critical Care Medicine and the European Society of Intensive Care Medicine in 2016. Moreover, several challenges remain, such as when to start antibiotics since half of febrile events in critically ill patients do not have infectious origins. When to stop the antibiotic is also often the question, since microbiology diagnostics is not always positive.

This Special Issue calls for papers regarding the diagnostics and antibiotic treatment of infections in critically ill patients. Infection prevention studies are also welcomed.

We will also gladly review studies on innovation, such as new diagnostics in clinical decision making, the use of big data in intensive care medicine, and the new antibiotic treatment for multidrug resistant microorganisms.

Guest Editor

Dr. Erlangga Yusuf

Department of Medical Microbiology and Infectious Diseases, Erasmus University of Rotterdam, Rotterdam, The Netherlands

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

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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