

**INFECTIOUS DISEASES FELLOWSHIP**  
**Henry Ford Health System, Detroit Michigan**

**ABSTRACTS & PUBLICATIONS**

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Bacterial infections  
Fungal Infections  
Viral infections  
HIV Medicine  
Transplant  
Sexually Transmitted Infections  
COVID-19  
Antimicrobial Stewardship  
Infection Control  
Global Health  
Quality Improvement

**2025 – PUBLICATIONS**

**a) Bacterial Infections**

- 1) Dorff EM, **Crooker K**, Teng T, Hickey T, HoddWells M, Sarathy A, Muniz S, Lor J, Chang A, Singh D, Dejace J, Riser E, Tompkins BJ, and Hale AJ. Clinical Characteristics and Outcomes of Patients with Cirrhosis Who Develop Infective Endocarditis. Infect Dis Rep 2025; 17(2). PMID: 40277964.

**b) Transplant**

- 2) **Hanna Z**, Birk N, Jarrah J, Parraga T, Williams J, McCorquodale J, Ordaya EE, Abreu-Lanfranco O, del Busto R, Ramesh M, and Alangaden G. Improving Vaccination Rates in Adult Solid Organ Transplant Candidates: Impact of an Infectious Diseases Pretransplant Clinic. Transpl Infect Dis 2025;e70059. Epub ahead of print. PMID: 40590848.

**c) Infection Control**

- 3) Mussina L, Khoury F, **Araujo D**, Yadlapalli M, Pezzone M, and Yassin M. Helicobacter pylori real-time quantitative PCR to examine efficacy of endoscope processing. Am J Infect Control 2025;53(10):1076-1079. PMID: 40618895.

**d) Global Health**

- 4) Mroweh M, Hergelian L, Serrieh B, Youssef A, Santana-Garces M, **Crooker K**, Zervos M, Kilgore P, and Melhem NM. Wastewater surveillance of rotavirus, norovirus, and hepatitis a virus in

the Middle East and North Africa Region: a systematic review. BMC Public Health 2025;Epub ahead of print. PMID: 41462189.

**e) Miscellaneous**

- 5) Mahmood N, **Pinheiro Alves A**, and Melgar TA. Erythema Ab Igne: Toasted Skin Syndrome as a Cutaneous Marker of Chronic Pain. Cureus 2025;17(6):e86243. PMID: 40688945.

**2025 – PUBLISHED ABSTRACTS**

**a) Bacterial Infections**

- 1) **Cardenas-Maldonado DDD**, Chevalier T, Herc E, Lanfranco OA, and Suleyman G. Unveiling Tuberculosis: A Perspective on Active vs. Subclinical Pulmonary Tuberculosis. Open Forum Infect Dis 2025; 12:S556.
- 2) **Jagannathan M**, Jordan T, Kinsey D, Kenney RM, Veve M, Shallal A, and Suleyman G. A Comparative Analysis of Clindamycin versus Linezolid as Adjunctive Anti-toxin Therapy for Invasive Group A Streptococcal Infections. Open Forum Infect Dis 2025; 12:S1028-S1029
- 3) Jordan T, **Jagannathan M**, Kinsey D, Kenney RM, Veve M, Suleyman G, and Shallal A. Analyzing Trends and Outcomes of Clindamycin Resistant Invasive Group A Streptococci Infections. Open Forum Infect Dis 2025; 12:S937-S938.
- 4) Kaur J, **Jagannathan M**, Jordan T, Kinsey D, Truppiano M, Shallal A, and Suleyman G. Genomic surveillance of invasive Streptococcus pyogenes in Metropolitan Detroit. Open Forum Infect Dis 2025; 12:S1094.

**b) Viral Infections**

- 5) **Mann Y**, Ishak A, Ogbenna UK, Kasmikha L, Cherabuddi MR, Joyce K, Harris C, Numi M, Santana- Garcés M, Rehman NK, Bryce R, Joshi S, and Zervos M. Influenza Vaccine Amongst Persons Experiencing Homelessness: Evaluating Attitudes, Barriers, and Trust. Open Forum Infect Dis 2025; 12:S898-S899.
- 6) **Mann Y**, Numi M, Edwards RA, Lai J, Joshi S, Patel P, Blankenship HM, Soehnlén MK, Zervos M, Mossing M, and Rehman NK. B.1.617.2 Outbreak Mitigation on an International Steel Cargo Ship Utilizing a Multidisciplinary Approach. Open Forum Infect Dis 2025; 12:S1164.
- 7) **Mann Y**, Ogbenna UK, Ishak A, Kasmikha L, Numi M, Iyer H, Rehman S, Kadouh A, Mangal R, Qasawa A, Dehghani A, Hasso M, Henry J, Santana-Garcés M, Rehman NK, Bryce R, Zervos M, and Joshi S. Utilization of a Point-of-Care Hepatitis C Test to Treat in People Experiencing Homelessness with Street Medicine Outreach. Open Forum Infect Dis 2025; 12:S899.

**c) HIV Medicine**

- 8) **Mann Y**, Hagerman T, Malick A, Rao S, Harris C, Santana-Garcés M, Manteuffel J, Gudipati S, and Brar I. One Small Step for Man, One Giant Leap for Ending the HIV Epidemic. Open Forum Infect Dis 2025; 12:S411-S412.

**d) Transplant**

- 9) **Hanna ZW**, Birk NK, Alangaden GJ, Suleyman G, Kaur J, and Ramesh M. Comparison of Clinical Risk Factors, Outcomes and Molecular Epidemiology of ESBL and non-ESBL Enterobacterales Bacteremia in Solid Organ Transplant Recipients. *Open Forum Infect Dis* 2025; 12:S31-S32.
- 10) Kapur N, Birk NK, Jayaprakash R, Khalil B, Singh R, **Hanna ZW**, Ramesh M, and Alangaden GJ. Infectious Complications Following Lung Transplant for COVID-19 Related Respiratory Failure. *Open Forum Infect Dis* 2025; 12:S1339-S1340.

**e) Sexually Transmitted Infections**

- 11) **Cardenas-Maldonado DDD**, Gudipati S, Santana-Garcés M, Maki G, and Brar I. Congenital Syphilis in Southeast Michigan: A Retrospective Case Series. *Open Forum Infect Dis* 2025; 12:S855.

**f) Antimicrobial Stewardship**

- 12) Kinsey D, **Jagannathan M**, Jordan T, Kenney RM, Veve M, Shallal A, and Suleyman G. Invasive *Streptococcus pyogenes* Infections: Is Anti-toxin Therapy Necessary? *Open Forum Infect Dis* 2025; 12:S582.

**g) Infection Control**

- 13) **Alvi RBR**, Shanahan C, Ruby A, Chami E, Lanfranco OA, and Suleyman G. Review of Post Cesarean Section Surgical Site Infections in a Tertiary Care Hospital. *Open Forum Infect Dis* 2025; 12:S352-S353.
- 14) **Malik A**, Brar S, Shallal A, and Suleyman G. Risk Factors and Clinical Outcomes of Breast Surgery Related Surgical Site Infections in Southeast Michigan. *Open Forum Infect Dis* 2025; 12:S347.
- 15) **Malik A**, Shallal A, Ruby A, Malm J, McLennon J, Shanahan C, Chami E, Alangaden GJ, and Suleyman G. Outcome of *Candida auris* Point Prevalence Survey in a Tertiary Care Hospital in Southeast Michigan. *Open Forum Infect Dis* 2025; 12:S337.

## 2024 – PUBLICATIONS

### a) Bacterial Infections

- 1) Ayau P, Bardossy AC, Sanchez G, Ortiz R, Moreno D, Hartman P, **Rizvi K**, Prentiss TC, Perri MB, Mahan M, Huang V, Reyes K, Zervos MJ. Corrigendum to "Risk Factors for 30-Day Mortality in Patients with Methicillin-Resistant *Staphylococcus aureus* Bloodstream Infections" [International Journal of Infectious Diseases, 61 (2017) 3-6]. Int J Infect Dis. 2024 Jul;144:107093. doi: 10.1016/j.ijid.2024.107093. Epub 2024 May 20. PMID: 38772283.

