Appendix A: list of publications reviewed to inform the situation regarding the use of LUS in COVID-19 in different regions/countries

Taking into account that a deep analysis regarding use of LUS in the management of COVID-19 in different countries and regions was not available at the time of preparation of this manuscript, it was considered that extrapolation of data from a review of the studies published on this topic could be a suitable pragmatic approach for inferring on the use of LUS in different regions and countries. However, a limitation of this approach is that the number of published papers may not necessarily reflect the actual routine clinical practice in the use of LUS within that country/region.

Searches were performed using PubMed and Google Scholar databases using the key words "COVID-19", "lung ultrasound" and "imaging". Only English-language articles were included in this review. Review papers were not included, since these don't use primary data, but case series and case reports were incorporated. Each publication was examined noting the field, the objectives, and the country where the study was performed.

A total of 200 publications from May 2020 to November 2021 met the criteria for the literature review *(see table below)*. It can be noted that 65% of all the reported data came from Europe and more than 60% of all the papers reviewed were published by five countries: Italy, China, USA, Spain, and UK (including national and multinational studies).

Keeping in mind that more exhaustive searches in other languages and including non-traditional large databases would be needed to improve data collection of trends in use of LUS in low- and middle-income countries (LMICs), this literature review indicates a paucity of data on the use of LUS for COVID-19 management in LMICs.

First author	**Title**	**Journal**	**Country**	**Clinical application**
Abrams ER	Point-of-Care Ultrasound in the Evaluation of COVID-19. doi: 10.1016/j.jemermed.2020.06.032	J Emerg Med	USA	General application
Agricola E	Heart and Lung Multimodality Imaging in COVID-19. doi: 10.1016/j.jcmg.2020.05.017	JACC Cardiovasc Imaging	Italy	Heart and lung ultrasound
Alharthy A	Prospective Longitudinal Evaluation of Point-of-Care Lung Ultrasound in Critically Ill Patients with Severe COVID-19 Pneumonia. doi: 10.1002/jum.15417	J Ultrasound Med	Saudi Arabia	Follow up in critically ill COVID-19 patients

Allinovi M	Lung Ultrasound May Support Diagnosis and Monitoring of COVID-19 Pneumonia. doi: 10.1016/j.ultrasmedbio.2020.07.018	Ultrasound Med Biol	Italy	LUS for diagnosis and monitoring of COVID pneumonia
Antúnez-Montes OY	Feasibility of Lung Point-of-Care Ultrasound for Patients with COVID-19 in Air Medical Transport: Triage of 2 Initially Suspected Cases on Mexico's Front Line. DOI:10.1002/jum.15414	J Ultrasound Med	Mexico	Triage
Antúnez-Montes OY	Proposal to Unify the Colorimetric Triage System with the Standardized Lung Ultrasound Score for COVID-19. doi: 10.1002/jum.15446	J Ultrasound Med	Mexico	Triage
Antúnez-Montes OY	Routine use of Point-of-Care lung ultrasound during the COVID-19 pandemic. doi: 10.1016/j.medin.2020.04.010	Med Intensiva	Italy	General application
Matthies AK	Diagnostic accuracy of point-of-care lung ultrasound for COVID-19: A systematic review and meta-analysis https://doi.org/10.1101/2021.10.09.21264799	medRxiv	UK	Diagnostic accuracy
Aziz R	Essential notes: The use of Lung Ultrasound for COVID-19 in the intensive care unit doi: 10.1016/j.bjae.2020.09.001	BJA Educ	UK, USA	LUS in ICU
Baig MA	The Rapid COVID Screening (RCS) Tool. doi: 10.29271/jcpsp.2020.Supp1.S56	J Coll Physicians Surg Pak	Pakistan	LUS for screening COVID patients
Baker K	Lung Ultrasound in a COVID Pandemic - Choosing wisely. https://doi.org/10.1002/ajum.12213	Australas J Ultrasound Med.	Australia	General application
Bar S	The association of lung ultrasound images with COVID-19 infection in an emergency room cohort. doi: 10.1111/anae.15175	Anaesthesia	France	LUS in emergency room
Boccatonda A	Can Lung Ultrasound be Used to Screen for Pulmonary Embolism in Patients with SARS-CoV-2 Pneumonia? doi: 10.12890/2020_001748	Eur J Case Rep Intern Med	Italy	General application
Boero E	The role of lung ultrasonography in COVID-19 disease management. https://doi.org/10.1002/emp2.12194	J Am Coll Emerg Physicians Open	Italy, UK, Canada, USA	General application
Bonadia N	Lung Ultrasound Findings Are Associated with Mortality and Need for Intensive Care Admission in COVID-19 Patients Evaluated in the Emergency Department. doi: 10.1016/j.ultrasmedbio.2020.07.005	Ultrasound Med Biol	Italy	LUS findings associated with mortality and need for ICU

