

Infectious Disease Fellowship Research and Scholarly Activities

2025

Leila S Hojat, Maryrose R Laguio-Vila, Liam R. Sullivan, Valerie M Vaughn We Dissent: Lessons From the 2025 Community-Acquired Pneumonia (CAP) Guidelines. *Clinical Infectious Disease* December 2025

Felix Bratosin, Marlene Garcia, Gordana Simeunovic, Candida parasitosis resistance patterns and associated risk factors, *ID Week* October 2025

Hannah Bray, Felix Bratosin, Kevin FitzGerald Zach Ciochetto, Dylan Fulmer, Incidence of Invasive **G**roup **A** **S**treptococcus Infection in relation to the **COVID-19** Pandemic (**GASCO**) – a pilot study, *ID Week* October 2025

Solomiia Zaremba, Daniele Focosi, Wyatt W Pruter, Massimo Franchini, Diana B Collantes Hoyos, Gordana Simeunovic et al. analysis. *Front. Med*, 16 October 2025, Sec. Infectious Diseases: Pathogenesis and Therapy

Hannah Bray, Tyler VanVelsen, “An Atypical Presentation of Sarcoidosis with simultaneous multi-system involvement” *ACP Michigan*, September 2025

J Schaenman, J Lum, S Arif, A Hardesty, H Hassouna, et al. Frailty in Lung Transplant Candidates Predicts Post-Transplant Outcomes: A Multicenter Study, *American Journal of Transplantation*, August 2025

Danielle deMontigny Avila, Brooke Rabe, Arunmozhi Aravagiri, Martin Joseph, James Ray M. Lim, et al. The Effect of Using a Standardized Questionnaire on Sexual History Documentation and Testing to Diagnose Gonorrhea and Chlamydia Among Men Who Have Sex With Men With Human Immunodeficiency Virus. *Sexually Transmitted Diseases* May 2025

Alexa Marquez, Megan McNitt-Johnson, Jose Morillas, Lisa Thiel, Marcos Cordoba, et al. A Minimally Invasive Alternative: Percutaneous Mechanical Aspiration for Cardiac Vegetations in Pregnant Patients with Infective Endocarditis - A Case Report, *Grand Rapids Research Day* May 2025

Kevin FitzGerald, Jose Morillas, Prophylactic Antibiotics in a Penetrating Traumatic Brain Injury, *Grand Rapids Research Day* May 2025

Marlene Garcia, Jorgelina de Sanctis, Gordana Simeunovic, Bartonella Endocarditis Complicated by Anterior Cerebral Artery Mycotic Aneurysm, *Grand Rapids Research Day* May 2025

Ajith Thomas, Jorgelina De Sanctis, Beware of Feeding Chickens: A Case of Salmonella Endocarditis, *Grand Rapids Research Day* May 2025

Jacob Stremers, Hannah Bray, Adam Caulfield, Robert Fulmer, Zachary Ciochetto, Gordana Simeunovic, Incidence of Invasive Group A Streptococcus Infection in Relation to the COVID-19 Pandemic (GASCO) - A Pilot Study, Grand Rapids Research Day May 2025

Ryan Crane, Kyle Rau, Jose Morillas, Fergus Peacock, Acute Toxoplasmosis Pneumonia in a Renal Transplant Recipient, Society of Hospital Medicine Conference, April 2025

James Polega, Mudita Bhugra, Derek Vanderhorst, Jorgie de Sanctis, A Chang, Habiba Hassouna, “Real-World Use of Dalbavancin in a United States Tertiary Referral Center” Cureus March 2025

Shardul N Rathod, Rachel T Weber, Asra A Salim, Sajal D Tanna, Valentina Stosor, Janna Williams et al. Mycobacteroides abscessus Outbreak and Mitigation in a Cardiothoracic Transplant Population: The Problem with Tap Water. The Journal of Hospital Infection, January 2025

2024

Bray H., Stremers J., Caulfield A., Fulmer D., Ciochetto Z., Simeunovic G. “Incidence of Invasive Group A Streptococcus Infection in relation to the COVID-19 Pandemic (GASCO) – a pilot study”. ID Week 2024 by IDSA. Los Angeles, CA. October 2024.

FitzGerald K., Emery R., Brooks H., Polega J., Donkin J., Morillas J., Simeunovic G. “SEAL - Serology-based Assessment of Evusheld in Lung Transplant Recipients”. ID Week 2024. Los Angeles, CA. October 2024.