### b) Viral Infections

- 2) Best JH, Sadeghi M, Sun X, Seetasith A, Albensi L, **Joshi S**, and Zervos MJ. Household Influenza Transmission and Healthcare Resource Utilization Among Patients Treated with Baloxavir vs Oseltamivir: A United States Outpatient Prospective Survey. Infect Dis Ther 2024; 13(4):685-697.. PMID: 38483775.

### c) Quality Improvement

- 3) Cuenca J, Moscoso B, **Cardenas D**, Schettino M, Gonzalez-Mosquera D, Tobar P, Gonzalez-Mosquera L, and Nates J. Healthcare-Associated Infections in Patients with Hematologic Malignancies: A Nationwide Analysis. Crit Care Med 2024; 52.

### d) COVID-19

- 4) **Joshi S**, Arshad S, Lindsay A, Heinonen J, Misikir H, Zervos J, Prentiss T, Verkler J, Numi M, Czander B, David RE, Mossing M, Kilgore PE, Rehman N, Zervos M. Control of SARS-CoV-2 infection in skilled nursing facilities in Detroit, Michigan: a model for emerging infectious diseases. Infect Control Hosp Epidemiol 2024; 1-3. Epub ahead of print.

## 2024 – ABSTRACTS

### a) Bacterial Infections

- 5) **Jagannathan M**, Jordan T, Kinsey D, Kenney RM, Veve MP, Suleyman G, Shallal A. Characteristics, treatment, and outcomes of invasive Group A Streptococcal infections. Poster accepted at: SHEA 2024; Houston, TX; Apr 15-19, 2024.
- 6) **Cardenas-Maldonado D**, Gudipati S, Santana-Garces M, Maki G, Brar I. Congenital Syphilis in Southeast Michigan: A Retrospective Case Series. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 7) **Cardenas-Maldonado D**, Herc E, Abreu-Lanfranco O, Suleyman G. Unveiling Tuberculosis: A Perspective on Active vs. Subclinical Pulmonary Tuberculosis. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 8) **Jagannathan M**, Jordan T, Kinsey D, Kenney R, Veve MP, Shallal A, Suleyman G. A Comparative Analysis of Clindamycin versus Linezolid as Adjunctive Anti-toxin Therapy for Invasive Group A Streptococcal Infections. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 9) Jordan T, **Jagannathan M**, Kinsey D, Kenney RM, Veve MP, Suleyman G, Shallal AB. Analyzing trends and outcomes of clindamycin resistant invasive Group A *Streptococcal* infections. Poster presented at: ID WEEK 2024; Los Angeles, CA; Oct 16-19, 2024.

- 10) Kaur J, **Jagannathan M**, Jordan T, Kinsey D, Truppiano M, Shallal AB, Suleyman G. Genomic surveillance of invasive *Streptococcus pyogenes* in metropolitan Detroit. Poster presented at: ID WEEK 2024; Los Angeles, CA; Oct 16-19, 2024.
- 11) Kinsey D, **Jagannathan M**, Jordan T, Kenney RM, Veve MP, Shallal AB, Suleyman G. Invasive *Streptococcus pyogenes* infections: is anti-toxin therapy necessary? Poster presented at: ID WEEK 2024; Los Angeles, CA; Oct 16-19, 2024.

#### b) **Fungal Infections**

- 12) **Birk N**, Soman S, Kapur N, Pochhareddy V, Dillon W, Samuel L, Veve M, Alangaden G, Ramesh, M. Candidemia: Role of T2Candida® compared to Bact/Alert Virtuo blood culture system in a real-world setting. (Oral presentation). Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.
- 13) **Malik A**, Shallal A, Alangaden G, Suleyman G. Risk Factors and Outcomes of *Candida auris* in Southeast Michigan. Poster accepted at: SHEA 2024; Houston, TX; Apr 15-19, 2024.
- 14) **Malik A**, Shallal A, Ruby A, Plemmons J, McLenon J, Shanahan C, Chami E, Alangaden G, Suleyman G. Outcome of *Candida auris* Point Prevalence Survey in a Tertiary Care Hospital in Southeast Michigan. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.

#### c) **HIV Medicine**

- 15) Hagerman T, **Mann Y**, Gudipati S, Bender D, Brar I, Manteuffel J. Description of an Emergency Department Opt-Out HIV Screening Program. (Oral presentation). Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.
- 16) **Mann Y**, Hagerman T, Malick A, Rao S, Harris C, Santana-Garcés M, Manteuffel J, Gudipati S, Brar I. One Small Step for Man, One Giant Leap for Ending the HIV Epidemic. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.

#### d) **Transplant**

- 17) **Birk NK**, Kapur N, Jayaprakash R, Khalil B, Singh R, Hanna Z, Ramesh M, Alangaden G. Infectious Complications Following Lung Transplant for COVID-19 Related Respiratory Failure. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 18) **Hanna Z**, **Birk N**, Ramesh M, Suleyman G, Alangaden G. Comparison of Clinical Risk Factors, Outcomes and Molecular Epidemiology of ESBL and non-ESBL Enterobacterales Bacteremia in Solid Organ Transplant Recipients. Oral presentation at: ID WEEK 2024; Los Angeles, CA; Oct 16-19, 2024.
- 19) Kapur N, **Birk NK**, Jayaprakash R, Khalil B, Singh R, **Hanna ZW**, Ramesh M, Alangaden GJ. Infectious Complications Following Lung Transplant for COVID-19 Related Respiratory Failure. Poster presented at: ID WEEK 2024; Los Angeles, CA; Oct 16-19, 2024.

#### e) **Antimicrobial Stewardship**

- 20) **Cardenas-Maldonado D**, Kenney R, Ramesh M, Suleyman G. Use of Cefiderocol in Multi-Drug-Resistance Gram Negative Infections. Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.

f) **Quality Improvement**

- 21) **Alvi R, Joshi S**, Shanahan C, Ruby A, Chami E, Suleyman G. Clinical Characteristics and Outcomes in Patients with Healthcare Facility-onset *Clostridioides difficile* Infections. Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.
- 22) **Mann Y**, Meranda M, Tamr A, Raslan S, Veve M, Dillon W, Alangaden G, Shaqwana J, Shallal A. Evaluation of guideline adherence for vancomycin in high-risk febrile neutropenia. Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.
- 23) **Alvi R**, Shanahan C, Ruby A, Chami E, Abreu Lanfranco O, Suleyman G. Review of Post Cesarean Section Surgical Site Infections in a Tertiary Care Hospital. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 24) **Malik A**, Shallal A, Alangaden G, Suleyman G. Risk Factors and Clinical Outcomes of Breast Surgery Related Surgical Site Infections in Southeast Michigan. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 25) **Mann Y**, Ishak A, Ogbenna UIK, Kasmikha L, Cherabuddi M, Joyce K, Harris C, Numi M, Santana-Garcés M, Rehman NK, Bryce R, Joshi S, Zervos M. Influenza Vaccine Amongst Persons Experiencing Homelessness: Evaluating Attitudes, Barriers, and Trust. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.
- 26) **Mann Y**, Ogbenna UK, Ishak A, Kasmikha L, Numi M, Iyer H, Rehman S, Kadouh A, Mangal R, Qasawa A, Dehghani A, Hasso M, Henry J, Santana-Garcés M, Rehman NK, Bryce R, Zervos M, **Joshi S**. Utilization of a Point-of-Care Hepatitis C Test to Treat in People Experiencing Homelessness with Street Medicine Outreach. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.

g) **Miscellaneous**

- 27) **Mann Y, Joshi S**, Santana-Garcés M, Ishak A, Ugonna O, Kasmikha L, Cherabuddi M, Joyce K, Harris C, Zervos M. Improving vaccination uptake amongst persons experiencing homelessness. Michigan Infectious Diseases Society (MIDS) Spring Conference, Four Points by Sheraton Detroit Novi, MI, March 16, 2024.
- 28) **Mann Y**, Numi M, Edwards RA, Lai J, **Joshi S**, Patel P, Blankenship HM, Soehnlen MK, Zervos M, Mossing M, Rehman NK. Outbreak Mitigation on an International Steel Cargo Ship Utilizing a Multidisciplinary Approach. Poster accepted at 2024 IDWeek Conference, Los Angeles, CA, Oct 16-20, 2024.

