

Daniel Berk Knox, MD

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Education

M.D., New York Medical College, Valhalla, NY 2008
B.A., Mathematics, Lewis and Clark College, Portland, OR 2003

Postdoctoral Training

Interventional Pulmonary Training 2014
Supervisor: Chakravarthy Reddy MD, Mark Elstad MD
Department University of Utah, Salt Lake City, UT
Pulmonary Critical Care Fellowship, University of Utah, Salt Lake City, UT 2011-2014
Residency, Greenwich Hospital (Yale University), Greenwich, CT 2009-2011
Internship, Greenwich Hospital (Yale University), Greenwich, CT 2008

Clinical Positions and Employment

Critical Care, Pulmonary, Pulmonary Physiologist and Interventional Pulmonary Medicine Clinician and Associate Professor in the Division of Pulmonary Critical Care Medicine, Intermountain Medical Center, Murry, UT 2019 to present

- Clinician, Researcher and Educator in a quaternary care center practicing the full breadth of inpatient and outpatient Pulmonary and Critical Care Medicine with emphasis on cardiac ICU; telecritical care; pulmonary function lab oversight; supervision and teaching PA/NP students, medical students, residents and fellows; Epic rollout physician lead for Pulmonary and Critical Care; Big data researcher*

Critical Care, Pulmonary and Interventional Pulmonary Medicine Clinician and Assistant Professor in the Division of Pulmonary Allergy and Critical Care Medicine Department of Medicine, University of Massachusetts, Worcester, MA 2015 to 2019

- Clinician, Researcher and Educator in a tertiary care center practicing the full breadth of inpatient and outpatient Pulmonary, Interventional Pulmonary and Critical Care Medicine; LTAC rounding; telecritical care; pulmonary function lab interpretation; supervision and teaching PA/NP students, medical students, residents and fellows; Epic rollout physician lead for Pulmonary and Critical Care*

Private Practice, Pulmonary Critical Care and Interventional Pulmonary Medicine, Central Maine Medical Center, Lewiston, ME 2015

- Locums Clinician for Critical Care Medicine in a mixed ICU*

Private Practice, Pulmonary Critical Care and Interventional Pulmonary Medicine, Critical Care Pulmonary and Sleep Associates, Centura Hospitals, Lakewood, CO 2014-2015

- Clinician in a large critical care group practicing at 6 Denver area hospitals practicing the full breadth of inpatient and outpatient Pulmonary, Interventional Pulmonary and Critical Care Medicine*

Private Practice, Silverton Group, Salt Lake City, UT 2012-2015

- *Clinician in a LTAC/respiratory SNF physician group rounding at numerous facilities in the greater Salt Lake area*

Academic Appointments

Associate Professor in the Division of Pulmonary Critical Care Medicine, Intermountain Medical Center, Murry, UT	2022 to present
Associate Professor (Adjunct track) in the Division of Pulmonary Critical Care Medicine, University of Utah, Salt Lake City, UT	2022 to present
Assistant Professor in the Division of Pulmonary Critical Care Medicine, Intermountain Medical Center, Murry, UT	2019 to 2022
Assistant Professor (Adjunct track) in the Division of Pulmonary Critical Care Medicine, University of Utah, Salt Lake City, UT	2019 to 2022
Assistant Professor in the Division of Pulmonary Allergy and Critical Care Medicine Department of Medicine, University of Massachusetts, Worcester, MA	2015 to 2019

Leadership Positions

Epic Corporation Steering Board for Critical Care	2024 to present
Pulmonary function lab technology lead, Intermountain Medical Center	2024 to 2025
Critical Care Physician Builder for Epic EMR	2024 to 2025
Peer Support Member, Intermountain Health	2023 to 2025
Schmidt chest clinic fellow's clinic lead physician, Intermountain Medical Center	2022 to 2025
Physician lead for on-call scheduling solution for Intermountain Medical Center	2022 to 2025
Conference Committee, Worcester Pulmonary Symposium, Worcester, MA	2019
Informatics Liaison for the Division of Pulmonary, Allergy and Critical Care Medicine UMass Memorial Healthcare, Worcester, MA	2018 to 2019
Associate Director for Pulmonary Procedures UMass Memorial Healthcare, Worcester, MA	2018 to 2019
Co-Director, Center for Airway Disorders UMass Memorial Healthcare, Worcester, MA	2017 to 2019

