

# INFECTIOUS DISEASES FELLOWSHIP

## Henry Ford Health System, Detroit Michigan

### ABSTRACTS & PUBLICATIONS

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#### 2021 – PUBLICATIONS

##### COVID 19

1. 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.
2. 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.
3. **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.

##### Fungal Infections

4. **Monday LM**, Parraga Acosta T, and Alangaden G. T2Candida for the Diagnosis and Management of Invasive Candida Infections. *J. Fungi (Basel)*. 2021 Mar 3;7(3):178. doi: 10.3390/jof7030178. PMID: 33802391.

##### Global Health

5. **Shallal A**, Lahoud C, Zervos M, Matar M. Lebanon is Losing Its Front Line. *J Global Hlth* 2021; 11. doi: 10.7189/jogh.11.03052.
6. **Shallal A**, Opara IN, Zervos M. Letter to the Editor: In Response. *J Gen Intern Med* 2021. DOI: 10.1007/s11606-021-07060-5. Published online: Aug 6, 2021.

##### HIV

7. **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.

##### Parasitic Infections

8. 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.

#### STI

9. **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)* 2021;2(1):273-278. PMID: 34318297.

#### Stewardship

10. 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; Epub ahead of print.:1-4. PMID: 34236024.
11. **Monday LM**, Yazdanpaneh O, Sokolowski C, Chi J, Kuhn R, Bazy 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;4(3). Published online.
12. 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.

#### Transplant Infections

13. 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.
14. Heldman MR, Kates OS, Multani A, Steinbrink JM, Lewis AV, Alexander BD, Beaird 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.
15. **Shallal A**, Tibbetts R, Alangaden G, and Williams J. Pulmonary nodules in a lung transplant recipient. *Am J Transplant* 2021 May; 21(5):1975-1977. PMID: 33939276.

## 2021 – ABSTRACTS

### Bacterial Infections

1. 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.

### COVID-19

2. 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.
3. **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. July 2021. 31st European Congress of Clinical Microbiology & Infectious Diseases (ECCMID) 2021.
4. **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.
5. 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.

### Stewardship

6. **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.

## 2020 – PUBLICATIONS

### Bacterial Infections

1. Dey S, Gudipati S, Giuliano C, Zervos MJ, Monk JM, Szubin R, Jorgensen SCJ, Sakoulas G, and Berti AD. Reduced production of bacterial membrane vesicles predicts mortality in ST45/USA600 methicillin-resistant Staphylococcus aureus bacteremia. Antibiotics 2020; 9(1). PMID: 31861446.
2. Ramireddy S, Gudipati S, and Zervos M. Expect the Unexpected: A Rare Case of Pseudomonas aeruginosa Endocarditis. IDCases. 2020 May 12;21:e00787. doi: 10.1016/j.idcr.2020.e00787. PMID: 32399394.
3. Shallal A, Markowitz N, Tibbetts R. The Brief Case: Cough in an Immunocompromised Patient. Journal of Clinical Microbiology. (Accepted for publication 4/22/2020).

4. Shallal A, Markowitz N, Tibbetts R. Closing the Brief Case: Cough in an Immunocompromised Patient. *J Clin Microbiol* 2020; 58(11). PMID: 33087543.