Bosso G	Lung ultrasound as diagnostic tool for SARS-CoV-2 infection https://doi.org/10.1007/s11739-020-02512-y	Intern Emerg Med	Italy	General application
Brahier T	Lung ultrasonography for risk stratification in patients with COVID-19: a prospective observational cohort study https://doi.org/10.1093/cid/ciaa1408	Clin Infect Dis	Switzerland	Risk assessment
Buda N	Consensus of the Study Group for Point-of-Care Lung Ultrasound in the intensive care management of COVID-19 patients. doi: 10.5114/ait.2020.96560	Anaesthesiol Intensive Ther	Poland	General application
Buda N	Lung ultrasound in the diagnosis of COVID-19 infection - A case series and review of the literature. doi: 10.1016/j.advms.2020.06.005.	Adv Med Sci	Poland	General Application
Buonsenso D	Clinical role of lung ultrasound for diagnosis and monitoring of COVID-19 pneumonia in pregnant women. doi: 10.1002/uog.22055	Ultrasound Obstet Gynecol	Italy	LUS in pregnancy
Buonsenso D	Effectiveness of rapid lung ultrasound training program for gynecologists and obstetricians managing pregnant women with suspected COVID-19. doi: 10.1002/uog.22066	Ultrasound Obstet Gynecol.	Italy	LUS in pregnancy
Buonsenso D	Point-of-Care Lung Ultrasound findings in novel coronavirus disease-19 pnemoniae: a case report and potential applications during COVID-19 outbreak. 2020 Mar;24(5):2776-2780. doi: 10.26355/eurrev_202003_20549	Eur Rev Med Pharmacol Sci.	Italy	General application
Calvo-Cebrián A	Usefulness of Lung Ultrasound Examinations Performed by Primary Care Physicians in Patients with Suspected COVID-19. doi: 10.1002/jum.15444	J Ultrasound Med	Spain	LUS used by primary healthcare physician
Caro-Dominguez P	Collaborators of the European Society of Paediatric Radiology Cardiothoracic Task Force. Thoracic imaging of coronavirus disease 2019 (COVID-19) in children: a series of 91 cases doi: 10.1007/s00247-020-04747-5	Pediatr Radiol	Spain, USA, UK	LUS in paediatrics
Carrer L	Automatic Pleural Line Extraction and COVID-19 Scoring from Lung Ultrasound Data. doi: 10.1109/TUFFC.2020.3005512	IEEE Trans Ultrason Ferroelectr Freq Control	Italy	LUS and Artificial Intelligence
Casper Falster	Lung ultrasound may be a valuable aid in decision making for	European Clinical	Denmark	General

	patients admitted with COVID-19 disease https://doi.org/10.1080/20018525.2021.1909521	Respiratory Journal		application
Castelao J	Findings and Prognostic Value of Lung Ultrasound in COVID-19 Pneumonia. https://doi.org/10.1002/jum.15508	J Ultrasound Med	Spain	LUS in prognosticating COVID patients
Cho YJ	Lung ultrasound for early diagnosis and severity assessment of pneumonia in patients with coronavirus disease 2019. doi: 10.3904/kjim.2020.180	Korean J Intern Med	South Korea	Early diagnosis and severity assessment
Cocconcelli E	Clinical Features and Chest Imaging as Predictors of Intensity of Care in Patients with COVID-19 doi: 10.3390/jcm9092990.	J Clin Med	Italy	LUS for risk stratification
McDermott C	Sonographic Diagnosis of COVID-19: A Review of Image Processing for Lung Ultrasound doi: 10.3389/fdata.2021.612561	Frontiers in Big Data journal	Canada	General application
Consoli L	2019 novel coronavirus (COVID-19) pneumonia complications: the importance of lung ultrasound. doi: 10.1007/s40477-020-00494-3	J Ultrasound	Italy	General application
Conway H	Personalizing Invasive Mechanical Ventilation Strategies in Coronavirus Disease 2019 (COVID-19)-Associated Lung Injury: The Utility of Lung Ultrasound. doi: 10.1053/j.jvca.2020.04.062	J Cardiothorac Vasc Anesth	UK	LUS in ICU
Dargent A	COVID-LUS study group. Lung ultrasound score to monitor COVID-19 pneumonia progression in patients with ARDS. doi: 10.1371/journal.pone.0236312	PLoS One	France	LUS scoring application
Davidovna KZ	A single-center comparative study of lung ultrasound versus CT during the COVID-19 era doi: 10.4081/mrm.2021.766	Multidisciplinary Respiratory Medicine	Russia	Comparison LUS and CT
de Oliveira RR	Lung ultrasound: an additional tool in COVID-19. doi: 10.1590/0100-3984.2020.0051	Radiol Bras	Brazil	General application
De Rose C	How to Perform Pediatric Lung Ultrasound Examinations in the Time of COVID-19. doi: 10.1002/jum.15306	J Ultrasound Med.	Italy	LUS in paediatrics
Delrio S	Lung ultrasound signs and cytokine profile in Covid-19 patients: a case series DOI: 10.26355/eurrev_202009_22799	Eur Rev Med Pharmacol Sci	Italy	General application
Denault AY	A proposed lung ultrasound and phenotypic algorithm for the care of COVID-19 patients with acute respiratory failure. doi: 10.1007/s12630-020-01704-6	Can J Anaesth	Canada	General application