Clinical Practice

Certification and Licensure

Diplomate in Internal Medicine, ABIM	2011,2020
Diplomate in Pulmonary Disease, ABIM	2013
Diplomate in Critical Care Medicine, ABIM	2014
Diplomate in Interventional Pulmonology, AABIP	2017
Active State Medical License -- Utah, Idaho, Wyoming, Montana, Nevada, Arizona, Colorado	
Inactive State Medical License – Maine, Massachusetts	

Clinical Discipline

Critical Care, Pulmonary, Pulmonary Physiologist and Interventional Pulmonary Medicine	2014 to present
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Procedures Performed

Arterial Line, Central Lines, Bronchoscopy, EBUS, Chest tubes, Lumbar Punctures, Intubations, POCUS, Thoracentesis, Paracentesis, Tunneled Pleural Catheters, Temporary Pacemakers, Right heart Catheterization

Professional Development

Peer Support, Intermountain Healthcare	11/5/2023
Disrupting Everyday Bias, Intermountain Healthcare	7/28/2022
Advanced Training Program, Intermountain Healthcare	Fall 2021
Physician Builder, Epic, Verona WI	7/23/2018
Organizing, Prioritizing and Managing Your Work (University of Massachusetts), Worcester MA	9/13/2017
Crucial Accountability (University of Massachusetts), Worcester MA	5/25/2017

Community Service

Wilderness Medical Society, Search and Rescue Committee Member	2021 to 2024
The ManKind Project, National Medical Case Readiness Reviewer	2018 to 2024
National Ski Patrol, Regional Medical Director for Eastern Massachusetts and Rhode Island	2018 to 2019
National Ski Patrol (Wachusett Mountain), patroller	2016 to 2018
Marin County Search and Rescue, Team Leader, High Angle Medic, Medical Advisor	1996 to 2008

Publications

Peer-reviewed publications <https://www.ncbi.nlm.nih.gov/myncbi/daniel.knox.1/bibliography/public/>

1. Knox D et al. "Birthplace implications of COVID-19 in Utah" 2025 Under Review
2. Chang D, Knox D et al, "COVID-19 disparities and substance use disorders in Utah" Under Review
3. Mourad, A., Grandits, G. A., Siegel, L. K., Engen, N., Barkauskas, C., Eriobu, N., Jain, M. K., Jensen, T. O., Ginde, A., Higgs, E., Knox, D. B., Kitonsa, J., Kim, K., Malin, J. J., Rapti, V., Price, D. A., Mena Lora, A. J., Mathews, G., Mylonakis, E., ... Holland, T. L. (2025). Long-term outcomes of passive immunotherapy for COVID-19: A pooled analysis of a large multinational platform randomized clinical trial. *Clinical Microbiology and Infection : The Official Publication of the European Society of Clinical Microbiology and Infectious Diseases*, S1198-743X(25)00060-6. <https://doi.org/10.1016/j.cmi.2025.02.002>
4. Aggarwal, N. R., Nordwall, J., Braun, D. L., Chung, L., Coslet, J., Der, T., Eriobu, N., Ginde, A. A., Hayanga, A. J., Highbarger, H., Holodniy, M., Horcajada, J. P., Jain, M. K., Kim, K., Laverdure, S., Lundgren, J., Natarajan, V., Nguyen, H. H., Pett, S. L., ... Reilly, C. (2024). Viral and Host Factors Are Associated With Mortality in Hospitalized Patients With COVID-19. *Clinical Infectious Diseases : An Official Publication of the Infectious Diseases Society of America*, 78(6), 1490–1503. <https://doi.org/10.1093/cid/ciad780>
5. Carr, J. R., Knox, D. B., Butler, A. M., Lum, M. M., Jacobs, J. R., Jephson, A. R., Jones, B. E., Brown, S. M., & Dean, N. C. (2024). ICU Utilization After Implementation of Minor Severe Pneumonia Criteria in Real-Time Electronic Clinical Decision Support. *Critical Care Medicine*, 52(3), e132–e141. <https://doi.org/10.1097/CCM.0000000000006163>
6. Collins, S. P., Shotwell, M. S., Strich, J. R., Gibbs, K. W., de Wit, M., Files, D. C., Harkins, M., Hudock, K., Merck, L. H., Moskowitz, A., Apodaca, K. D., Barksdale, A., Safdar, B., Javaheri, A., Sturek, J. M., Schragger, H., Iovine, N. M., Tiffany, B., Douglas, I., ... Self, W. H. (2024). Fostamatinib for Hospitalized Adults With COVID-19 and Hypoxemia: A Randomized Clinical Trial. *JAMA Network Open*, 7(12), e2448215. <https://doi.org/10.1001/jamanetworkopen.2024.48215>

