

## Manoj Maddali, MD

Contingent Employee, Medicine - Med/Pulmonary, Allergy & Critical Care  
Medicine

### Publications

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#### PUBLICATIONS

- **Molecular endotypes predict differential response to immunosuppressant therapy in non-IPF interstitial lung disease.** *American journal of respiratory and critical care medicine*  
Maddali, M. V., Pugashetti, J. V., Pienkos, S. M., Moore, A. R., Konkol, S. B., Kim, J. S., Ma, S. F., Newton, C. A., Garcia, C. K., Adegunsoye, A., Strek, M. E., Chen, C. H., Linderholm, et al  
2026
- **Molecular Endotypes of Idiopathic Pulmonary Fibrosis: A Latent Class Analysis of Two Multicenter Observational Cohorts.** *American journal of respiratory and critical care medicine*  
Maddali, M. V., Moore, A. R., Sinha, P., Newton, C. A., Kim, J. S., Adegunsoye, A., Ma, S. F., Strek, M. E., Chen, C. H., Linderholm, A. L., Zemans, R. L., Moore, B. B., Wolters, et al  
2024
- **Development and validation of a CT-based deep learning algorithm to augment non-invasive diagnosis of idiopathic pulmonary fibrosis.** *Respiratory medicine*  
Maddali, M. V., Kalra, A., Muelly, M., Reicher, J. J.  
2023: 107428
- **Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis.** *The Lancet. Respiratory medicine*  
Maddali, M. V., Churpek, M., Pham, T., Rezoagli, E., Zhuo, H., Zhao, W., He, J., Delucchi, K. L., Wang, C., Wickersham, N., McNeil, J. B., Jauregui, A., Ke, et al  
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- **Latent Class Analysis Reveals COVID-19-related Acute Respiratory Distress Syndrome Subgroups with Differential Responses to Corticosteroids** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*  
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- **Development and Validation of HIV-ASSIST, an Online, Educational, Clinical Decision Support Tool to Guide Patient-Centered ARV Regimen Selection** *JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*  
Maddali, M. V., Mehtani, N. J., Converse, C., Kapoor, S., Pham, P., Li, J. Z., Shah, M.  
2019; 82 (2): 188-194
- **Cultryx: Precision Diagnostic Stewardship for Blood Cultures Using Machine Learning.** *medRxiv : the preprint server for health sciences*  
Marshall, N. P., Chen, W., Amrollahi, F., Haredasht, F. N., Maddali, M. V., Ma, S. P., Zahedivash, A., Black, K. C., Chang, A., Deresinski, S. C., Goldstein, M. K., Asch, S. M., Banaei, et al  
2026
- **Author Correction: A consensus immune dysregulation framework for sepsis and critical illnesses.** *Nature medicine*  
Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Lu, J., Bouma, H. R., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, et al  
2025
- **A consensus immune dysregulation framework for sepsis and critical illnesses.** *Nature medicine*

