Which Study Designs and Primary Outcomes Are Reported in the Published Studies of Lung Ultrasound in Emergency Medicine?



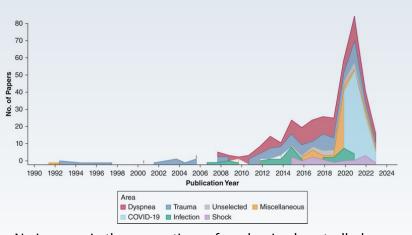
STUDY DESIGN

Scoping review using a systematic search in PubMed/MEDLINE, Embase, Web of Science, Scopus, and Cochrane Library databases published prior to May 13, 2023

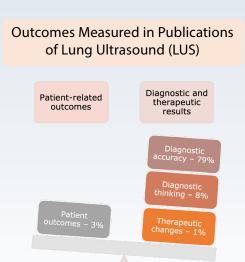
4,076 screened and 406 publications included

- 375 (92%) Observational
- 18 (4%) Randomized
- 13 (3%) Case Series

RESULTS



No increase in the proportions of randomized controlled trials or the scope of primary outcome measures was observed over time.



Observational diagnostic studies have been produced in abundance, leaving a paucity of research exploring clinical utility. Notably, research exploring whether LUS causes changes to clinical decisions is imperative prior to any further research being made into patient benefits.