7. Jensen, T. O., Grandits, G. A., Jain, M. K., Murray, T. A., Grund, B., Shaw-Saliba, K., Matthay, M. A., Abassi, M., Ardelt, M., Baker, J. V., Chen, P., Dewar, R. L., Goodman, A. L., Hatlen, T. J., Highbarger, H. C., Holodniy, M., Lallemand, P., Laverdure, S., Leshnowar, B. G., ... Ko, E. R. (2024). Effect of Neutralizing Monoclonal Antibody Treatment on Early Trajectories of Virologic and Immunologic Biomarkers in Patients Hospitalized With COVID-19. *The Journal of Infectious Diseases*, 229(3), 671–679. <https://doi.org/10.1093/infdis/jiad446>
8. Jensen, T. O., Murray, T. A., Grandits, G. A., Jain, M. K., Grund, B., Shaw-Saliba, K., Matthay, M. A., Abassi, M., Ardelt, M., Baker, J. V., Chen, P., Dewar, R. L., Goodman, A. L., Hatlen, T. J., Highbarger, H. C., Holodniy, M., Lallemand, P., Laverdure, S., Leshnowar, B. G., ... Ko, E. R. (2024). Early trajectories of virological and immunological biomarkers and clinical outcomes in patients admitted to hospital for COVID-19: An international, prospective cohort study. *The Lancet Microbe*, 5(6), e559–e569. [https://doi.org/10.1016/S2666-5247\(24\)00015-6](https://doi.org/10.1016/S2666-5247(24)00015-6)
9. Kennison, E. E., Murray, N. M., Collingridge, D. S., Knox, D., & Fontaine, G. V. (2024). Aneurysmal Subarachnoid Hemorrhage Risk Assessment Model Identifies Patients for Safe Early Discharge at Day 15 – The SAFE-SaHScore. <https://doi.org/10.21203/rs.3.rs-5357203/v1>
10. Lanspa, M. J., Khan, A., Lyons, P. G., Gong, M. N., Naqvi, A. A., Dugar, S., Duggal, A., Johnson, N. J., Schoeneck, J. H., Smith, L., Bose, S., Shapiro, N. I., Shvilkina, T., Groat, D., Jacobs, J. R., Olsen, T. D., Cannavina, S., Knox, D. B., Hirshberg, E. L., ... Brown, S. M. (2024). Crystalloid Liberal or Vasopressors Early Resuscitation in Sepsis-Study of Treatment's Echocardiographic Mechanisms (CLOVERS-STEM). *Critical Care Explorations*, 6(12), e1182. <https://doi.org/10.1097/CCE.0000000000001182>
11. Lerner, R. P., Mohamed, A., Ilg, A., Seethala, R. R., Witkin, A., Crowley, J., Carlese, A., Gong, M. N., Aimlin, I., Chen, J.-T., Furfaro, D., O'Gara, B., Gardner, R., Butera, M., Shaefi, S., Knox, D., Gutteridge, D., Horner, C., Manasia, A., ... Moskowitz, A. (2024). Causes of Death Among Patients Supported by Extracorporeal Membrane Oxygenation. *CHEST Critical Care*, 100114. <https://doi.org/10.1016/j.chstcc.2024.100114>