## 2023 – PUBLICATIONS

### a) Bacterial Infections

- 1) Askar SF, Kenney RM, **Tariq Z**, Conner R, Williams J, Ramesh M, Alangaden GJ. Bezlotoxumab for Prevention of Recurrent *Clostridioides difficile* Infection With a Focus on Immunocompromised Patients. J Pharm Pract. 2023 Jun;36(3):584-587. doi: 10.1177/08971900221074929. Epub 2022 Jan 28. PMID: 35090351.
- 2) **Dillon WP**, Nachawati D, Khan N, Samuel L, Alangaden G, Ramesh M. Outcomes of Patients with *Staphylococcus aureus* Bacteremia Detected with the VersaTREK vs Virtuo Blood Culture Systems: A Retrospective Study. Submitted for publication.

### b) COVID-19

- 3) Pokhrel TN, Karki K, Tinkari BS, Upreti SR, Khatiwada SU, Amatya R, Zervos J, Kaljee L, Zenlea K, Prentiss T, Maki G, **Shallal A**, **Joshi S**, Zervos M, Latack K, Pokhrel B, Upreti A, Lal BK, Dahal S, Gautam JS, Singh DR, and Bajracharya DC. COVID-19 vaccination up-take in three districts of Nepal. Hum Vaccin Immunother 2023; 19(1):2166321. PMID: 36691997.

### c) HIV Medicine

- 4) **Birk NK**, **Monday L**, Singh T, Cherabuddi M, Hojeij M, Ho B, Chen A, Brar I, and Alangaden G. Vaccine coverage and factors associated with vaccine adherence in persons with HIV at an urban infectious disease clinic. Hum Vaccin Immunother 2023; Dec 31;19(1):2204785. Epub 2023 Apr 27. PMID: 37106506.
- 5) Gudipati S, **Shallal A**, Peterson E, Cook B, and Markowitz N. Increase in False Positive Fourth Generation HIV Tests in Patients with COVID-19 Disease. Clin Infect Dis 2023; Epub ahead of print. PMID: 37158382.
- 6) Stefan AJ, Herc ES, Gudipati S, Brar I, Vitale A, and **Tariq Z**. Atypical presentation of progressive disseminated histoplasmosis in a patient recently diagnosed with AIDS. Int J Infect Dis 2023; 127:45-47. PMID: 36462572.

### d) Transplant

- 7) **Jarrah J**, Alsaadi A, Putman EM, and Williams J. Polymicrobial bacteremia in a heart transplant recipient: More than what meets the eye. Am J Transplant 2023; 23(6):854-856.

### e) Antimicrobial Stewardship

- 8) **Shallal AB**, Cherabuddi M, Podsiad L, Gortat C, Shanahan C, Holsey T, Samuel L, Alangaden G, and Suleyman G. Role of diagnostic stewardship in reducing healthcare-facility-onset *Clostridioides difficile* infections. Antimicrob Steward Health Epidemiol 2023; 3(1):e53. PMID: 36970430.

## 2023 – ABSTRACTS

### a) Bacterial Infections

- 9) **Shallal A**, Tibbetts R, Vager D, Zervos M, Suleyman G. Genetic Relatedness Among *Neisseria gonorrhoeae* isolates in Southeast Michigan. SHEA Spring 2023 Conference, Seattle, WA, April 11-14, 2023.

- 10) **Shallal A**, Veve M, Kenney R, Alangaden G, Suleyman G. Antimicrobial therapy and outcomes of New Delhi Metallo-B-Lactamase (NDM)-producing *Escherichia coli*: a case series. Poster presented at: ECCMID 2023; Copenhagen, Denmark; April 18, 2023.
- 11) **Failla A**, Suleyman G. Risk Factors and Outcomes Associated with Daptomycin-nonsusceptible Enterococcus Bloodstream Infections. ID Week 2023, Boston, MA, Oct 11-15, 2023.
- 12) **Hanna Z**, Alangaden GJ, Zervos M, Suleyman G. Evaluation of Risk Factors and Outcomes Associated with Daptomycin-nonsusceptible *Staphylococcus aureus* Bacteremia. ID Week 2023, Boston, MA, Oct 11-15, 2023.
- 13) **Joshi S, Alvi R**, Shanahan C, Ruby A, Chami E, Suleyman G. Clinical Characteristics and Outcomes in Patients with Healthcare Facility-Onset *Clostridioides difficile* Infections. ID Week 2023, Boston, MA, Oct 11-15, 2023.

#### b) Fungal Infections

- 14) **Birk N**, Soman S, Kapur N, Pochhareddy V, **Dillon W**, Samuel L, Veve M, Alangaden G, Ramesh M. Candidemia: Role of T2Candida® compared to Bact/Alert Virtuo blood culture system in a real-world setting. ID Week 2023, Boston, MA, Oct 11-15, 2023.

#### c) Viral Infections

- 15) **Alvi R, Mann Y**, Brar S, Brar I, Suleyman G. Characterization of Mpox in Southeast Michigan. ID Week 2023, Boston, MA, Oct 11-15, 2023.
- 16) Best J, Sadeghi M, Sun X, Seetasith A, Albensi L, **Joshi S**, Zervos M. Household Flu Transmission and Healthcare Resource Use among Patients Treated with Baloxavir versus Oseltamivir for Influenza: An Outpatient Prospective Survey in the United States. ID Week 2023, Boston, MA, Oct 11-15, 2023.

#### d) HIV Medicine

- 17) Yared N, Gudipati S, Payne S, **Alvi R, Cherian J**, DiLodovico J, Markowitz N, Brar I. Efficacy of Long-Acting Cabotegravir and Rilpivirine in a Diverse Group of Patients in a Real-World Setting. ID Week 2023, Boston, MA, Oct 11-15, 2023.

#### e) Transplant

- 18) **Birk N, Hanna Z, Jarrah J, Parraga T**, Williams J, McCorquodale J, **Dillon W**, Abreu Lanfranco O, Ramesh M, Alangaden G. Impact of Pre-Transplant Infectious Diseases Clinic Visit on Vaccine Uptake in Solid Organ Transplant Candidates. Ajmera Transplant Conference, Toronto, Canada, August 18-19, 2023.

#### f) Antimicrobial Stewardship

- 19) Bajracharya DC, Basudha Shrestha, Rajesh Dhoj Joshi, Shankar Man Rai, Jamuna Tamrakar Sayami, Kshitij Karki, Rakchya Amatya, Nilesh Joshi, **Seema Joshi, Gina Maki, Anita Shallal**, Yubraj Acharya, Prajwol Nepal, Marcus Zervos, Siddhesh Veer, John Zervos, Kate Zenlea, Tyler Prentiss, Linda Kaljee. Lessons Learned from an Integrated Hospital- and Community-Based Antimicrobial Stewardship Program in Nepal. Poster presented at: Consortium of Universities for Global Health (CUGH) 2023; Washington, DC, April 14-16, 2023.

g) **Quality Improvement**

- 20) Mulugeta S, Brown J, Dudash J, Adepoju R, Gendjar S, Coleman S, Michniak J, **Shallal A**, Zoratti E, Suleyman G. Pharmacist-led, evidence-based beta-lactam allergy clarification in peri-operative patients. Poster presented at: Henry Ford Quality Expo 2023; Detroit, MI; March 22, 2023.
- 21) Parke D, Kenney R, Bogojevich J, El-Khoury C, **Joshi S**, Brar S, MacDonald L, Salib C, MacDonald N, Veve MP, Suleyman G. Barriers to Improving Outcomes among People Experiencing Homelessness and People Who Inject Drugs Hospitalized for Complicated Infections. ID Week 2023, Boston, MA, Oct 11-15, 2023.

h) **Miscellaneous**

- 22) **Failla A**, Zervos M. Infectious Diseases in Patients Experiencing Homelessness in Detroit, MI over a Three-Year Period (2020-2023). ID Week 2023, Boston, MA, Oct 11-15, 2023.

