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Advances in the Diagnosis and Management of Respiratory Illnesses

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Message from the Guest Editors

Dear Colleagues,

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.

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