Deng Q	Semiquantitative lung ultrasound scores in the evaluation and follow-up of critically ill patients with COVID-19: a single-center study. doi: 10.1016/j.acra.2020.07.002	Acad Radiol	China	LUS for score in evaluating critically ill patients
Denina M	Lung Ultrasound in Children With COVID-19.. doi: 10.1542/peds	Pediatrics	Italy	LUS in paediatrics
Di Serafino M	The lung ultrasound: facts or artifacts? In the era of COVID-19 outbreak. doi: 10.1007/s11547-020-01236-5	Radiol Med	Italy	Comparison LUS and CT
Dini FL	Bedside wireless lung ultrasound for the evaluation of COVID-19 lung injury in senior nursing home residents. doi: 10.4081/monaldi.2020.1446.	Monaldi Arch Chest Dis	Italy	Bedside wireless LUS in nursing homes
Duclos G	"No dose" lung ultrasound correlation with "low dose" CT scan for early diagnosis of SARS-CoV-2 pneumonia. doi: 10.1007/s00134-020-06058-7	Intensive Care Med	France	Comparison LUS and CT
Duggan NM	Using Lung Point-of-care Ultrasound in Suspected COVID-19: Case Series and Proposed Triage Algorithm. doi: 10.5811/cpcem.2020.7.47912	Clin Pract Cases Emerg Med	USA	LUS application at POC
Duggan NM	Best Practice Recommendations for Point-of-Care Lung Ultrasound in Patients with Suspected COVID-19. doi: 10.1016/j.jemermed.2020.06.033	J Emerg Med	USA	Proposed LUS protocol
Espersen C	Lung Ultrasound Findings Associated With COVID-19 ARDS, ICU Admission, and All-Cause Mortality. doi: 10.4187/respcare.09108	Respir Care	Denmark	Risk assessment
Farrow R	Early Multi-organ Point-of-Care Ultrasound Evaluation of Respiratory Distress During SARS-CoV-2 Outbreak: Case Report. doi: 10.5811/cpcem.2020.4.47524	Clin Pract Cases Emerg Med	USA	General application
Favot M	Point-of-Care Lung Ultrasound for Detecting Severe Presentations of Coronavirus Disease 2019 in the Emergency Department: A Retrospective Analysis. doi: 10.1097/CCE.0000000000000176	Crit Care Explor	USA	LUS in detecting severe cases
Feng XY	Application of pulmonary ultrasound in the diagnosis of COVID-19 pneumonia in neonates. doi: 10.3760/cma.j.cn112140-20200228-00154	Zhonghua Er Ke Za Zhi	China	General application
Flower L	The Use of Point-of-Care Lung Ultrasound and	J Cardiothorac	UK	General

	Echocardiography in the Management of Coronavirus Disease 2019 (COVID-19).doi: 10.1053/j.jvca.2020.05.009	Vasc Anesth		application (LUS and heart US)
Fonsi GB	Is Lung Ultrasound Imaging a Worthwhile Procedure for Severe Acute Respiratory Syndrome Coronavirus 2 Pneumonia Detection? https://doi.org/10.1002/jum.15487	J Ultrasound Med	Italy	Self-performed LUS
Fox S	Point-of-care ultrasound and COVID-19. 2020 May 14. doi: 10.3949/ccjm.87a.ccc019	Cleve Clin J Med	USA	General application
Fraile Gutiérrez V	Ultrasound in the management of the critically ill patient with SARS-CoV-2 infection (COVID-19): narrative review doi: 10.1016/j.medin.2020.04.016	Med Intensiva	Spain	LUS in ICU
García-Cruz E	Critical care ultrasonography during COVID-19 pandemic: The ORACLE protocol. doi: 10.1111/echo.14837.	Echocardiography	Mexico	General application (LUS and heart US)
Garcia de Alencar JC	Lung ultrasound score predicts outcomes in COVID-19 patients admitted to the emergency department https://doi.org/10.1186/s13613-020-00799-w	Annals of Intensive Care	Brazil	LUS in emergency room
Gaspardone C	Lung Ultrasound in COVID-19 A Role Beyond the Acute Phase? doi: 10.1002/jum.15425.	J Ultrasound Med	Italy	General application
Gil-Rodrigo A	Diagnostic yield of point-of-care ultrasound imaging of the lung in patients with COVID-19 https://europepmc.org/article/med/33006834	Emergencias	Spain	General application
Gino Soldati, MD,	LUS for COVID-19 Pneumonia: Flexible or Reproducible Approach? https://doi.org/10.1371/journal.pone.0256359	Journal of ultrasound in medicine	Italy	General application
Giugno V	Lung Ultrasound (LUS) in COVID-19 Pneumonia: Usefulness in Two Atypical Cases. DOI: 10.12890/2020_001800	Eur J Case Rep Intern Med	Italy	General application
Gopar-Nieto R	Lung ultrasound for the identification of COVID-19 pneumonia. doi: 10.24875/ACM.M20000071	Arch Cardiol Mex	Spain	General application
Gregorio-Hernández R	Point-of-care lung ultrasound in three neonates with COVID-19. doi: 10.1007/s00431-020-03706-4	Eur J Pediatr	Spain	LUS in neonates
Guarracino F	Lung, Heart, Vascular, and Diaphragm Ultrasound Examination of COVID-19 Patients: A Comprehensive Approach. doi: 10.1053/j.jvca.2020.06.013	J Cardiothorac Vasc Anesth	Italy	Comprehensive approach (lung, heart, vascular and diaphragm