12. Ware, L. B., Files, D. C., Fowler, A., Aboodi, M. S., Aggarwal, N. R., Brower, R. G., Chang, S. Y., Douglas, I. S., Fields, S., Foulkes, A. S., Ginde, A. A., Harris, E. S., Hendey, G. W., Hite, R. D., Huang, W., Lai, P., Liu, K. D., Thompson, B. T., & Matthay, M. A. (2024). Acetaminophen for Prevention and Treatment of Organ Dysfunction in Critically Ill Patients With Sepsis: The ASTER Randomized Clinical Trial. *JAMA*, 332(5), 390–400. <https://doi.org/10.1001/jama.2024.8772>
13. Admon, A. J., Iwashyna, T. J., Kamphuis, L. A., Gundel, S. J., Sahetya, S. K., Peltan, I. D., Chang, S. Y., Han, J. H., Vranas, K. C., Mayer, K. P., Hope, A. A., Jolley, S. E., Caldwell, E., Monahan, M. L., Hauschildt, K., Brown, S. M., Aggarwal, N. R., Thompson, B. T., Hough, C. L., ... Zaman, T. (2023). Assessment of Symptom, Disability, and Financial Trajectories in Patients Hospitalized for COVID-19 at 6 Months. *JAMA Network Open*, 6(2), e2255795. <https://doi.org/10.1001/jamanetworkopen.2022.55795>
14. Brown, S. M., Barkauskas, C. E., Grund, B., Sharma, S., Phillips, A. N., Leither, L., Peltan, I. D., Lanspa, M., Gilstrap, D. L., Mourad, A., Lane, K., Beitler, J. R., Serra, A. L., Garcia, I., Almasri, E., Fayed, M., Hubel, K., Harris, E. S., Middleton, E. A., ... Wenner, C. (2023). Intravenous aviptadil and remdesivir for treatment of COVID-19-associated hypoxaemic respiratory failure in the USA (TESICO): A randomised, placebo-controlled trial. *The Lancet Respiratory Medicine*, 11(9), 791–803. [https://doi.org/10.1016/S2213-2600\(23\)00147-9](https://doi.org/10.1016/S2213-2600(23)00147-9)
15. Chambers, J., Knox, D., & Leclair, T. (2023). O-arm CT for Confirmation of Successful Navigation During Robotic Assisted Bronchoscopy. *Journal of Bronchology & Interventional Pulmonology*, 30(2), 155–162. <https://doi.org/10.1097/LBR.0000000000000894>
16. Lanspa, M. J., Dugar, S. P., Prigmore, H. L., Boyd, J. S., Rupp, J. D., Lindsell, C. J., Rice, T. W., Qadir, N., Lim, G. W., Shiloh, A. L., Dieiev, V., Gong, M. N., Fox, S. W., Hirshberg, E. L., Khan, A., Kornfield, J., Schoeneck, J. H., Macklin, N., Files, D. C., ... Brown, S. M. (2023). Early Serial Echocardiographic and Ultrasonographic Findings in Critically Ill Patients With COVID-19. *CHEST Critical Care*, 1(1), 100002. <https://doi.org/10.1016/j.chstcc.2023.100002>
17. Myers, L. C., Knox, D., Thai, K. K., Kipnis, P., Jacobs, J., Lee, C., Desai, M., Devis, Y., Clancy, H., Lu, Y. W., Go, A. S., Liu, V. X., & Walkey, A. J. (2023). Predicting Cardiovascular Events after Sepsis with Death as a Competing Risk. *Annals of the American Thoracic Society*, 20(1), 145–148. <https://doi.org/10.1513/AnnalsATS.202206-536RL>