## 2022 – PUBLICATIONS

### a) **Bacterial Infections**

- 1) Askar SF, Kenney RM, **Tariq Z**, Conner R, Williams J, Ramesh M, Alangaden GJ. Bezlotoxumab for Prevention of Recurrent *Clostridioides difficile* Infection With a Focus on Immunocompromised Patients. *J Pharm Pract*. 2022 Jan 28;8971900221074929. doi: 10.1177/08971900221074929.
- 2) Fatmi SS, Basso R, **Goteti R**. Improved Neurological Outcome in a Patient With Complicated Mitral Valve Endocarditis Treated With Daptomycin-Rifampin Regimen. *Cureus*. 2022 Mar 28;14(3):e23566. doi: 10.7759/cureus.23566. PMID: 35494908.

### b) **Fungal Infections**

- 3) Wasylyshyn A, **Maki G**, Linder KA, and Herc ES. Hemophagocytic Lymphohistiocytosis Secondary to Disseminated Histoplasmosis A Report of 3 Cases and Review of the Literature. *Infect Dis Clin Pract* 2022; 30(1).

### c) **COVID-19**

- 4) Anderson EJ, Creech CB, Berthaud V, Piramzadian A, Johnson KA, **Zervos M**, Garner F, Griffin C, Palanpurwala K, Turner M, Gerber J, Bennett RL, Ali K, Ampajwala M, Berman G, Nayak J, Chronis C, Rizzardi B, Muller WJ, Smith CA, Fuchs G, Hsia D, Tomassini JE, DeLucia D, Reuter C, Kuter B, Zhao X, Deng W, Zhou H, Ramirez Schrempp D, Hautzinger K, Girard B, Slobod K, McPhee R, Pajon R, Aunins A, Das R, Miller JM, and Schnyder Ghamloush S. Evaluation of mRNA-1273 Vaccine in Children 6 Months to 5 Years of Age. *N Engl J Med* 2022; Epub ahead of print. PMID: 36260859.
- 5) **Birk NK, Jain S**, Massoud L, Ramesh D, **Monday L**, Muma B, Williams J, Alangaden G, and Ramesh M. Real-world Experience of Sotrovimab in High-risk, Immunocompromised COVID-19 Patients. *Open Forum Infect Dis* 2022; 9(7):ofac282. PMID: 35859992.
- 6) **Joshi S**, Smith Z, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Williams J, Kenney R, Miller J, Alangaden G, and Ramesh M. Low- Versus High-Dose Methylprednisolone in Adult Patients With Coronavirus Disease 2019: Less Is More. *Open Forum Infect Dis* 2022; 9(1):ofab619. PMID: 35024376.
- 7) Kheil MH, Jain D, Jomaa J, Askar B, Alcodray Y, Wahbi S, Brikho S, Kadouh A, Harajli D, Jawad ZN, Fehmi Z, Elhage M, Tawil T, Fehmi O, Alzouhayli SJ, Ujayli D, Suleiman N, Kazziha O, Saleh R, Abada E, **Shallal A**, Kim S, Kumar VA, Zervos M, Cote ML, and Ali-Fehmi R. COVID-19 Vaccine Hesitancy among Arab Americans. *Vaccines (Basel)* 2022; 10(4);<https://doi.org/10.3390/vaccines10040610>. PMID: 35455359.
- 8) **Monday LM**, Brar I, Alangaden G, and Ramesh MS. SARS-CoV-2 neutralizing antibodies for COVID-19: Outcomes for bamlanivimab versus bamlanivimab-etesevimab combination in a racially diverse cohort of patients with significant comorbidities. *J Clin Pharm Ther* 2022; Epub ahead of print. PMID: 35633095.
- 9) **Gudipati S**, Lee M, Scott M, Yaphe S, Huitsing J, Yared N, Brar I, and Markowitz N. The seroprevalence of COVID-19 in patients living with HIV in metropolitan Detroit. *Int J STD AIDS* 2022; 33(6):554-558. PMID: 35333100.

### d) **HIV Medicine**

- 10) Fernandez OE, **Gudipati S**, Ko D, Boucher A, Brar I. Papillomatous Anogenital Lesions in a Patient With Human Immunodeficiency Virus. *Clin Infect Dis* 2022 1 July; 75(1):159-162. PMID: 36008926.

e) **Transplant**

- 11) Greenlee SB, **Acosta TJP**, Makowski CT, Kenney RM, Ramesh M, Williams JD, Alangaden GJ. Bridging the gap: An approach to reporting antimicrobial stewardship metrics specific to solid organ transplant recipients. *Transpl Infect Dis.* 2022 Oct;24(5):e13944. doi: 10.1111/tid.13944.
- 12) Franco-Palacios DJ, Allenspach L, Stagner L, Pinto J, Olexsey K, Sherbin E, **Dillon W**, Sternberg D, Bryce K, Simanovski J, Apostolou D, Tanaka D, Nemeh H, Wang Z, Alangaden G. A center experience with lung transplantation for COVID-19 ARDS. *Respir Med Case Rep.* 2022;36:101597.

f) **Global Health**

- 13) Quirós RE, Bardossy AC, Angeleri P, Zurita J, Aleman Espinoza WR, Carneiro M, Guerra S, Medina J, Castañeda Luquerna X, Guerra A, Vega S, Cuellar Ponce de Leon LE, Munita J, Escobar ED, **Maki G**, Prentiss T, Zervos M; PROA-LATAM Project Group. Antimicrobial stewardship programs in adult intensive care units in Latin America: Implementation, assessments, and impact on outcomes. *Infect Control Hosp Epidemiol.* 2022 Feb;43(2):181-190. PMID: 33829982.
- 14) **Shallal A**, Lahoud C, Merhej D, Youssef S, Verkler J, Kaljee L, Prentiss T, **Joshi S**, Zervos M, and Matar M. The Impact of a Post-Prescription Review and Feedback Antimicrobial Stewardship Program in Lebanon. *Antibiotics (Basel)* 2022; 11(5). PMID: 35625286.
- 15) **Shallal A**, Lahoud C, Zervos M, and Matar M. Antibiotic Stewardship in Disaster Situations: Lessons Learned in Lebanon. *Antibiotics (Basel)* 2022; 11(5). PMID: 35625204.

g) **Quality Improvement**

- 16) **Monday LM**, Sebastian J, Nguyen P, Yazdanpanah O, Solokowski C, Chi J, and Bazy K. A Resident-driven Quality Improvement Project to Increase Primary Care Follow-up after Congestive Heart Failure Exacerbation: Use of a Quality and Safety Award. *Am J Med Qual* 2022; Epub ahead of print. PMID: 34991097.