				US)
Hoffmann T	Can follow up lung ultrasound in Coronavirus Disease-19 patients indicate clinical outcome? https://doi.org/10.1371/journal.pone.0256359	Plos one	Germany	General application
Hsiao YH	Using lung ultrasound changes to evaluate the response of recruitment maneuver in a patient recovering from coronavirus disease 2019 with acute respiratory distress syndrome. doi: 10.1097/JCMA.0000000000000418.	J Chin Med Assoc	China	LUS compared to CXR
Inchingolo R	The diagnosis of pneumonia in a pregnant woman with coronavirus disease 2019 using maternal lung ultrasound. doi: 10.1016/j.ajog.2020.04.020	Am J Obstet Gynecol	Italy	LUS in pregnancy
Iodice V	Use of lung ultrasound in COVID-19: comparison with ultra-high-resolution computed tomography among 29 patients at "D. Cotugno" hospital, Naples https://pubmed.ncbi.nlm.nih.gov/32920569/	Infez Med	Italy	Comparison LUS and CT
Jackson K	Lung ultrasound in the COVID-19 pandemic DOI: 10.1136/postgradmedj-2020-138137	Postgrad Med J	UK	General application
Ji L	Response to: Lung ultrasound early detection and monitoring in COVID-19 pneumonia: fact and fiction. doi: 10.1093/qjmed/hcaa166	QJM	China	General application and monitoring
Johri AM	ASE Statement on Point-of-Care Ultrasound during the 2019 Novel Coronavirus Pandemic. doi: 10.1016/j.echo.2020.04.017	J Am Soc Echocardiogr.	USA	LUS at PoC
Jung EM	Contrast enhanced ultrasound (CEUS) to assess pleural pulmonal changes in severe COVID-19 infection: First results. doi: 10.3233/CH-209005	Clin Hemorheol Microcirc	Germany	Contrast-enhanced LUS
Kalafat E	Lung ultrasound and computed tomographic findings in pregnant woman with COVID-19. doi: 10.1002/uog.22034	Ultrasound Obstet Gynecol	Turkey	LUS and CT in pregnancy
Kalafat E	Utility of lung ultrasound assessment for probable SARS-CoV-2 infection during pregnancy and universal screening of asymptomatic individuals doi: 10.1002/uog.23099	Ultrasound Obstet Gynecol	Turkey	LUS in pregnancy
Karagöz A	Accuracy of Bedside Lung Ultrasound as a Rapid Triage Tool for Suspected Covid-19 Cases doi: 10.1097/RUQ.0000000000000530.	Ultrasound quarterly	Turkey	Triage
Karakus O	Detection of Line Artefacts in Lung Ultrasound Images of	IEEE Trans	UK, France	Physics of LUS

	COVID-19 Patients via Non-Convex Regularization. doi: 10.1109/TUFFC.2020.3016092.	Ultrason Ferroelectr Freq Control		
Karl Jackson	Lung ultrasound in the COVID-19 pandemic http://dx.doi.org/10.1136/postgradmedj-2020-138137	Postgrad Med J	UK	General application
Kennedy TM	Lung Point-of-Care Ultrasound in Pediatric COVID-19: A Case Series doi: 10.1097/PEC.0000000000002254	Pediatr Emerg Care	USA	General application
Khalili N	Lung Ultrasound in COVID-19 Pneumonia: Prospects and Limitations. doi: 10.1016/j.acra.2020.04.032	Acad Radiol.	Iran	General application
Kiamanesh O	Lung Ultrasound for Cardiologists in the Time of COVID-19. doi: 10.1016/j.cjca.2020.05.008	Can J Cardiol	Canada	General application
Kiefl D	German recommendations on lung and thoracic ultrasonography in patients with COVID-19 DOI: 10.1007/s00063-020-00740-w	PMID	Germany	Recommendations on LUS applications
Kirkpatrick AW	Lung ultrasonography in a woman with COVID-19: This examination could be remote. doi: 10.1503/cmaj.75302	CMAJ	Canada	General application
Kulkarni S	Point-of-care lung ultrasound in intensive care during the COVID-19 pandemic. doi: 10.1016/j.crad.2020.05.001	Clin Radiol	UK	LUS in ICU
Kunze G	Lungenultraschall bei Patienten mit SARS-CoV-2-Infektion [Lung ultrasound in patients with SARS-CoV-2 infection]. doi: 10.1007/s10049-020-00767-8	Notf Rett Med	Germany	General application
Lerchbaumer MH	Point-of-care lung ultrasound in COVID-19 patients: inter and intra-observer agreement in a prospective observational study https://doi.org/10.1038/s41598-021-90153-2	Scientific reports	Germany	Diagnostic accuracy
Lichter Y	Lung ultrasound predicts clinical course and outcomes in COVID-19 patients doi: 10.1007/s00134-020-06212-1	Intensive Care Med	Israel	LUS in prognosticating COVID patients
Liu RB	Ultrasound on the Frontlines of COVID-19: Report From an International Webinar. doi: 10.1111/acem.14004	Acad Emerg Med.	USA	General application
Lokuge A	Lung ultrasound in a respiratory pandemic. doi: 10.1111/1742-6723.13575	Emerg Med Australas	Australia	General application
Lomoro P	COVID-19 pneumonia manifestations at the admission on chest ultrasound, radiographs, and CT: single-center study and comprehensive radiologic literature review. doi:	Eur J Radiol Open	Italy	Comparison LUS, CT and CXR

