



COVID-19 Selected Bibliography – Ultrasound (including POCUS & Echo)

Date of Publication (Month/Year)	Citation: Full reference (Title, Author, Journal, volume, page, date)	Link to article (DOI)	Type of study / publication [Topic]	Study Focus	Study location (country)	No. of patients included in study	Conclusion or Summary Statement
Mar-20	COVID-19 outbreak: less stethoscope, more ultrasound.. Buonsenso D, Pata D, Chiaretti A. Lancet Respir Med. 2020 Mar 20. pii: S2213-2600(20)30120-X. doi: 10.1016/S2213-2600(20)30120-X. [Epub ahead of print]	10.1016/S2213-2600(20)30120-X	Correspondence	Lung; Pediatrics	N/A	N/A	Considering the contagiousness of the virus and the need to reduce nosocomial outbreaks, we strongly suggest promotion of lung ultrasound in this setting (during the evaluation of children with suspected COVID-19).
Mar-20	Is there a role for lung ultrasound during the COVID-19 pandemic?. Soldati G, Smargiassi A, Inchingolo R, Buonsenso D, Perrone T, Briganti DF, Perlini S, Torri E, Mariani A, Mossolani EE, Tursi F, Mento F, Demi L.. J Ultrasound Med. 2020 Mar 20. doi: 10.1002/jum.15284. [Epub ahead of print]	10.1002/jum.15284	Clinical Letter	Lung	Italy	N/A	The well-known advantages of lung ultrasound in terms of portability, bedside evaluations, safety, and the possibility of repeating the examination during follow-up cannot be overlooked and should be exploited and implemented.
Mar-20	Point-of-Care Lung Ultrasound findings in novel coronavirus disease-19 pneumonia: a case report and potential applications during COVID-19 outbreak.. Buonsenso D, Piano A, Raffaelli F, Bonadia N, de Gaetano Donati K, Franceschi F.. Eur Rev Med Pharmacol Sci. 2020 Mar;24(5):2776-2780. doi: 10.26355/eurrev_202003_20549.	10.26355/eurrev_202003_20549	Case-report	Lung	Italy	1	We suggest clinicians facing the nCoV-19 outbreak to use and evaluate the role of lung ultrasound in patients with nCoV-19.
Mar-20	Findings of lung ultrasonography of novel corona virus pneumonia during the 2019-2020 epidemic.. Peng QY, Wang XT, Zhang LN; Chinese Critical Care Ultrasound Study Group (CCUSG).. Intensive Care Med. 2020 Mar 12. doi: 10.1007/s00134-020-05996-6. [Epub ahead of print] No abstract available.	10.1007/s00134-020-05996-6	Letter	Lung	China	20	We find there is utility of lung ultrasonography for rapid assessment of the severity of SARS-CoV-2 pneumonia/ARDS at presentation, to track the evolution of disease, to monitor lung recruitment maneuvers, to guide response to prone position, the management of extracorporeal membrane therapy, and for making decisions related to weaning the patient from ventilatory support.
Feb-20	A Preliminary Study on the Ultrasonic Manifestations of Peripulmonary Lesions of Non-Critical Novel Coronavirus Pneumonia (COVID-19)	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3642442	Retrospective cohort study	Lung	China	20	Lung ultrasound can provide reference for the clinical diagnosis and efficacy evaluation (in non-critical COVID-19 manifestations).
Mar-20	Can Lung US Help Critical Care Clinicians in the Early Diagnosis of Novel Coronavirus (COVID-19) Pneumonia?	https://pubs.rsna.org/doi/abs/10.1148/radiol.20201096	Letter to the editor	Lung	Italy	12	We strongly recommend the use of bedside US for the early diagnosis of COVID-19 pneumonia in all the patients who presented to the emergency department with flu-like symptoms in novel COVID-19 era.
Mar-20	Cardiac Involvement in a Patient With Coronavirus Disease 2019 (COVID-19). JAMA Cardiol.	https://doi.org/10.1001/jamacardio.2020.1096	Clinical research and practice: Case report [Cardiac]	Cardiac	Italy	1	This case highlights cardiac involvement as a complication associated with COVID-19, even without symptoms and signs of interstitial pneumonia.
Mar-20	Diagnosis and Management of COVID-19 Disease. Am J Respir Crit Care Med	https://doi.org/10.1164/rccm.2020031164	Review [Diagnosis & Management]	General	NA	NA	No conclusion/summary statement as this document simply summarizes the recent knowledge surrounding COVID-19
Apr-20	Our Italian Experience Using Lung Ultrasound for Identification, Grading and Serial Follow-up of Severity of Lung Involvement for Management of Patients with COVID-19. Echocardiography.	https://doi.org/10.1177/1520717920939111	Review [Lung ultrasound]	Lung	NA	NA	With the application of lung ultrasound, we have had a noted reduction in use of chest x-rays and CT scans during this pandemic, helping us to make care and management of our patients a little more efficient.
Apr-20	Point-of-care lung ultrasound in patients with COVID-19 - a narrative review. Smith MJ, Hayward SA, Innes SM, Miller A. Anaesthesia. 2020 Apr 10	https://doi.org/10.1111/anae.15082	Review [Lung Ultrasound]	Lung	NA	NA	Amidst a global respiratory pandemic, lung ultrasound may have a key role to play in the clinical management of patients with COVID-19 associated lung injury
Apr-20	Lung ultrasound and computed tomographic findings in pregnant woman with COVID-19. Kalafat E, Yaprak E, Cinar G, Varli B, Ozisik S, et.al. Ultrasound Obstet Gynecol. 2020 Apr 6.	https://doi.org/10.1002/uog.22034	Clinical research and practice: Case report [Lung Ultrasound]	OB; Lung	Turkey	1	The point-of-care lung ultrasound examination was easy to perform and, as such, could play an important role in the triage of pregnant women with suspected COVID-19

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