**2022 – ABSTRACTS**

a) **COVID-19**

- 17) **Shallal A, Gudipati S**, Peterson S, Cook B, Tibbetts R, Markowitz N. Increase in false positive 4<sup>th</sup> generation HIV tests in patients with COVID-19 disease. Conference on Retroviruses and Opportunistic Infections 2022 (Virtual), February 12-16, 2022.
- 18) Reaume M\*, **Shallal A**, Herc E, Debiante L. Initial approach to treatment of COVID-19 infected patients admitted to the intensive care unit at academic centers in the United States. Society of Critical Care Medicine 2022 International Meeting (Virtual), April 18-21, 2022.
- 19) **Goteti R, Monday L**, Makowski C, Weinmann A. The Impact of COVID-19 on Outpatient Intravenous Antimicrobial Therapy (OPAT) at an academic medical center. Michigan Infectious Disease Society (MIDS) Annual Meeting, April 22, 2022.
- 20) **Goteti R, Monday L**, Weinmann A. The Impact of COVID-19 on Outpatient Intravenous Antimicrobial Therapy (OPAT) at an Academic Medical Center. (Poster Presentation). ID Week 2022, Washington, DC, Oct 19-23, 2022.
- 21) **Joshi S**, Mann Y, Petersen A, Small E, Ayyar I, Abadejos J, Venable S, Ilagan R, Ho B, **Shallal A**, Chen A, Zervos M, Bryce R. Providing preventative care during the SARS-CoV-2 pandemic: Street medicine

interventions amongst those experiencing unsheltered homelessness in the City of Detroit. Poster Presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.

b) **HIV Medicine**

- 22) **Birk NK**, Brar I, **Monday L**, Singh T, Cherabuddi M, Hojeij M, Ho B, Chen A, Alangaden G. Evaluation of Vaccination Rates and Factors associated with Vaccine Uptake among People Living with HIV in Detroit, MI Poster Presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.
- 23) **Gudipati S**, Lee M, Huisting J, Brar I, Markowitz N. Utilization of Supplying Smart Phones and Tele-Health Education for Retention of Care in Patients Living with HIV during the COVID-19 Pandemic. 24<sup>th</sup> International AIDS Conference, Montreal, Canada, July 29-August 2, 2022.

c) **STI**

- 24) **Shallal A**, Suleyman G, Gurdziel K, Perri M, Zervos M, Tibbetts R. Molecular characterization of antimicrobial resistance genes in *Neisseria gonorrhoeae* isolates in southeast Michigan. \*Showcased as a 'Rapid Fire' Poster presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.

d) **Antimicrobial Stewardship**

- 25) **Monday L, Joshi S, Goteti R**, Saba J, Weinmann A. Integrating a Lean Six Sigma DMAIC approach to improve transitions of care in patients discharged on outpatient parenteral antimicrobial therapy. Poster presentation. ID Week 2022, Washington, DC, Oct 19-23, 22.
- 26) **Shallal A**, Cherabuddi M, Podsiad L, Gortat C, Shanahan C, Kirkpatrick J, Chami E, Schuldt S, Holsey T, Levesque M, Alangaden G, Suleyman S. Role of diagnostic stewardship in reducing healthcare facility-onset *Clostridiodes difficile* infections. Society for Healthcare Epidemiology of America (SHEA) Spring 2022 National Conference, Colorado Springs, CO, April 12-14, 2022.
- 27) **Monday LM**, Michniak J, Zoratti E, Weinmann A. Penicillin Allergy Reinstatement in a Cohort of Patients previously Delabeled following Formal Allergy Assessment: What Can We Learn? Society for Healthcare Epidemiology of America (SHEA) Spring 2022 National Conference, Colorado Springs, CO, April 12-14, 2022.

e) **Infection Control**

- 28) **Cherian J**, Tibbetts R, Robinson P, Holsey T, Alangaden G, Suleyman G. Role of Urine Culture Hard Stop in Reducing Catheter-associated Urinary Tract Infections. Poster Presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.
- 29) **Shallal A, Tariq Z**, Chen A, Suleyman S. Miliary tuberculosis following contaminated allograft placement in the lumbar spine. Poster Presentation. 32<sup>nd</sup> European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2022, Lisbon, Portugal, April 23-26, 2022.
- 30) **Shallal A**, Tibbetts R, Chami E, Keskimaki A, McNamara S, Gubler J, Chevalier T, Cunningham D, Alangaden G, Suleyman S. Role of molecular epidemiology in identification of a New Delhi metallo-B-lactamase (NDM) producing *Escherichia coli* outbreak. Oral Presentation. 32<sup>nd</sup> European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2022, Lisbon, Portugal, April 23-26, 2022.

f) **Transplant**

31) **Jarrah J, Hanna Z**, William J, McCorquodale J, **Parraga T**, Greenlee S, Abreu Lanfranco O, Del Busto R, Ramesh M, Alangaden G. Impact of pretransplant ID Wellness Visit on Vaccine uptake in solid organ transplant candidates. American Transplant Congress 2022, Boston, June4-8, 2022.

a) **Global Health**

32) **Jarrah J, Shallal A**, Verkler J, **Joshi S**, Sheqwara J, Abdel-Razeq, H, Zervos M. Collaborative model of infectious diseases fellowship training in Jordan: Advancing ID training in the Middle East-North Africa region. COVID19 in the MENA Region: Lessons Learned in Research, Public Health Policy, and Clinical Practice International Conference 2022, Gaziantep, Turkey, May 30-31, 2022.

33) **Shallal A**, Lahoud C, Verkler J, **Joshi S**, Zervos M, Matar M. Physician attitudes toward an antimicrobial stewardship program in Lebanon. (Oral presentation). COVID19 in the MENA Region: Lessons Learned in Research, Public Health Policy, and Clinical Practice International Conference 2022, Gaziantep, Turkey, May 30-31, 2022.

34) **Shallal A**, Verkler J, Lahoud C, Zervos M, Matar M. The impact of a post-prescription antimicrobial stewardship program in Lebanon. 11<sup>th</sup> International Conference on Emerging Infectious Diseases (ICEID) 2022, Atlanta, GA, August 7-10, 2022.

g) **Quality Improvement**

35) **Gudipati S**, Lee M, Huitsing J, Markowitz N, Brar I. Do All Patients Prefer Telehealth Care? Poster Presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.

36) **Birk N**, Saikia K, Ramesh M, Samuel L, Tibbetts R. Universal PCR Testing- Is It Worth It? Poster Presentation. Universal PCR Testing- Is It Worth It? Poster Presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.

37) **Dillon WP**, Nachawati D, Khan N, Samuel L, Alangaden G, Ramesh M. VersaTREK versus Virtuo Blood Culture System's Effect on Diagnostic Test Utilization and Patient Outcomes, a Quasi-Experimental Study. Poster presentation. ID Week 2022, Washington, DC, Oct 19-23, 2022.