	10.1016/j.ejro.2020.100231.			
Lopes AJ	Comparison Between Lung Ultrasound and Computed Tomographic Findings in Patients With COVID-19 Pneumonia https://doi.org/10.1002/jum.15521	J Ultrasound Med	Brazil	Comparison LUS and CT
Louise Hansell	Lung ultrasound has greater accuracy than conventional respiratory assessment tools for the diagnosis of pleural effusion, lung consolidation and collapse: a systematic review https://doi.org/10.1016/j.jphys.2020.12.002	Journal of Physiotherapy	Australia	Comparison LUS and CXR
Lu W	A Clinical Study of Noninvasive Assessment of Lung Lesions in Patients with Coronavirus Disease-19 (COVID-19) by Bedside Ultrasound. doi: 10.1055/a-1154-8795	Ultraschall Med	China	General application
Lu X	Lung ultrasound score in establishing the timing of intubation in COVID-19 interstitial pneumonia: A preliminary retrospective observational study. https://doi.org/10.1371/journal.pone.0238679	PLoS One	China	LUS in deciding on intubation
Lugnan C	Lung ultrasonography in COVID-19: a game changer in the stroke unit? doi: 10.1111/ene.14352	Eur J Neurol.	Mexico, Italy	General application
Luna Gargani	Why, when, and how to use lung ultrasound during the COVID-19 pandemic: enthusiasm and caution. https://doi.org/10.1093/ehjci/jeaa163	European Heart Journal	UK	General application
Maadarani O	Point-of-Care Ultrasound Can Suggest COVID-19. DOI: 10.12890/2020_001915	Eur J Case Rep Intern Med.	Kuwait	General application
Mafort TT	Changes in lung ultrasound of symptomatic healthcare professionals with COVID-19 pneumonia and their association with clinical findings. https://doi.org/10.1002/jcu.22905	J Clin Ultrasound.	Brazil	LUS application in symptomatic health workers
Manivel V	CLUE: COVID-19 lung ultrasound in emergency department. doi: 10.1111/1742-6723.13546	Emerg Med Australas	Australia	LUS in emergency room
Marggrander DT	Lung Ultrasound Findings in Patients with COVID-19. doi: 10.1016/j.ajem.2020.08.080	PMID	Germany	General application
McDermott C	Combatting COVID-19: is ultrasound an important piece in the diagnostic puzzle? http://dx.doi.org/10.1136/emermed-2020-209721	Emerg Med J.	Ireland, UK	General application
McElyea C	Lung ultrasound artifacts in COVID-19 patients. doi: 10.1007/s40477-020-00526-y	J Ultrasound	USA	General application