18. Scarpato, B. M., Locke, B. W., Bledsoe, J., Knox, D. B., Conner, K., Stoddard, G. J., Cirulis, M. M., Elliott, C. G., & Dodson, M. W. (2023). The association between pulmonary artery enlargement and mortality in an Emergency Department population undergoing computed tomography pulmonary angiography. *Pulmonary Circulation*, 13(2), e12225. <https://doi.org/10.1002/pul2.12225>
19. Shanholtz, C. B., Terrin, M. L., Harrington, T., Chan, C., Warren, W., Walter, R., Armstrong, F., Marshall, J., Scheraga, R., Duggal, A., Formanek, P., Baram, M., Afshar, M., Marchetti, N., Singla, S., Reilly, J., Knox, D., Puri, N., Chung, K., ... Hasday, J. D. (2023). Design and rationale of the CHILL phase II trial of hypothermia and neuromuscular blockade for acute respiratory distress syndrome. *Contemporary Clinical Trials Communications*, 33, 101155. <https://doi.org/10.1016/j.conctc.2023.101155>
20. Barkauskas, C., Mylonakis, E., Poulakou, G., Young, B. E., Vock, D. M., Siegel, L., Engen, N., Grandits, G., Mosaly, N. R., Vekstein, A. M., Rogers, R., Shehadeh, F., Kaczynski, M., Mylona, E. K., Syrigos, K. N., Rapti, V., Lye, D. C., Hui, D. S., Leither, L., ... Lundgren, J. D. (2022). Efficacy and Safety of Ensovibep for Adults Hospitalized With COVID-19: A Randomized Controlled Trial. *Annals of Internal Medicine*, 175(9), 1266–1274. <https://doi.org/10.7326/M22-1503>
21. Bledsoe, J. R., Knox, D., Peltan, I. D., Woller, S. C., Lloyd, J. F., Snow, G. L., Horne, B. D., Connors, J. M., & Kline, J. A. (2022). D-dimer Thresholds to Exclude Pulmonary Embolism among COVID-19 Patients in the Emergency Department: Derivation with Independent Validation. *Clinical and Applied Thrombosis/Hemostasis*, 28, 10760296221117997. <https://doi.org/10.1177/10760296221117997>
22. Cirulis, M. M., Knox, D. B., Stoddard, G. J., Brown, L. M., Elliott, C. G., Brown, S. M., & Dodson, M. W. (2022). The CTEPH Trajectories Study: Assessment of Follow-Up after Acute Pulmonary Embolism to Identify Missed Opportunities for Chronic Thromboembolic Pulmonary Hypertension Diagnosis. *Annals of the American Thoracic Society*, 19(8), 1428–1432. <https://doi.org/10.1513/AnnalsATS.202112-1316RL>
23. Hendrickson, K. W., Knox, D. B., Bledsoe, J. R., Peltan, I. D., Jacobs, J. R., Lloyd, J. F., Dean, N. C., Woller, S. C., & Brown, S. M. (2022). Comparative Frequency of Venous Thromboembolism in Patients Admitted to the Hospital with SARS-CoV-2 Infection versus Community-acquired Pneumonia. *Annals of the American Thoracic Society*, 19(7), 1233–1235. <https://doi.org/10.1513/AnnalsATS.202108-953RL>
24. Knox, D. B., Brunhoeber, A., Peltan, I. D., Brown, S. M., & Lanspa, M. J. (2022). Comparison of radiographic pneumothorax and pneumomediastinum in COVID-19 vs. Non-COVID-19 acute respiratory distress syndrome. *Intensive Care Medicine*. <https://doi.org/10.1007/s00134-022-06816-9>
25. Knox, D. B., Hirshberg, E. L., Orme, J., Peltan, I., & Lanspa, M. J. (2022). Effect of COVID 19 pneumonia on hyperglycemia: Is it different from non COVID pneumonia? *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, 16(2), 102407. <https://doi.org/10.1016/j.dsx.2022.102407>
26. Knox, D. B., Lanspa, M. J., Wilson, E., Haaland, B., Beesley, S., Hirshberg, E., Abraham, T. P., Vallabhajosyula, S., Grissom, C. K., Drakos, S. G., & Brown, S. M. (2022). Initial Derivation of a Predictive Model for Left Ventricular Longitudinal Strain (LS) in Early Sepsis. *Journal of Intensive Care Medicine*, 37(8), 1049–1054. <https://doi.org/10.1177/08850666211053796>
27. Rogers, A. J., Wentworth, D., Phillips, A., Shaw-Saliba, K., Dewar, R. L., Aggarwal, N. R., Babiker, A. G., Chang, W., Dharan, N. J., Davey, V. J., Higgs, E. S., Gerry, N., Ginde, A. A., Hayanga, J. W. A., Highbarger, H., Highbarger, J. L., Jain, M. K., Kan, V., Kim, K., ... Lundgren, J. D. (2022). The Association of Baseline Plasma SARS-CoV-2 Nucleocapsid Antigen Level and Outcomes in Patients Hospitalized With COVID-19. *Annals of Internal Medicine*, 175(10), 1401–1410. <https://doi.org/10.7326/M22-0924>
28. Walkey, A. J., Knox, D. B., Myers, L. C., Thai, K. K., Jacobs, J. R., Kipnis, P., Desai, M., Go, A. S., Lu, Y., Brown, S. M., Martinez, A., Clancy, H., Devis, Y., & Liu, V. X. (2022). Prognostic Accuracy of Presepsis and Intra-sepsis Characteristics for Prediction of Cardiovascular Events After a Sepsis Hospitalization. *Critical Care Explorations*, 4(4), e0674. <https://doi.org/10.1097/CCE.0000000000000674>
29. Knox, D. B., Lee, V., Leither, L., & Brown, S. M. (2021). New-Onset Systemic Capillary Leak Syndrome in an Adult Patient with COVID-19. *Case Reports in Critical Care*, 2021, 8098942. <https://doi.org/10.1155/2021/8098942>