Sandeep Buddharaju, Samridhi Gulati, Naomi Cret, Sara Akbar, Kevin E. Fitzgerald, et al. Methemoglobinemia Revisited: A Case of Chronic Tylenol Ingestion Leading to Methemoglobinemia, CHEST October 2024

Prokop JW, Alberta S, Witteveen-Lane M, Pell S, Farag HA, Bhargava D, Vaughan RM, Frisch A, Bauss J, Bhatti H, Arora S, Subrahmanya C, Pearson D, Goodyke A, Westgate M, Cook T, Mitchell J, Zieba J, Sims M, Underwood A, Hassouna H, Rajasekaran S, “SARS-CoV-2 Genotyping Highlights the Challenges in Spike Protein Drift Independent of Other Essential Proteins” Microorganisms. September 2024; 12(9):1863

Yasmin M, Tfaily MA, Wazzi Mkahal R, Obeid R, Emery RP, Hassouna H, Bhugra M, Bonomo RA, Kanafani ZA. Determinants of COVID-19 Vaccine Hesitancy: A Cross-Sectional Study in Three Communities in the United States and Lebanon. Microorganisms. June 2024

Baker, J, Emery, R, Polega, J, Donkin, J, Hight, A, Carmody, M, Bora, N, Kuhl, N, DeSanctis, J. "Efficacy of emergency department-based HIV screening in regions of low HIV prevalence" Grand Rapids Research Day. May 2024

Baker J., Simeunovic G. “Rare case of cryptococcal meningitis in immunocompetent patient”. Oral presentation. Research Day. Grand rapids, MI. May 2024

Emery, R, Polega, J, Brooks, H, Donkin, J, Fitzgerald, K, Simeunovic, G “ENDURANCE - Effectiveness of Evusheld for COVID-19 Pre-exposure Prophylaxis in Immunocompromised Patients – Poster presentation, Michigan Infectious Diseases Society Annual Spring Scientific Conference. March 2024

Ali Nasir, Andrew Jameson. HIV-associated nemaline myopathy manifesting as bent spine syndrome. *BMJ Case Reports*. 2024-03-12. <https://doi.org/10.1136/bcr-2023-258988>

Gentile S, Sullivan LR, Brooks H, Simeunovic G. "A Descriptive, Retrospective Analysis of COVID-19 Passive Antibody Therapy and Its Effects on Morbidity and Mortality in Patients Receiving B-Cell- Depleting Therapies". *Diseases*. 2024 Feb 6;12(2):33. doi: 10.3390/diseases12020033. PMID: 38391780; PMCID: PMC10887790.

Haley Boekrckel, Lacy Worden, Lisa Salvati, Andrew Jameson, Lisa Dumkow. Impact of altered mental status on antibiotic prescribing and outcomes in patients presenting with pyuria. *Journal of the American Pharmacists Association*. Feb 2024 <https://doi.org/10.1016/j.japh.2024.102043>

Jennifer Langholz, Christine Olee, Andrew Jameson, Jackeline Iseler. Many Hands, Light Work: A Partnership Approach to Reducing *Clostridioides difficile* Burden on an Oncology Unit. *American Journal of Infection Control*. Feb 7, 2024, <https://doi.org/10.1016/j.ajic.2024.02.002>

Luther, VP, Paras, ML, Schultz, S, Aziz, M, Balba, G, McCarthy TP, Razonable, RR, Reece R, Shnekendorf, R, Sundareshan, V, Chirch, LM de Sanctis, J (IDSA ID training program directors Committee Working Group), "High Volume, High Acuity, and High Impact Learning: Tips and Tricks for Infectious Diseases Training Programs" *Open Forum Infectious Diseases*, January 2024

Shardul N Rathod, Rachel T Weber, Asra A Salim, Sajal D Tanna, Valentina Stosor, Janna Williams et al. *Mycobacteroides abscessus* Outbreak and Mitigation in a Cardiothoracic Transplant Population: The Problem with Tap Water. *The Journal of Hospital Infection*, January 2025

2023

Kelly, L Amanda, Ophoff B., Saev S., Simeunovic G. "The Cost of Swine Dining: *S. Suis* as a Cause of Meningitis, Permanent Hearing Loss, Idiopathic Thrombocytopenia and Multilevel Spinal Facet Septic Arthritis." *J Clin Case Rep* 13 (2023): 1578

Gentile S, Sullivan L, Brooks H, Simeunovic G. "A Descriptive, Retrospective Analysis of COVID-19 Antibody Therapy and its Effects on Mortality and Morbidity in Patients Receiving B-cell Depleting Therapies", *IDSAWeek 2023*

