



Current Advances in Lung Ultrasound for COVID-19

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Message from the Guest Editor

Dear Colleagues,

2020 has been a unique year for medicine. This pandemic is still having a profound impact on human lives, clinical practice and research. However, SARS-CoV-2 gave us the opportunity to reconsider and improve the way we see medicine. The pandemic accelerated progresses in several fields, from immunology and vaccinology, to telemedicine and artificial intelligence. In each of these aspects, lung ultrasound played a significant role.

During the first months of the pandemic, clinicians and researchers of the Italian Academy of Thoracic Ultrasound (Accademia di Ecografia Toracica—ADET) had already highlighted the potential role of lung ultrasound in the diagnosis and monitoring of COVID-19 pneumonia. Later on, a proposal for an international standardization of the procedure and its prognostic role was clearly demonstrated by the same group. Artificial Intelligence platforms have been developed. Early observations have been confirmed worldwide, including in children.

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