30. Knox, D., & Halligan, K. (2021). Case series of trans-thoracic nodule aspirate performed by interventional pulmonologists. *Respiratory Medicine Case Reports*, 32, 101362. <https://doi.org/10.1016/j.rmcr.2021.101362>
31. Knox, D. B., Lanspa, M. J., Brown, S. M., Peltan, I. D., Donohue, M. M., & Puttgen, A. (2020). Decreased Observance of Stroke in the Population Associated With COVID-19 Related Distancing Measures. *The Neurohospitalist*, 1941874420961207. <https://doi.org/10.1177/1941874420961207>
32. Knox, D. B., & Wong, W. W. (2019). Graduating Fellows' Procedural Comfort Level With Pulmonary Critical Care Procedures. *Journal of Bronchology & Interventional Pulmonology*, 26(4), 231–236. <https://doi.org/10.1097/LBR.0000000000000563>
33. Knox, D. B., & Wong, W. W. (2018). Graduating Fellows' Procedural Comfort Level With Pulmonary Critical Care Procedures. *Journal of Bronchology & Interventional Pulmonology*. <https://doi.org/10.1097/LBR.0000000000000563>
34. Knox, D., & Rollins, S. (2018). Repair of Tunneled Pleural Catheter. *Chest*, 153(1), 291–292. <https://doi.org/10.1016/j.chest.2017.10.026>
35. Touray, S., Sood, R. N., Lindstrom, D., Holdorf, J., Ahmad, S., Knox, D. B., & Sosa, A. F. (2018). Risk Stratification in Patients with Complicated Parapneumonic Effusions and Empyema Using the RAPID Score. *Lung*, 196(5), 623–629. <https://doi.org/10.1007/s00408-018-0146-2>
36. Lanspa, M. J., Gutsche, A. R., Wilson, E. L., Olsen, T. D., Hirshberg, E. L., Knox, D. B., Brown, S. M., & Grissom, C. K. (2016). Application of a simplified definition of diastolic function in severe sepsis and septic shock. *Critical Care (London, England)*, 20(1), 243. <https://doi.org/10.1186/s13054-016-1421-3>
37. Knox, D. B., Lanspa, M. J., Kuttler, K. G., Brewer, S. C., & Brown, S. M. (2015). Phenotypic clusters within sepsis-associated multiple organ dysfunction syndrome. *Intensive Care Medicine*, 41(5), 814–822. <https://doi.org/10.1007/s00134-015-3764-7>
38. Sanz, F., Dean, N., Dickerson, J., Jones, B., Knox, D., Fernández-Fabrellas, E., Chiner, E., Briones, M. L., Cervera, Á., Aguar, M. C., & Blanquer, J. (2015). Accuracy of PaO₂ /FiO₂ calculated from SpO₂ for severity assessment in ED patients with pneumonia. *Respirology (Carlton, Vic.)*, 20(5), 813–818. <https://doi.org/10.1111/resp.12560>
39. Walkey, A. J., Pencina, K. M., Knox, D., Kuttler, K. G., D'Agostino, R. B. S., Benjamin, E. J., & Brown, S. M. (2015). Five-Year Risk of Mechanical Ventilation in Community-Dwelling Adults: The Framingham-Intermountain Anticipating Life Support Study. *Journal of the American Geriatrics Society*, 63(10), 2082–2088. <https://doi.org/10.1111/jgs.13673>
40. Knox, D. B., Lanspa, M. J., Pratt, C. M., Kuttler, K. G., Jones, J. P., & Brown, S. M. (2014). Glasgow Coma Scale score dominates the association between admission Sequential Organ Failure Assessment score and 30-day mortality in a mixed intensive care unit population. *Journal of Critical Care*, 29(5), 780–785. <https://doi.org/10.1016/j.jcrc.2014.05.009>
41. Brown, S. M., Tate, Q., Jones, J. P., Knox, D. B., Kuttler, K. G., Lanspa, M., Rondina, M. T., Grissom, C. K., Behera, S., & Mathews, V. J. (2013). Initial fractal exponent of heart rate variability is associated with success of early resuscitation in patients with severe sepsis or septic shock: A prospective cohort study. *Journal of Critical Care*, 28(6), 959–963.
42. Knox, D., Jones, J. P., Kuttler, K. G., Grissom, C. K., & Brown, S. M. (2013). Organ dysfunction in critical illness: Glasgow Coma Score dominates the association between admission SOFA score and 30-day mortality. *Journal of Critical Care*, 28(1), e21–e22.
43. Eisenhut, R. J., Knox, D., & Hermann, G. J. (2005). Characterization of a conserved apoptotic marker expressed in *Caenorhabditis elegans* phagocytic cells. *Biochemical and Biophysical Research Communications*, 335(4), 1231–1238.