Geyer A, Dumkow LE, VanLangen K, Jameson A. Outcomes of High-dose Oral Beta-lactam Step-down Therapy Compared to Alternative Oral Therapy for Bacteremic Urinary Tract Infections. *ID Week 2023*

Yetsko A, Eid K, Draper H, Jameson A, Dumkow LE. Two Times versus Four Times Daily Cephalexin Dosing for the Treatment of Uncomplicated Urinary Tract Infection in Females. *ID Week 2023*

Falk C, Dumkow LE, Geyer A, Egwuatu N, Langholz J, Schmidt K, Jameson A. Impact of Emergency Department Rapid Viral Respiratory Multiplex PCR Testing on Antimicrobial Prescribing. *ID Week 2023*

Boerckel H, Dumkow LE, Worden L, Salvata L, Jameson A. Impact of Altered Mental Status on Antibiotic Prescribing in Patients with Pyuria. *ID Week 2023*

Nasir AZ, Jameson A. HIV-associated Nemaline Myopathy Manifesting as Bent Spine Syndrome. Congress of Clinical Rheumatology (CCR) San Diego, CA, USA. 2023 Sept 8

Strasel M, VanLangen KM, Benzer J, Geyer A, Jameson AP, Dumkow LE. “HPV vaccination rates following a pharmacist-led intervention in 9-and-10-year-olds.” ACCP Virtual Poster Symposium May 2023

Baker J, “Lung, Brains and Eye...but why?”. Michigan Infectious Diseases Society Annual Fellows’ Clinical Meeting. April 2023

Sojung P, Farooq M, Camelo-Piragua S, Chanderraj R, Jameson A. Tissue is Still the Issue: A Unique Case of CNS Mycobacterium Avium Complex and Biopsy-Proven Large B-Cell Lymphoma. American Academy of Neurology Annual Scientific Conference Boston, April 2023

Emery R, Jameson A, Petroelje B, Simeunovic G. “Peritoneal Mycobacterium Tuberculosis”, Corewell Health Research Day, April 2023

Baker J, Khalife A, Bhugra M. “Bartonella Endocarditis presenting with proliferative Glomerulonephritis and ANCA/PR3 antibody positivity” Corewell Health Research Day, April 2023

FitzGerald K, Donkin J, Simeunovic G. “Cryptococcal Meningoencephalitis in an Immunocompetent Patient”, Corewell Health Research Day, April 2023

2022

Nguyen, Chau, Lampen, R, Grooms, A, Polega, J, Donkin, J, Bhugra, M. “Impact of an inclusive COVID-19 visitation policy on patient satisfaction and visitor safety”, American Journal of Infection Control, December 2022

Polega J., Simeunovic G. “*Better Safe than Sorry: Campylobacter Fetus Bacteremia and Prosthetic Valve Endocarditis*”. The 16th International Symposium of Cardiovascular Infectious Diseases (ISCVID). Barcelona, Spain. June 2022

de Sanctis J, Morillas, J, Loyaga-Rendon, R, Hassouna H. “*Persistent Paevovirus B-19 Infection in an Adult Heart Transplant*”. ISCVID Barcelona, Spain. June 2022

Polega, J, de Sanctis, J, Petroelje, B. “*Prosthetic valve endocarditis, aortic root abscess, and infected vascular graft due to Neisseria elongate*”. Poster presentation. International Society of Cardiovascular Infectious Diseases. Barcelona, Spain. June 2022

Dumic, I.; Jevtic, D.; Veselinovic, M.; Nordstrom, C.W.; Jovanovic, M.; Mogulla, V.; Veselinovic, E.M.; Hudson, A.; Simeunovic, G.; Petcu, E.; Ramanan, P. “*Human Granulocytic Anaplasmosis—A Systematic Review of Published Cases.*” *Microorganisms* 2022, 10, 1433.

