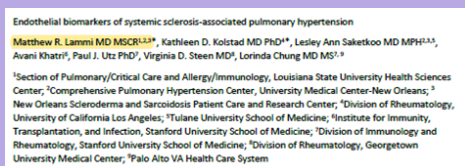
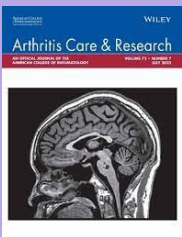
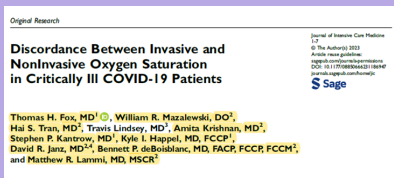


DOM NEWS BLAST

The LSU Department of Medicine Weekly Communication

Our vision for the Department of Medicine is that we will have a national reputation for excellence in medical education by 2030. One critical component of medical education is producing new knowledge through research, including clinical trials, original research, education research and quality improvement initiatives. This week we celebrate a number of publications that support the LSU DOM's advancement of new knowledge.

In a joint collaborative between the Pulmonary/Critical Care section and the EM/IM residency program, this paper explores the discordance in oxy-hemoglobin saturation measured both by pulse oximetry (SpO2) and arterial blood gas (ABG, SaO2) among critically ill coronavirus disease 2019 (COVID-19(+)) patients compared to COVID-19(-) patients. The study found pulse oximetry was discordant with ABG more often in critically ill COVID-19(+) than COVID-19(-) patients. However, these findings appear to be driven by racial differences between cohorts. Congratulations to Dr. Thomas Fox (IM/EM Resident), Dr. William Mazalewski (former Pulmonary/Critical Care Fellow), Dr. Hai Tran (Pulmonary/Critical Care Fellow), and Pulmonary/Critical Care faculty: Dr. Amita Krishnan, Dr. Stephen Kantrow, Dr. Kyle Happel, Dr. David Janz, Dr. Bennett deBoisblanc, and Dr. Matthew Lammi. Strong work!



Dr. Matthew Lammi (Pulmonary/Critical Care) recently published a first author paper on endothelial biomarkers of systemic sclerosis-associated pulmonary hypertension. The study examined three potential biomarkers that could be used to identify pulmonary hypertension (PH) earlier in those with systemic sclerosis. One of the biomarkers, Pentraxin -3 looked to be a promising biomarker of risk status as well as a marker of pre-capillary PH and should be a target for further study. Fascinating work, Dr. Lammi!



Dr. Michelle Blyth (Infectious Diseases) recently published a sole-author paper in Evolution, Medicine, & Public Health that was a series of case studies of urinary tract infections. Dr. Blyth uses evolutionary principles including selection, fitness and fitness cost, competition, and mismatch to discussion of this case series. Great job, Dr. Blyth!