## 2021 – PUBLICATIONS

### a) COVID-19

- 1) Heldman MR, Kates OS, Safa K, Kotton CN, Georgia SJ, Steinbrink JM, Alexander BD, Hemmersbach-Miller M, Blumberg EA, Crespo MM, Multani A, Lewis AV, Beard OE, Haydel B, La Hoz RM, Moni L, Condor Y, Flores S, Munoz CG, Guitierrez J, Diaz EI, Diaz D, Vianna R, Guerra G, Loebe M, Rakita RM, Malinis M, Azar MM, Hemmige V, McCort ME, **Chaudhry ZS**, Singh P, Hughes K, Velioglu A, Yabu JM, Morillis JA, Mehta SA, Tanna SD, Ison MG, Tomic R, Derenge AC, van Duin D, Maximin A, Gilbert C, Goldman JD, Sehgal S, Weisshaar D, Girgis RE, Nelson J, Lease ED, Fisher CE, and Limaye AP. Covid-19 in hospitalized lung and non-lung solid organ transplant recipients: a comparative analysis from a multicenter study. *Am J Transplant* 2021; Epub ahead of print. PMID: 34008917.
- 2) Heldman MR, Kates OS, Safa K, Kotton CN, Georgia SJ, Steinbrink JM, Alexander BD, Hemmersbach-Miller M, Blumberg EA, Multani A, Haydel B, La Hoz RM, Moni L, Condor Y, Flores S, Munoz CG, Guitierrez J, Diaz EI, Diaz D, Vianna R, Guerra G, Loebe M, Rakita RM, Malinis M, Azar MM, Hemmige V, McCort ME, **Chaudhry ZS**, Singh PP, Hughes Kramer K, Velioglu A, Yabu JM, Morillis JA, Mehta SA, Tanna SD, Ison MG, Derenge AC, van Duin D, Maximin A, Gilbert C, Goldman JD, Lease ED, Fisher CE, and Limaye AP. Changing Trends in Mortality Among Solid Organ Transplant Recipients Hospitalized for Covid-19 During the Course of the Pandemic. *Am J Transplant* 2021; Epub ahead of print. PMID:34514710.
- 3) Heldman MR, Kates OS, Safa K, Kotton CN, Georgia SJ, Steinbrink JM, Alexander BD, Hemmersbach-Miller M, Blumberg EA, Crespo MM, Multani A, Lewis AV, Beard OE, Haydel B, La Hoz RM, Moni L, Condor Y, Flores S, Munoz CG, Guitierrez J, Diaz EI, Diaz D, Vianna R, Guerra G, Loebe M, Rakita RM, Malinis M, Azar MM, Hemmige V, McCort ME, **Chaudhry ZS**, Singh P, Hughes K, Velioglu A, Yabu JM, Morillis JA, Mehta SA, Tanna SD, Ison MG, Tomic R, Derenge AC, van Duin D, Maximin A, Gilbert C, Goldman JD, Sehgal S, Weisshaar D, Girgis RE, Nelson J, Lease ED, Fisher CE, and Limaye AP. Covid-19 in hospitalized lung and non-lung solid organ transplant recipients: a comparative analysis from a multicenter study. *Am J Transplant* 2021; Epub ahead of print. PMID: 34008917.
- 4) Heldman MR, Kates OS, Haydel BM, Florman SS, Rana MM, **Chaudhry ZS**, Ramesh MS, Safa K, Kotton CN, Blumberg EA, Besharatian BD, Tanna SD, Ison MG, Malinis M, Azar MM, Rakita RM, Morillas JA, Majeed A, Sait AS, Spaggiari M, Hemmige V, Mehta SA, Neumann H, Badami A, Jeng A, Goldman JD, Lala A, Hemmersbach-Miller M, McCort ME, Bajrovic V, Ortiz-Bautista C, Friedman-Moraco R, Sehgal S, Lease ED, Limaye AP, Fisher CE. Healthcare resource use among solid organ transplant recipients hospitalized with COVID-19. *Clin Transplant* 2021 Feb;35(2):e14174. doi: 10.1111/ctr.14174. Epub 2020 Dec 22. PMID: 33349940.
- 5) Heldman MR, Kates OS, Multani A, Steinbrink JM, Lewis AV, Alexander BD, Beard OE, Sehgal S, Mishkin AD, La Hoz RM, Blumberg EA, Nelson J, Safa K, Kotton CN, Hemmersbach-Miller M, **Chaudhry ZS**, Saharia K, Morillas JA, Rakita RM, Sait AS, Meloni F, Wilkens H, Camargo P, Tanna SD, Tomic R, Ison MG, Lease ED, Fisher CE, and Limaye AP. A Multicenter Prospective Registry Study of Lung Transplant Recipients Hospitalized with COVID-19. *J Heart Lung Transplant* 2021; 40(4):S141.
- 6) **Joshi S**, Smith Z, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Williams J, Kenney R, Miller J, Alangaden G, Ramesh M. Low- Versus High-Dose Methylprednisolone in Adult Patients With Coronavirus Disease 2019: Less Is More. *Open Forum Infect Dis.* 2021 Dec 8;9(1):ofab619. PMID: 35024376.
- 7) Kates OS, Haydel BM, Florman SS, Rana MM, **Chaudhry ZS**, Ramesh MS, Safa K, Kotton CN, Blumberg EA, Besharatian BD, Tanna SD, Ison MG, Malinis M, Azar MM, Rakita RM, Morilla JA, Majeed A, Sait AS, Spaggiari M, Hemmige V, Mehta SA, Neumann H, Badami A, Goldman JD, Lala A, Hemmersbach-Miller M, McCort ME, Bajrovic V, Ortiz-Bautista C, Friedman-Moraco R, Sehgal S, Lease ED, Fisher CE, Limaye AP; UW COVID-19 SOT Study Team. Coronavirus Disease 2019 in Solid Organ Transplant: A

- Multicenter Cohort Study. Clin Infect Dis. 2021 Dec 6;73(11):e4090-e4099. doi: 10.1093/cid/ciaa1097. PMID: 32766815.
- 8) Lucien M, Canarie M, Kilgore PE, Jean-Denis G, Fenelon N, Pierre M, Cerpa M, Joseph GA, **Maki G**, Zervos MJ, Dely P, Boncy J, Sati H, del Rio Bueno A, Ramon-Pardo P. Antibiotics and Antimicrobial Resistance in the COVID-19 Era: Perspective from Resource-Limited Settings. Int J Infect Dis 2021 Mar;104:250-254. Epub 2021 Jan 9. PMID: 33434666.
  - 9) **Monday L**, Abu-Heija A, Shatta M, Ilyas S, Bazzy K, Krishnan-Natesan S, Brown P. Characteristics, clinical course, and outcomes of Veterans admitted with Covid-19 in Detroit, Michigan. Infectious Diseases in Clinical Practice. 2021 Nov; 28(6):342-348.
  - 10) Quan D, Luna Wong L, **Shallal A**, Madan R, Hamdan A, Ahdi H, Daneshvar A, Mahajan M, Nasereldin M, Van Harn M, Opara IN, and Zervos M. Impact of Race and Socioeconomic Status on Outcomes in Patients Hospitalized with COVID-19. J Gen Intern Med 2021 May;36(5):1302-1309. doi:10.1007/s11606-020-06527-1. Epub 2021 Jan 27. PMID: 33506402.
  - 11) **Shallal A**, Abada E, Musallam R, Fehmi O, Kaljee L, Fehmi Z, Alzouhayli S, Ujayli D, Dankerlui D, Kim S, Cote ML, Kumar V, Zervos M, Ali-Fehmi R. Evaluation of COVID-19 Vaccine Attitudes Among Arab American Healthcare Professionals Living in the United States. Vaccines (Basel). 2021 Aug 24;9(9):942. doi: 10.3390/vaccines9090942. PMID: 34579179.
  - 12) **Shallal A**, Kenney R, Weinmann A. Missed Vaccine Opportunities for *Streptococcus pneumoniae* and Influenza in Patients Admitted During the Coronavirus Diseases 2019 (COVID-19) Pandemic. Infect Control Hosp Epidemiol. 2021 Nov;42(11):1414-1415. doi: 10.1017/ice.2020.1294. Epub 2020 Oct 26. PMID: 33100230.
  - 13) **Vahia AT, Chaudhry ZS**, Kaljee L, **Parraga-Acosta T, Gudipati S, Maki G, Tariq Z, Shallal A, Nauriyal V**, Williams JD, Suleyman G, Abreu-Lanfranco O, Chen A, Yared N, Herc E, McKinnon JE, Brar I, Bhargava P, Zervos M, Ramesh M, Alangaden G. Rapid Reorganization of an Academic Infectious Diseases Program During the Coronavirus Disease 2019 Pandemic in Detroit: A Novel Unit-based Group Rounding Model. Clin Infect Dis 2021 Mar 15;72(6):1074-1080. doi: 10.1093/cid/ciaa903. PMID: 32604415.
  - 14) Gupta K, **Monday L**, Kaushik M, Alangaden G, Brar I. Risk Factors Associated with 30-Day Mortality in a Large Cohort of Patients who Received Remdesivir and Corticosteroids for Severe COVID-19. Open Forum Infectious Diseases, Volume 8, Issue Supplement\_1, November 2021, Pages S375–S376, <https://doi.org/10.1093/ofid/ofab466.746>.
  - 15) **Joshi S**, Manning A, Bivins J, Arshad S, Agbonze A, Berger AM, Czander B, Gonzalez G, Heinonen JH, Klama K, Lamb LL, Misikir H, Adams A, Anderson M, Morley M, Kilgore PE, Zervos M, Mossing M, Stylianou K, Rehman NK. Sustained Control and Prevention of COVID-19 Outbreaks in Detroit Skilled Nursing Facilities. Open Forum Infectious Diseases, Volume 8, Issue Supplement\_1, November 2021, Pages S312–S313, <https://doi.org/10.1093/ofid/ofab466.625>.
  - 16) **Joshi S**, Smith Z, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Williams J, Kenney R, Alangaden G, Ramesh M. Low versus High Dose Methylprednisolone in Adult Patients with COVID-19: Less is More. Open Forum Infectious Diseases, ofab619, <https://doi.org/10.1093/ofid/ofab619>.
  - 17) **Joshi S**, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Smith ZR, Alangaden GJ, Kenney R, Ramesh M. Moderate Versus High Dose Corticosteroids in Adult Patients with Severe COVID-19: Less Is More. Open Forum Infectious Diseases, Volume 8, Issue Supplement\_1, November 2021, Page S350, <https://doi.org/10.1093/ofid/ofab466.696>.
  - 18) **Monday L**, Alangaden GJ, Brar I, Ramesh M. A Real-World Cohort Study of Bamlanivimab versus Bamlanivimab-Etesevimab for Non-severe COVID-19. Open Forum Infectious Diseases, Volume 8, Issue Supplement\_1, November 2021, Pages S352–S353, <https://doi.org/10.1093/ofid/ofab466.699>.
  - 19) **Shallal A**, Abada E, Musallam R, Fehmi O, Kaljee L, Fehmi Z, Alxouhayli S, Ujayli D, Dankerlui D, Kim S,