Donkin, J., Simeunovic G., “*Did we do that? A case of Trimethoprim-Sulfamethoxazole induced liver injury*”. ACP meeting – Michigan Chapter. Dearborn, MI. May 2022

Hubbard, M., Watts, S., Simeunovic G. “*Capnocytophaga canimorsus bacteremia with meningitis, thrombocytopenia, and hepatitis in an immunocompetent patient*”. ACP meeting – Michigan Chapter. Dearborn, MI. May 2022

Donkin, J., Choi P., Holsworth, A., Hartog, N., Simeunovic, G. “*No one is safe: Histoplasmosis and secondary HLH in two immunocompetent patients*”. Research Day. Grand Rapids, MI. April 2022

Toor S., Polega J., Haggerty D., Andersen N, Simeunovic G. “*Retrospective Analysis of Vaccinated and Unvaccinated Monoclonal Antibody Patients and their Emergent Needs (RAVEN) and Hospital Utilization*”. Research Day. Grand Rapids, MI. April 2022

Hubbard, M., Polega J., Haggeri D., Andersen N., Simeunovic G. “*Relationship Between the Duration of Symptoms Before and COVID-19 Disease Outcome After Monoclonal Antibody Therapy*”. Research Day. Grand Rapids, MI. April 2022

Polega J., Simeunovic G. “*Clostridium baratii cellulitis and tenosynovitis following cat bite*”. Research day. Grand Rapids, MI. April 2022

Simeunovic G., Andersen N., Jevtic Dj., Dutkiewicz A., Haggerty D., Meinke J. “*Community Response Department Celebrates its First Birthday – Novel Treatments Require Novel Approaches*”, Across the Spectrum: Interprofessional Journal of Clinical Practice and Scholarship, January 2022

2021

Simeunovic, G. “A Study to Evaluate Efficacy and Safety of Casirivimab+ Imdevimab (Monoclonal Antibodies) for Prevention of COVID-19 in Immunocompromised Adolescents and Adults”. Regeneron. Role: Site PI. November 2021- December 2021

Yasmin M, Tfaily M, Emery R., Hassouna H, Obeid R, Bhugra M, Bonomo R, Kanafani Z. “Determinants of COVID-19 vaccine hesitancy: a cross-sectional study in 3 communities in the United States and Lebanon”, InOpen Forum Infectious Diseases 2021 (Vol. 8, No. Suppl 1, p. S389–S390). Oxford University Press. <https://doi.org/10.1093/ofid/ofab466.774>

Donkin J, Polega J Bhugra M, de Sanctis J, Hassouna H. “Initial impression of Explify Respiratory testing Is it effective Diagnostic Tool”. ID Week. Virtual presentation, October 2021

Moorthy V, Bhugra M, Behenna C, Veerasamy M, Harrison M, Sullivan L, Lampen R, Hassouna H, de Sanctis J. Implementation of COVID-19 Provider Resource Task Force: A provider support initiative during emergency preparedness in a quaternary-care center in western Michigan. Infect Control Hosp Epidemiology 2021 Oct; 42(10):1292-1294

VerLee K, Nguyen C, Lampen R, Codman J, Peters T. “Outbreak of Pseudomonas aeruginosa Bacteremia Infections among Stem-Cell Transplant Patients Related to Change in Prophylaxis”. Antimicrobial Stewardship & Healthcare Epidemiology / Volume 1 / Issue S1 / July 2021.

Published online by Cambridge University Press: 29 July 2021, pp. s25-s26

VerLee K, Codman J, Lampen R, Nguyen C, Peters T, Kruse G, VanderHorst D, Marcinek D, Kane- Carbone M. "A Cluster of Aspergillosis Associated with SARS-CoV-2." *Antimicrobial Stewardship & Healthcare Epidemiology* / Volume 1 / Issue S1 / July 2021. Published online by Cambridge University Press: 29 July 2021, p. s10

Lampen, R, "Outbreak of Pseudomonas aeruginosa Bacteremia Infections among Stem Cell Transplant Patients Related to Change in Prophylaxis". Oral Abstracts- Outbreaks: Investigate, Control, and Prevent. Society for Healthcare Epidemiology of America Annual Meeting. April 2021.

Khalil Choucair, Jack El Sawda, Sarah Assaad, Nadim G El Chakhtoura, Habiba Hassouna, Nisreen Sidani, Mohamad Yasmin, Ali Rteil, Souha S Kanj, Zeina A Kanafani, "*Knowledge, Perception, Attitudes and Behavior on Influenza Immunization and the Determinants of Vaccination*", *J Epidemiol Global Health*, Mar 2021

2020

Simeunovic G., Lampen R., Moorthy V., Behenna C. "*Cat got your wire: Bartonella Infected ICD Leads*", *International Journal of Infectious Diseases*, Volume 101, Supplement 1, 542, December 01, 2020, <https://doi.org/10.1016/j.ijid.2020.09.1407>

Simeunovic, G. "*Monoclonal Antibodies Use for COVID-19 treatment under EUA*". Role: Site PI. November 2020 – present.