Mengshu Wang	A Comparison of Lung Ultrasound and Computed Tomography in the Diagnosis of Patients with COVID-19: A Systematic Review and Meta-Analysis https://doi.org/10.3390/diagnostics11081351	Diagnostic Microbiology and infectious Disease	China	Comparison LUS and CT
Millington SJ	How I Do It: Lung Ultrasound for Patients with COVID-19 Pulmonary Disease. doi: 10.1016/j.chest.2020.08.2054	Chest	Italy, Canada, USA	General application
Møller-Sørensen H	COVID-19 Assessment with Bedside Lung Ultrasound in a Population of Intensive Care Patients Treated with Mechanical Ventilation and ECMO doi: 10.3390/diagnostics10070447	Diagnostics (Basel).	Denmark	LUS in ICU
Mongodi S	Lung Ultrasound in Patients with Acute Respiratory Failure Reduces Conventional Imaging and Health Care Provider Exposure to COVID-19. doi: 10.1016/j.ultrasmedbio	Ultrasound Med Biol.	Italy	LUS in ICU
Moro F	How to perform lung ultrasound in pregnant women with suspected COVID-19. doi: 10.1002/uog.22028	Ultrasound Obstet Gynecol.	Italy	LUS in pregnancy
Mort DO	Abnormal Lung Point-of-Care Ultrasound (POCUS) in Suspected Cases of COVID-19 pneumonia with Normal Plain Chest Radiographs - A Case Series https://pesquisa.bvsalud.org/controlecancer/resource/pt/mdl-33020762?src=similardocs	Acute Medicine	UK	Comparison LUS and CXR
Musolino AM	Roman Lung Ultrasound Study Team for Pediatric COVID-19 (ROMULUS COVID Team). Lung Ultrasound in Children with COVID-19: Preliminary Findings. doi: 10.1016/j.ultrasmedbio.2020.04.026	Ultrasound Med Biol	Italy	LUS in paediatrics
Musolino AM	The Role of Lung Ultrasound in Diagnosis and Follow-Up of Children with Coronavirus Disease 2019. doi: 10.1097/PCC.0000000000002436	Pediatr Crit Care Med	Italy	LUS monitoring children for COVID
Narinx N	Feasibility of using point-of-care lung ultrasound for early triage of COVID-19 patients in the emergency room. doi: 10.1007/s10140-020-01849-3	Emerg Radiol.	Belgium	Triage
Norbedo S	Lung Ultrasound Point-of-View in Pediatric and Adult COVID-19 Infection. doi: 10.1002/jum.15475	J Ultrasound Med	Italy	General application
Nouvenne A	Point-of-Care Chest Ultrasonography as a Diagnostic Resource for COVID-19 Outbreak in Nursing Homes. doi:	J Am Med Dir Assoc	Italy	LUS use in nursing homes

	10.1016/j.jamda.2020.05.050			
Nouvenne A	Lung Ultrasound in COVID-19 Pneumonia: Correlations with Chest CT on Hospital admission. doi: 10.1159/000509223	Respiration	Italy	LUS correlation with CT
Ottaviani S	Lung ultrasonography in patients with COVID-19: comparison with CT. doi: 10.1016/j.crad.2020.07.024	Clin Radiol	France	Comparison LUS and CT
Palabiyik F	Imaging of COVID-19 pneumonia in children. DOI: 10.1259/bjr.20200647	Br J Radiol	Turkey	LUS in paediatrics
Pare JR	Point-of-care Lung Ultrasound Is More Sensitive than Chest Radiograph for Evaluation of COVID-19. doi: 10.5811/westjem.2020.5.47743	West J Emerg Med	USA	Comparison LUS and CXR
Pata D	Chest Computed Tomography and Lung Ultrasound Findings in COVID-19 Pneumonia: A Pocket Review for Non-radiologists. doi: 10.3389/fmed.2020.00375	Front Med (Lausanne).	Italy	Comparison LUS and CT
Pecho-Silva S	Pulmonary Ultrasound in the Diagnosis and monitoring of Coronavirus Disease (Covid-19): A Systematic Review https://doi.org/10.1016/j.ultrasmedbio.2021.04.011	Elsevier	Peru	General application
Peh WM	Lung ultrasound in a Singapore COVID-19 intensive care unit patient and a review of its potential clinical utility in pandemic. doi: 10.15557/JoU.2020.0025	J Ultrasound	Singapore	LUS in ICU
Peixotoa AO	Applicability of lung ultrasound in COVID-19 diagnosis and evaluation of the disease progression: A systematic review doi: 10.1016/j.pulmoe.2021.02.004	pulmonology	Brazil	General application
Pierce CW	Clarifying the role of lung ultrasonography in COVID-19 respiratory disease. doi: 10.1503/cmaj.75311	CMAJ	Canada	General application
Pierrakos C	Lung Ultrasound for the Guidance of Adjunctive Therapies in Two Invasively Ventilated Patients with COVID-19 doi: 10.4269/ajtmh.20-0538.	Am J Trop Med Hyg	Belgium	LUS in guiding therapy
Qian X	Current Ultrasound Technologies and Instrumentation in the Assessment and Monitoring of COVID-19 Positive Patients. doi: 10.1109/TUFFC.2020.3020055	IEEE Trans Ultrason Ferroelectr Freq Control	USA	General application
Quarato CMI	Diagnosis and monitoring of COVID-19 pneumonia in pregnant women: is lung ultrasound appropriate? doi: 10.1002/uog.22156.	Ultrasound Obstet Gynecol.	Italy, Belgium	LUS in pregnant women with COVID-19