- Moore, A. R., Zheng, H., Ganesan, A., Hasin-Brumshtein, Y., Maddali, M. V., Levitt, J. E., van der Poll, T., Lu, J., Bouma, H. R., Scicluna, B. P., Giamarellos-Bourboulis, E. J., Kotsaki, A., Martin-Loeches, et al  
2025
- **ARDS Molecular Phenotypes Have Distinct Lower Respiratory Tract Transcriptomes.** *American journal of respiratory and critical care medicine*  
Sarma, A., Christenson, S. A., Zha, B. S., Pisco, A. O., Neyton, L. P., Mick, E., Sinha, P. S., Wilson, J. G., Moazed, F., Leligdowicz, A., Maddali, M. V., Siegel, E. R., Lyon, et al  
2025
  - **Stewardship of Intravenous Fluids During Shortage and Beyond.** *The Journal of emergency medicine*  
Moore, A. R., Gordon, A. J., Marvel, J. T., Maddali, M. V., Chen, J. H., Urdaneta, A., Wilson, J. G.  
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  - **Heterogeneity in association of myocardial injury and mortality in sepsis or acute respiratory distress syndrome by subphenotype: a retrospective study.** *Critical care (London, England)*  
Sanchez, P. A., Obeidalla, S., Kerchberger, V. E., Moore, A. R., Maddali, M. V., Kangelaris, K. N., Hendrickson, C. M., Evrard, B., Liu, K. D., Bastarache, J. A., Matthey, M. A., Rogers, A. J., Calfee, et al  
2025; 29 (1): 363
  - **Antibiotic Resistance Microbiology Dataset (ARMD): A Resource for Antimicrobial Resistance from EHRs.** *Scientific data*  
Nateghi Haredasht, F., Amrollahi, F., Maddali, M. V., Marshall, N., Ma, S. P., Cooper, L. N., Johnson, A. O., Wei, Z., Medford, R. J., Kanjilal, S., Banaei, N., Deresinski, S., Goldstein, et al  
2025; 12 (1): 1299
  - **Antibiotic Resistance Microbiology Dataset (ARMD): A Resource for Antimicrobial Resistance from EHRs.** *ArXiv*  
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  - **Antibiotic Resistance Microbiology Dataset (ARMD): A Resource for Antimicrobial Resistance from EHRs.** *ArXiv*  
Haredasht, F. N., Amrollahi, F., Maddali, M. V., Marshall, N., Ma, S. P., Cooper, L. N., Johnson, A. O., Wei, Z., Medford, R. J., Kanjilal, S., Banaei, N., Deresinski, S., Goldstein, et al  
2025
  - **Moving past multidisciplinary discussions and Gender-Age-Physiology model: precision medicine through biological phenotyping in interstitial lung disease.** *Current opinion in pulmonary medicine*  
Maddali, M. V., Oldham, J. M., Moor, C. C.  
2025
  - **Proteomic Biomarkers of Survival in Non-IPF Interstitial Lung Disease.** *American journal of respiratory and critical care medicine*  
Alqalyoobi, S., Smith, J. A., Maddali, M. V., Pugashetti, J. V., Newton, C. A., Kim, J. S., Linderholm, A. L., Chen, C., Ma, S., Bose, S., Murray, S., Adegunsoye, A., Streck, et al  
2025
  - **Clinical entity augmented retrieval for clinical information extraction.** *NPJ digital medicine*  
Lopez, I., Swaminathan, A., Vedula, K., Narayanan, S., Nateghi Haredasht, F., Ma, S. P., Liang, A. S., Tate, S., Maddali, M., Gallo, R. J., Shah, N. H., Chen, J. H.  
2025; 8 (1): 45
  - **International multi-cohort analysis identifies novel framework for quantifying immune dysregulation in critical illness: results of the SUBSPACE consortium.** *bioRxiv : the preprint server for biology*  
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2024
  - **A Multi-Phase Analysis of Blood Culture Stewardship: Machine Learning Prediction, Expert Recommendation Assessment, and LLM Automation.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
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- **Machine Learning-Based Prediction of Antimicrobial Susceptibility: A Step Towards Precision Antimicrobial Stewardship.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
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2024; 2024: 138-146
- **Mapping the Proteomic Landscape of Radiological Lung Abnormalities.** *American journal of respiratory and critical care medicine*  
Maddali, M. V., Kim, J. S., Oldham, J. M.  
2024
- **Enhancing Antibiotic Stewardship: A Machine Learning Approach to Predicting Antibiotic Resistance in Inpatient Care.** *AMIA ... Annual Symposium proceedings. AMIA Symposium*  
Haredasht, F. N., Maddali, M. V., Ma, S. P., Chang, A., Kim, G. Y., Banaei, N., Deresinski, S., Goldstein, M. K., Asch, S. M., Chen, J. H.  
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- **Estimating the attributable fraction of mortality from acute respiratory distress syndrome to inform enrichment in future randomised clinical trials.** *Thorax*  
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2023
- **Cutting the Gordian knot of heterogeneity: Can integrated systems biology modelling rescue critical care syndromes?** *EBioMedicine*  
Maddali, M. V., Sinha, P.  
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- **New Strategies in Clinical Guideline Delivery: Randomized Trial of Online, Interactive Decision Support Versus Guidelines for Human Immunodeficiency Virus Treatment Selection by Trainees** *CLINICAL INFECTIOUS DISEASES*  
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2021; 72 (9): 1608-1614
- **Carcinoid Crisis-Induced Acute Systolic Heart Failure.** *JACC. Case reports*  
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- **Evaluating the Concordance of Clinician Antiretroviral Prescribing Practices and HIV-ASSIST, an Online Clinical Decision Support Tool** *JOURNAL OF GENERAL INTERNAL MEDICINE*  
Ramirez, J. A., Maddali, M., Budak, J. Z., Li, J. Z., Lampiris, H., Shah, M.  
2020; 35 (5): 1498-1503
- **A Case of Morvan Syndrome Mimicking Amyotrophic Lateral Sclerosis With Frontotemporal Dementia.** *Journal of clinical neuromuscular disease*  
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- **Epidemiological impact of achieving UNAIDS 90-90-90 targets for HIV care in India: a modelling study** *BMJ OPEN*  
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- **Economic and epidemiological impact of early antiretroviral therapy initiation in India** *JOURNAL OF THE INTERNATIONAL AIDS SOCIETY*  
Maddali, M. V., Dowdy, D. W., Gupta, A., Shah, M.  
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- **Division of labour between Myc and G1 cyclins in cell cycle commitment and pace control** *NATURE COMMUNICATIONS*  
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