Van de Ridder JMM, de Sanctis JT, Mookerjee AL, Rajput V. "*Micromanagement creates a Nonconductive learning Environment for a teaching team.*" *J Grad med Educ* 2020 Oct;12(5):639-640

Moorthy V, Behenna C, Verasammy M, Hassouna H, Simeunovic, G and de Sanctis J. "*New fever and Consolidation in a person with COVID-19*". ID week Fellows Day Work up Virtual Meeting October 2020
Behenna C., Kelly A., Moorthy V., Simeunovic G. "*The Cost of Swine Dinning: A Case of Human Streptococcus Suis*". ID week October 2020. Virtual meeting. October 2020

Simeunovic G., Lampen R., Moorthy V., Behenna C. "*Cat got your wire: Bartonella Infected ICD Leads*". 19th International Congress on Infectious Diseases. Kuala Lumpur. Malaysia. September 2020

Clark L, Beuschel T, Buss P, Jameson A, Dumkow L. "*Comparison of Procalcitonin testing to a targeted audit-and-feedback strategy on prescribed durations of therapy for community-acquired pneumonia.*" *Diagnostic Microbiology & Infectious Disease*. 4 September 2020, 115202

Simeunovic, G, "*Safety, Tolerability, and Efficacy of Anti-Spike (S) SARS-CoV-2 Monoclonal Antibodies for the Treatment of Hospitalized Adult Patients With COVID-19*". Regeneron Pharmaceuticals. Role: Site PI. September 2020 – March 2021

Simeunovic, G, "1OT2HL156812 NIH. *Clinical Trial of COVID-19 Convalescent Plasma in Outpatients (C3PO)*." Role: Site Co-investigator. September 2020 – May 2021

Simeunovic, G. “A Phase 2/3 Open-label, Controlled Study to Evaluate the Safety, Tolerability, Efficacy and PK of Remdesivir in Participants from Birth to <18 years of age with COVID-19 Compared to Standard of Care Treatment or Other Experimental Treatments”. Gilead Sciences, Inc. Role: Site Co-investigator. September 2020 – present

Simeunovic, G. “Convalescent Plasma Use for inpatient COVID-19 treatment under EUA”. Role: Site PI. August 2020 – present

Simeunovic, G “Remdesivir Use for COVID-19 treatment under EUA by FDA”. PI. May 2020 – October 2020

Kim B, Jameson A, Spoolstra M. Revenge of the Boar: “A rare case of *Brucella Suis* Bacteremia”. ACP National Internal Medicine Meeting May 2020

Jameson A, Biersack M, Sebastian T, Jacques L. “SARS-CoV-2 screening of asymptomatic healthcare workers.” Infection Control and Hospital Epidemiology 2020 July 23:1-2

Simeunovic, G. “Use of convalescent plasma for treatment of hospitalized COVID-19 patients under The Mayo Clinic Expanded Access protocol.” Funded by Spectrum Health/ Michigan State University. Role: Site PI. April 2020 – August 2020

Siddiqi, R., Jameson, A., Greenberg, J. & Passinault, J. “A Rare Case of Vascular Graft Infection with Isoniazid-Resistant *Mycobacterium bovis* after Intravesical Bacille Calmette- Guerin Immunotherapy for Bladder Cancer”. American College of Physicians National Meeting, Los Angeles, CA March 2020

Polega J., Simeunovic G. “Better Safe than Sorry: *Campylobacter Fetus* Bacteremia and Prosthetic Valve Endocarditis”. Research day. Grand Rapids. MI. March 2020

K. Julian, T. Crook, E. Curley, A. Appenheimer, C, Paules, B. Hasse, D Diekema, C. Daley, J. de Sanctis, W. Hellinger, A. Levin, G. McSherry, C. Freer, C. Whitener. “Long -Term follow up of post-cardiac surgery *Mycobacterium Chimaera* Infections: a 5-center case series.” J Infect. 2020 Feb;80(2):197-203

2019

Moorthy V, Veerasamy M, Lampen R, de Sanctis J “*Mycobacterium Chimaera* Infection After Cardiac Surgery”. – Michigan ACP October 2019

Moorthy V, Veerasamy M, de Sanctis J. “Long Term Mechanical Circulatory Support Device and Disseminated Histoplasmosis – A Case Series”. International Society of Heart and Lung Transplant Conference, Orlando, April 2019

Vanlangen K, Baker J, Drobish I, Havlichek D, Dumkow L, Axford K, Jameson A. “Evaluation of a Multi-Faceted Approach to Antimicrobial Stewardship Education Methods for Medical Residents.” Infection Control & Hospital Epidemiology (2019), 40, 1236–1241