- Kumar VA, Zervos M, Ali R. Reasons for Deferral of COVID-19 Vaccines Among Arab American Healthcare Professionals Living in the United States. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Pages S385–S386, <https://doi.org/10.1093/ofid/ofab466.765>.
- 20) Suleyman G, Kassab R, **Gudipati G**, Ramesh M, Brar I. COVID-19 Pandemic and Catheter-associated Urinary Tract Infection Trends. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Pages S486–S487, <https://doi.org/10.1093/ofid/ofab466.976>.
- 21) Suleyman G, Sturla N, **Gudipati S**, Brar I, Ramesh M. Impact of COVID-19 Pandemic on Central Line-associated Bloodstream Infections in Metropolitan Detroit. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Page S482, <https://doi.org/10.1093/ofid/ofab466.967>.

b) **Bacterial Infections**

- 22) **Joshi S, Shallal A**, Zervos M. Vancomycin-Resistant Enterococci: Epidemiology, Infection Prevention, and Control. *Infect Dis Clin North Am*. 2021 Dec;35(4):953-968. PMID: 34752227.

c) **HIV Medicine**

- 23) **Parraga Acosta T**, Osborn Z, Lee JC, Haubrich RH, McNicholl I, and McKinnon JE. Pilot comparison of the ease of swallowing of single tablet antiretroviral regimens. *AIDS Care* 2021 Jun 14;1-4. Online ahead of print. PMID: 34125632.
- 24) Yazdanpanah O, **Monday L**, Shaik A, Cantor Z, Chi J. Hemophagocytic Lymphohistiocytosis Following Skin and Soft Tissue Infection in a Patient With Human Immunodeficiency Virus. *Cureus*. 2021 June;13(6): e15702. doi:10.7759/cureus.15702. PMID: 34277288.
- 25) **Gudipati S**, Lee M, Brar I, Markowitz N. Telehealth and HIV Care During the COVID-19 Pandemic. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Page S525, <https://doi.org/10.1093/ofid/ofab466.1062>.

d) **STI**

- 26) Jumah A, **Joshi S**, Nair S, AlAttal S, Jumah F, Eltous L, Zervos M. Bilateral acute retinal necrosis from ocular syphilis in a nonimmunocompromised patient. *Infect Dis Clin Pract* 2021 Nov;29(6); e335-339.
- 27) **Shallal A**, Abada E, Fehmi Z, Kamatham S, Trak J, Fehmi O, Toma A, Farooqi S, Jang H, Kim S, Bandyopadhyay S, Zervos M, Ali-Fehmi R. Human Papillomavirus Infection and Cervical Dysplasia in a Subset of Arab American Women. *Womens Hlth Reports (New Rochelle, NY)* 2021;2(1):273-278. PMID: 34318297.

e) **Transplant Infections**

- 28) **Shallal A**, Tibbetts R, Alangaden G, Williams J. Pulmonary nodules in a lung transplant recipient. *Am J Transplant* 2021 May; 21(5):1975-1977. PMID: 33939276.
- 29) **Parraga TJ**, McCorquodale J, Greenlee S, Osborn Z, Hanna ZW, Williams JD, Abreu Lanfranco O, Ramesh M, Alangaden GJ. Impact of Pre-Transplant Infectious Diseases Wellness Visit on Vaccine Uptake in Solid Organ Transplant Candidates. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Pages S774–S775, <https://doi.org/10.1093/ofid/ofab466.1569>.
- 30) **Parraga Acosta TJ**, Greenlee S, Makowski C, Kenney R, Ramesh M, Alangaden GJ. Antimicrobial Utilization in Solid Organ Transplant Recipients 12-Months Post-Transplantation. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Pages S399–S400, <https://doi.org/10.1093/ofid/ofab466.790>.

f) **Global Health**

- 31) **Maki G**, Zervos M. Health Care-Acquired Infections in Low- and Middle-Income Countries and the Role of Infection Prevention and Control. *Infect Dis Clin North Am* 2021; 35(3):827-839. PMID: 34362546.
- 32) Quirós RE, Bardossy AC, Angeleri P, Zurita J, Aleman Espinoza WR, Carneiro M, Guerra S, Medina J, Castañeda Luquerna X, Guerra A, Vega S, Cuellar Ponce de Leon LE, Munita J, Escobar ED, **Maki G**, Prentiss T, and Zervos M. Antimicrobial stewardship programs in adult intensive care units in Latin America: Implementation, assessments, and impact on outcomes. *Infect Control Hosp Epidemiol* 2021 Apr 8;1-10. doi: 10.1017/ice.2021.80. Online ahead of print. PMID: 33829982.
- 33) **Shallal A**, Lahoud C, Zervos M, Matar M. Lebanon is Losing Its Front Line. *J Global Hlth* 2021 Mar 27; 11. doi: 10.7189/jogh.11.03052. PMID: 33838836.

g) **Quality Improvement**

- 34) **Monday LM**, Yazdanpaneh O, Sokolowski C, Chi J, Kuhn R, Bazzy K, Dhar S. A Physician-Driven Quality Improvement Stewardship Intervention Using Lean Six Sigma Improves Patient Care for Community-Acquired Pneumonia. *Glob J Qual Saf Healthc* 2021 June);4(3). Published online DOI: 10.36401/JQSH-21-2.
- 35) **Monday L**, Michniak J, Zoratti E, Weinmann AJ. A Multidisciplinary Quality Improvement Initiative to Promote Penicillin Allergy Delabeling. *Open Forum Infectious Diseases*, Volume 8, Issue Supplement\_1, November 2021, Pages S148–S149, <https://doi.org/10.1093/ofid/ofab466.263>.
- 36) Al-Bizri LA, **Vahia AT**, **Rizvi K**, Bardossy AC, Robinson PK, Shelters RT, Klotz S, Starr PM, Reyes KQ, Suleyman G, and Alangaden GJ. Effect of a urine culture stewardship initiative on urine culture utilization and catheter-associated urinary tract infections in intensive care units. *Infect Control Hosp Epidemiol* 2021 Jul 8;1-4. Online ahead of print. PMID: 34236024

h) **Miscellaneous**

- 36) Yazdanpanah O, **Monday LM**, Surapaneni S, Singh V, Chi J. Ocular Toxoplasmosis Mimicking Lymphoma: Exploring the Correlation and Distinction. *Cureus* 2021 Jan 30;13(1):e13014. doi: 10.7759/cureus.13014. PMID: 33659144.
- 37) **Shallal A**, Opara IN, Zervos M. Letter to the Editor: In Response. *Gen Intern Med* 2021; Epub ahead of print, 2021 Aug 6. *J Gen Intern Med*. 2021;1. doi:10.1007/s11606-021-07060-5. PMID: 34357579.

