

Special Issue

Advances in the Diagnosis and Management of Respiratory Illnesses

Message from the Guest Editors

Respiratory illnesses, acute or chronic, impose a significant health burden and are responsible for a large number of hospitalizations. Despite the recent focus on acute respiratory infections due to the COVID-19 pandemic, chronic respiratory conditions such as asthma and chronic obstructive pulmonary disease (COPD) remain significant health challenges. Acute respiratory tract infections can lead to pneumonia and the subsequent development of acute respiratory distress syndrome (ARDS), which can result in a mortality rate of around 30–50%. COPD, lower respiratory tract infections and cancers related to the respiratory tract are among the top 10 causes of death worldwide. Therefore, improving our ability to diagnose and manage patients with respiratory illnesses is a critical research priority. This will enable us to target specific clinical phenotypes and improve patient stratification, leading to better clinical trial methodology and individualized patient management.

Guest Editors

Dr. Ahilanandan Dushianthan

Perioperative and Critical Care Theme, NIHR Southampton Biomedical Research Centre, University Hospital Southampton NHS Foundation Trust, Southampton SO16 6YD, Hampshire, UK

Dr. Anna T. Freeman

1. NIHR Southampton Biomedical Research Centre, Respiratory and Critical Care, University Hospital Southampton, Southampton SO16 6YD, UK
2. Academic School of Clinical and Experimental Sciences, Faculty of Medicine, University of Southampton, Southampton SO17 1BJ, UK

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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