Invited Presentations**Regional**

Avalanche and Cold related illness, Emergency Medicine Residency Curriculum, Maine Medical Center, Tufts University Medical School 1/16/19

Local

Acute Decompensated Heart Failure, Pulmonary Critical Care System Meeting, Intermountain Healthcare 8/20/2024

NLP and AI, Pulmonary Critical Care System Meeting, Intermountain Healthcare 1/9/2024

Variation in Sedatives in ARDS, Pulmonary Critical Care System Meeting, Intermountain Healthcare 6/20/23

Hypothermia in ARDS, Pulmonary Critical Care System Meeting, Intermountain Healthcare 5/24/22

Barotrauma in Covid, Pulmonary Critical Care System Meeting, Intermountain Healthcare 3/29/22

Music and Noise in Healthcare, Pulmonary Division Meeting, Intermountain Healthcare 9/21/21

Idiopathic Capillary Leak Syndrome, Pulmonary Division Meeting, Intermountain Healthcare 7/7/20

Updates in Empyema Management, Pulmonary Division Meeting, Intermountain Healthcare 12/17/19

Airway Management, Pulmonary Critical Care Fellows Core Curriculum, UMass Memorial Healthcare 4/3/18

Medical Professional Billing, Pulmonary Critical Care Fellows Core Curriculum, UMass Memorial Healthcare 2/28/18

Airway Clinic, Inter-specialty Grand Rounds, UMass Memorial Healthcare 2/2/18

Interventional Pulmonology Updates, Pulmonary Grand Rounds, UMass Memorial Healthcare 7/19/17

Lung Cancer Staging, Pulmonary Critical Care Fellows Core Curriculum, UMass Memorial Healthcare 4/5/16

Other Presentations, Posters & Abstracts**International**

J Wackerbarth, JR Carr, **D Knox**, A Butler, K Kuttler, P Haug, NC Dean Electronic Decision Support For Pneumonia Is Associated With Reduced Outcome Disparities Chest 2025 2025

Knox D. et.al Birthplace implications of COVID 19 in Utah. European Respiratory Society 2025 Amsterdam 2025

Bittner. S., **Knox D**, Hickman A, Collingridge D, Fontaine G. 1160: Shift And Nursing Variability In Analgosedative Use In Mechanically Ventilated Patients With ARDS. Society of Critical Care Medicine 2025 2025

Kennison, E, **Knox, D**, Murray, N, Fontaine, G. Subarachnoid Hemorrhage Risk Assessment Model to Identify Patients for Early Discharge 2024 NCS 2024

Knox D et al, Relaxing on the SOFA? A simplified approach to standardize research methods European Respiratory Society 2024 Vienna Austria 2024

Bittner, S., **Knox, D.**, Hickman, A., Collingridge, D. and Fontaine, G., 2024. 1002: Analgosedative Comparative Use In Covid Versus Non-Covid-Associated ARDS Pneumonia. Society of Critical Care Medicine, 52(1), p.S473. 2024

- M. Gil R, Krahn Z, Dodson MW, Gre Elliott C, Bledsoe J, Scarpato B, **Knox D** et al. 2023
The Incidence Of Interstitial Lung Abnormalities On Computed Tomography Pulmonary Artery Protocol: A Retrospective Study. CHEST. 2023;164:A3094–5.
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