Quarato CMI	Lung Ultrasound in the Diagnosis of COVID-19 Pneumonia: Not Always and Not Only What Is COVID-19 “Glitters” doi: 10.3389/fmed.2021.707602	Frontiers in Big Data journal	Italy	General application
Recker F	Lung Sonography in Obstetrics during COVID-19 doi: 10.1055/a-1228-4242	Ann Emerg Med	Germany	General application
Reisinger N	Lung ultrasound: a valuable tool for the assessment of dialysis patients with COVID-19. doi: 10.1007/s10157-020-01903-x	Clin Exp Nephrol.	USA	LUS in dialysis
Rojatti M	Lung Ultrasound and Respiratory Pathophysiology in Mechanically Ventilated COVID-19 Patients-an Observational Trial https://doi.org/10.1007/s42399-020-00536-1	Compr Clin Med	Italy	LUS in monitoring ventilated patients
Roy S	Deep Learning for Classification and Localization of COVID-19 Markers in Point-of-Care Lung Ultrasound. doi: 10.1109/TMI.2020.2994459	IEEE Trans Med Imaging	Italy, Netherlands	LUS and Artificial Intelligence
Royer O	Lung Ultrasound Evolution in a Patient with COVID-19 https://doi.org/10.1164/rccm.202006-2572IM	Am J Respir Crit Care Med	Canada	General application
Rubio-Gracia J	Point-of-care lung ultrasound assessment for risk stratification and therapy guiding in COVID-19 patients. A prospective non-interventional study DOI: 10.1183/13993003.04283-2020	European Respiratory Journal	Spain	Risk assessment
Sahu AK	Lung sonographic findings in COVID-19 patients https://doi.org/10.1016/j.ajem.2020.08.080	Am J Emerg Med	India	General application
Sanjeev Bhoi	Point-of-care ultrasound in COVID-19 pandemic http://dx.doi.org/10.1136/postgradmedj-2020-137853	Postgrad Med J	India	General application
Scheier E	Could It Be Pneumonia? Lung Ultrasound in Children with Low Clinical Suspicion for Pneumonia. doi: 10.1097/pq9.0000000000000326.	Pediatr Qual Saf.	Israel	LUS in paediatrics
Scheier E	Lung ultrasound cannot be used to screen for Covid-19 in children. doi: 10.26355/eurrev_202005_21145	Eur Rev Med Pharmacol Sci	Israel	LUS in paediatrics
Schmid B	Lungensonografie bei Patienten mit Verdacht auf COVID-19 – Schritt-für-Schritt [Pulmonary Sonography in Patients with Suspected COVID-19 - Step-by-Step].	Dtsch Med Wochenschr	Germany	LUS application in suspected COVID
Schmid M	Lung Ultrasound findings in COVID-19 Pneumonia. doi: 10.3238/arztebl.2020.0335	Dtsch Arztebl Int	Germany	General application
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Segura-Grau E	Flash card Lung Ultrasound and COVID-19. doi: 10.1016/j.redar.2020.05.003	Rev Esp Anestesiol Reanim.	Portugal	Guidance on LUS protocols and typical findings
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Shokoohi H	Lung ultrasound monitoring in patients with COVID-19 on home isolation. doi: 10.1016/j.ajem.2020.05.079	Am J Emerg Med	USA, Spain	LUS patient monitoring
Shumilov E	Comparison of Chest Ultrasound and Standard X-Ray Imaging in COVID-19 Patients. doi: 10.1055/a-1217-1603	Ultrasound Int Open	Germany	Comparison LUS and CXR
Skaarup KG	Lung ultrasound findings in hospitalized COVID-19 patients in relation to venous thromboembolic events: the ECHOVID-19 study. doi: 10.1007/s40477-021-00605-8.	J Ultrasound	Denmark	Risk assessment
Smallwood N	Should point-of-care ultrasound become part of healthcare worker testing for COVID? doi: 10.7861/clinmed.2020-0442	Clin Med (Lond).	UK	LUS in testing healthcare workers for COVID
Smargiassi A	Lung Ultrasound for COVID-19 Patchy Pneumonia: Extended or Limited Evaluations? doi: 10.1002/jum.15428	J Ultrasound Med	Italy	Limiting LUS to specific chect regions
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Soldati G	Is There a Role for Lung Ultrasound During the COVID-19 Pandemic? doi: 10.1002/jum.15284	J Ultrasound Med.	Italy	General application
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Sperandeo M	Diagnosis of coronavirus disease 2019 pneumonia in pregnant women: can we rely on lung ultrasound? doi: 10.1016/j.ajog.2020.06.028	Am J Obstet Gynecol	Italy	LUS in pregnancy
Sperandeo M	Lung ultrasound early detection and monitoring in COVID-19 pneumonia: fact and fiction. doi: 10.1093/qjmed/hcaa165	QJM	China	General application and monitoring
Taccari F	COVID-19 and Lung Ultrasound: Reflections on the "Light Beam". https://doi.org/10.1002/jum.15468	J Ultrasound Med	Italy	Physics of LUS
Tan G	Use of Lung Ultrasound to Differentiate Coronavirus Disease 2019 (COVID-19) Pneumonia from Community-Acquired Pneumonia. https://doi.org/10.1016/j.ultrasmedbio.2020.05.006	Ultrasound Med Biol	China	Modified LUS scoring system
Tee A	Contrast-enhanced ultrasound (CEUS) of the lung reveals multiple areas of microthrombi in a COVID-19 patient. doi: 10.1007/s00134-020-06085-4	Intensive Care Med	UK	Contrast-enhanced LUS
Thomas A	Lung ultrasound findings in a 64-year-old woman with COVID-19. doi: 10.1503/cmaj.200414	CMAJ	Canada	General application
Trovato GM	Usefulness of lung ultrasound imaging in COVID-19 pneumonia: The persisting need of safety and evidences. doi: 10.1111/echo.14769	Echocardiography	Italy	General application
Tung-Chen Y	Correlation between Chest Computed Tomography and Lung Ultrasonography in Patients with Coronavirus Disease 2019 (COVID-19). DOI: 10.1016/j.ultrasmedbio.2020.07.003	Ultrasound Med Biol	Spain	LUS correlation with CT
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Tung-Chen Y	Lung ultrasound in the frontline diagnosis of COVID-19 infection doi: 10.1016/j.medcli.2020.06.001	Med Clin	Spain	General application