**2021 – ABSTRACTS**

a) **COVID-19**

- 37) Bloom A, Gupta AH, Romanowski LM, Suleyman G, Zervos M, **Chaudhry Z**, Kabbani LS. Exposure on the frontline: Incidence of COVID-19 in healthcare personnel at a quaternary care center. 2021 Virtual Critical Care Congress, Jan 31-Feb 3, 2021.
- 38) **Gudipati S**, Lee M, Scott M, Yaphe S, Yared N, Brar I, Markowitz N. “The Seroprevalence of COVID-19 in Patients living with HIV in Metropolitan Detroit.” Science Spotlight presentation at the virtual CROI conference. March 2021.
- 39) Gwinn M, Nimri F, **Monday L**, Buckley J. COVID-19 Associated Immunosuppression and the Rise of Pneumocystis Jirovecii Pneumonia. 2021 American College of Physicians National Meeting. May 2021.
- 40) **Joshi S\***, Arshad S, **Shallal A**, Zervos M, Kilgore P. Gender disparities in COVID-19 vaccinations in the state of Michigan: Identifying public health initiatives to improve vaccine uptake. Oral Presentation. July 2021. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2021.

- 41) **Shallal A\***, **Joshi S**, Quan D, Wong L, Kenney R, Zervos M. The impact of air pollution on the severity of COVID-19 in Detroit, Michigan. July 2021. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2021.
- 42) Gupta K, **Monday L**, Kaushik M, Alangaden G, Brar I. Clinical Experience With Remdesivir at the Henry Ford Health System. 2021 Medical Education Research Forum, Henry Ford Hospital. May 2021.
- 43) Suleyman G, Vahia A, **Chaudhry Z**, Weinmann A, Alangaden G. Coronavirus Disease 2019 (COVID-19) Infection Among Healthcare Workers in Metropolitan Detroit. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID), July 9-12, 2021, Vienna, Austria.
- 44) **Gudipati S**, Lee M, Brar I, Markowitz N. Telehealth and HIV Care During the COVID-19 Pandemic. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 45) Gupta K, **Monday L**, Kaushik M, Alangaden G, Brar I. Risk Factors Associated with 30-Day Mortality in a Large Cohort of Patients who Received Remdesivir and Corticosteroids for Severe COVID-19. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 46) **Joshi S**, Manning A, Bivins J, Arshad S, Agbonze A, Berger AM, Czander B, Gonzalez G, Heinonen JH, Klama K, Lamb LL, Misikir H, Adams A, Anderson M, Morley M, Kilgore PE, Zervos M, Mossing M, Stylianou K, Rehman NK. Sustained Control and Prevention of COVID-19 Outbreaks in Detroit Skilled Nursing Facilities. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 47) **Joshi S**, Smith Z, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Williams J, Kenney R, Alangaden G, Ramesh M. Low versus High Dose Methylprednisolone in Adult Patients with COVID-19: Less is More. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 48) **Joshi S**, Soman S, Jain S, Yako A, Hojeij M, Massoud L, Alsaadi A, Smith ZR, Alangaden GJ, Kenney R, Ramesh M. Moderate Versus High Dose Corticosteroids in Adult Patients with Severe COVID-19: Less Is More. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 49) **Monday L**, Alangaden GJ, Brar I, Ramesh M. A Real-World Cohort Study of Bamlanivimab versus Bamlanivimab-Etesevimab for Non-severe COVID-19. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 50) **Shallal A**, Abada E, Musallam R, Fehmi O, Kaljee L, Fehmi Z, Alxzhouhayli S, Ujayli D, Dankerlui D, Kim S, Kumar VA, Zervos M, Ali R. Reasons for Deferral of COVID-19 Vaccines Among Arab American Healthcare Professionals Living in the United States. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 51) Suleyman G, Sturla N, **Gudipati S**, Brar I, Ramesh M. Impact of COVID-19 Pandemic on Central Line-associated Bloodstream Infections in Metropolitan Detroit. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.

#### b) **Bacterial Infections**

- 52) **Joshi S**, Rehman N, Zervos M. Epidemiology and control of a carbapenem-resistant enterobacterales outbreak in a skilled-nursing facility in Detroit, Michigan. Oral Presentation. Henry Ford Medical Education Research Forum, May, 2021.
- 53) **Joshi S**, Rehman N, Zervos M. Epidemiology and control of a carbapenem-resistant enterobacterales outbreak in a skilled-nursing facility in Detroit, Michigan. July 2021. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2021.
- 54) Suleyman G, **Gudipati S**, Rhodes P, Bragin E, Zervos M, Tibbetts R. Determining the Molecular Epidemiology of Daptomycin-nonsusceptible *Staphylococcus aureus* Using Genetic Relatedness and Resistance Genes. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID),

July 9-12,2021, Vienna, Austria.

c) **Transplant Infections**

- 55) **Dillon W, Parraga Acosta T**, Failla A, Corrales J, Ramesh M, Alangaden G. Utility of Microbiologic Testing Obtained via Bronchoalveolar Lavage on Asymptomatic Lung Transplant Recipients - A Quality Improvement Study. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 56) **Parraga TJ**, McCorquodale J, Greenlee S, Osborn Z, Hanna ZW, Williams JD, Abreu Lanfranco O, Ramesh M, Alangaden GJ. Impact of Pre-Transplant Infectious Diseases Wellness Visit on Vaccine Uptake in Solid Organ Transplant Candidates. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 57) **Parraga Acosta TJ**, Greenlee S, Makowski C, Kenney R, Ramesh M, Alangaden GJ. Antimicrobial Utilization in Solid Organ Transplant Recipients 12-Months Post-Transplantation. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.

d) **Quality Improvement**

- 58) Walsh M, Chi J, **Monday L**, Yazdanpanah O, Khalid M, Solokowski C, Levine DL. Virtual Room of Horrors: Transforming a quality improvement education program to a virtual setting with the goal of early introduction of quality improvement and awareness of patient safety and medical errors to medical students. Association of American Medical Colleges (AAMC-GEA) Spring Meeting, April 2021.
- 59) **Monday L**, Michniak J, Zoratti E, Weinmann AJ. A Multidisciplinary Quality Improvement Initiative to Promote Penicillin Allergy Delabeling. Poster Presentation. ID Week 2021 Virtual Conference, Sept 29-Oct 3, 2021.
- 60) **Monday L**, Sebastian J, Nguyen P, Yazdanpanah O, Solokowski C, Chi J, Bazy K. A Quality Improvement Project To Increase Primary Care Follow Up After Congestive Heart Failure Exacerbation In An Academic Medical Center Using A Quality And Safety Award. 2021 American Heart Association (AHA) Scientific Meeting. Boston, MA, November 2021.
- 61) **Monday L**, Jackman C, Schuldt S, Halash C, Alangaden G, Suleyman G. Impact of Female External Urinary Catheter on Indwelling Catheter Use and Catheter-associated Urinary Tract Infection Rates. SHEA Spring 2021 Conference, April 14-16, 2021.