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Vetrugno L	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. doi: 10.1111/echo.14664	Echocardiography	Italy	LUS for grading and monitoring response
Vetrugno L	Lung Ultrasound and the COVID-19 "Pattern": Not All That Glitters Today Is Gold Tomorrow. doi: 10.1002/jum.15327	J Ultrasound Med	Italy	General application
Vetrugno L	The "pandemic" increase in lung ultrasound use in response to Covid-19: can we complement computed tomography findings? A narrative review. doi: 10.1186/s13089-020-00185-4	Ultrasound J	Italy	LUS complementing CT findings
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Vieira ALS	Role of point-of-care ultrasound during the COVID-19 pandemic: our recommendations in the management of dialytic patients. doi: 10.1186/s13089-020-00177-4	Ultrasound J	Brazil	LUS and dialysis of COVID patients
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Volpicelli G	What's new in lung ultrasound during the COVID-19 pandemic. doi: 10.1007/s00134-020-06048-9	Intensive Care Med.	Italy, Spain	General application

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Wang H	Novel 4W (When-Where-What-What) Approach of Training Point-of-Care Ultrasound (POCUS) Application in Resuscitation With High-Fidelity Simulator. doi: 10.7759/cureus.9353	Cureus	USA	LUS in patient resuscitation
Wangüemert Pérez AL	Lung Ultrasound Before and After SARS-CoV-2 doi: 10.1016/j.arbres.2020.07.040.	Arch Bronconeumol.	Spain	General applicatin
Wu S	Pilot Study of Robot-assisted Tele ultrasound Based on 5G Network: a New Feasible Strategy for Early Imaging Assessment during COVID-19 Pandemic doi: 10.1109/TUFFC.2020.3020721	IEEE Trans Ultrason Ferroelectr Freq Control	China	General application
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Yang Y	Lung ultrasonography versus chest CT in COVID-19 pneumonia: a two-centered retrospective comparison study from China. doi: 10.1007/s00134-020-06096-1	Intensive Care Med.	China	Comparison LUS and CT
Yao Z	Lung Ultrasound Findings in Patients with Coronavirus Disease (COVID-19) https://www.ajronline.org/doi/full/10.2214/AJR.20.23513	AJR	China	General application
Yassa M	Lung ultrasonography in pregnant women during the COVID-19 pandemic: an interobserver agreement study among obstetricians. doi: 10.14366/usg.20084	Ultrasonography	Turkey	LUS in pregnancy
Yassa M	Lung Ultrasound Can Influence the Clinical Treatment of Pregnant Women with COVID-19. doi: 10.1002/jum.15367	J Ultrasound Med	Turkey	LUS in pregnancy
Yassa M	Outcomes of universal SARS-CoV-2 testing program in pregnant women admitted to hospital and the adjuvant role of lung ultrasound in screening: a prospective cohort study. doi: 10.1080/14767058.2020.1798398	J Matern Fetal Neonatal Med	Turkey	LUS in pregnancy in screening for COVID pneumonia
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Ye R	Feasibility of a 5G-Based Robot-Assisted Remote Ultrasound	Chest.	China	Robotic LUS

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Youssef A	Lung ultrasound in the coronavirus disease 2019 pandemic: a practical guide for obstetricians and gynecologists. doi: 10.1016/j.ajog.2020.05.014.	Am J Obstet Gynecol	Italy	General application
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Zanforlin A	Lung Ultrasound During the COVID-19 Pandemic: Building a Mobile Lung Ultrasound Unit. doi: 10.1002/jum.15375	J Ultrasound Med	Italy	Mobile Ultrasound
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Zhang Y	Lung Ultrasound Findings in Patients with Coronavirus Disease (COVID-19). doi: 10.2214/AJR.20.23513	AJR Am J Roentgenol	China	General application
Zhang Z	The Role of Lung Ultrasound in the Assessment of Novel Coronavirus Pneumonia. doi: 10.1053/j.jvca.2020.04.040	J Cardiothorac Vasc Anesth	China	General application
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Zieleskiewicz L	Comparative study of lung ultrasound and chest computed tomography scan in the assessment of severity of confirmed COVID-19 pneumonia. doi: 10.1007/s00134-020-06186-0	Intensive Care Med	France	Comparison LUS and CT
Zieleskiewicz L	Ultrasound findings in patients with COVID-19 pneumonia in early and late stages: Two case-reports. doi: 10.1016/j.accpm.2020.04.015	Anaesth Crit Care Pain Med	France	General application