#### COVID-19

5. Arshad S, Kilgore P, **Chaudhry Z**, Jacobsen G, Wang DD, Huitsing K, Brar I, Alangaden GJ, Ramesh MS, McKinnon JE, O'Neill W, Zervos M, Henry Ford COVID-19 Task Force. Treatment with Hydroxychloroquine, Azithromycin, and Combination in Patients Hospitalized with COVID-19. *Intl J Infect Dis* 2020 July 2; DOI:<https://doi.org/10.1016/j.ijid.2020.06.099>.
6. **Chaudhry Z**, Williams JD, **Vahia A**, **Parraga Acosta T**, Prashar R, Shrivastava P, Khoury N, Corrales JP, Williams C, Nagai S, Abouljoud M, Samaniego-Picota M, Abreu Lanfranco O, del Busto R, Ramesh M, Patel A, Alangaden G. Clinical Characteristics and Outcomes of COVID-19 in Solid Organ Transplant Recipients: A Case-Control Study. *Am J Transplant* 2020 Nov;20(11):3051-3060. Epub 2020 Jul 28. PMID: 32654332.
7. Fadel R, Morrison AR, Vahia A, Smith ZR, Chaudhry Z, Bhargava P, Miller J, Kenney RM, Alangaden G, Ramesh MS, Henry Ford COVID-19 Management Task Force. Early Short Course Corticosteroids in Hospitalized Patients with COVID-19. *Clin Infect Dis*; 2020 May 19;ciaa601. doi: 10.1093/cid/ciaa601. Epub ahead of print. PMID: 32427279.
8. **Gudipati S**, Brar I, Murray S, McKinnon JE, Yared N, Markowitz N. Descriptive Analysis of Patients Living with HIV Affected By COVID-19. *JAIDS* 2020. *J Acquir Immune Defic Syndr* 2020; Epub ahead of print. PMID: 32675771.
9. Heldman MR, Kates OS, Haydel BM, Florman SS, Rana MM, **Chaudhry ZS**, Ramesh M, Safa K, Kotton CN, Blumberg EA, et al. Healthcare resource use among solid organ transplant recipients hospitalized with COVID-19. *Clin Transplant* 2020:e14174. PMID: 33349940.
10. Kates OS, Haydel BM, Florman SS, Rana MM, **Chaudhry ZS**, Ramesh MS, Safa K, Kotton CN, Blumberg EA, et al, UW COVID-19 SOT Study Team. COVID-19 in solid organ transplant: A multi-center cohort study. *Clin Infect Dis*. 2020 Aug 7;ciaa1097. doi: 10.1093/cid/ciaa1097. Online ahead of print. PMID: 32766815.
11. Morrison A, Smith Z, Ramesh M, **Vahia AT**, et al. Clinical Characteristics and Predictors of Survival in Adults with Coronavirus Disease 2019 Receiving Tocilizumab. *J Autoimmun*. 2020 Nov;114:102512. doi: 10.1016/j.jaut.2020.102512. PMID: 32646770.
12. Ramachandruni S, Tsou P-Y, Benetez DC, Evani GS, **Gudipati S**, Chakilam R, Mock P, Narasimhan B, Lakkireddy DR, Raj SS. Efficacy of Convalescent Plasma and Short Course Corticosteroids in Patients with COVID-19. *Univ of Louisville J Resp Infect*. 2020 May 19;Vol. 4, Iss. 1, Article 8.
13. **Shallal A**, Kenney R, and Weinmann A. Missed Vaccine Opportunities to *S. pneumoniae* and Influenza in Patients Admitted During the COVID-19 Pandemic. *Infect Control Hosp Epidemiol* 2020; Epub ahead of print. PMID: 33100230.

14. Suleyman G, Fadel RA, Malette KM, Hammond C, Abdulla H, Entz A, Demertzis Z, Hanna Z, Failla A, Dagher C, **Chaudhry Z**, **Vahia A**, Abreu Lanfranco O, Ramesh M, Zervos MJ, Alangaden G, Miller J, Brar I. Clinical Characteristics and Morbidity Associated with Coronavirus Disease 2019 in a Series of Patients in Metropolitan Detroit. *JAMA Network Open*. 2020(6):e2012270. doi:10.1001/jamanetworkopen.2020.12270. PMID: 32543702.
15. **Vahia AT**, **Chaudhry Z**, Kaljee L, **Parraga Acosta T**, **Gudipati S**, **Maki G**, **Tariq Z**, **Shallal A**, **Nauriyal V**, et al. Rapid Reorganization of an Academic Infectious Diseases Program During the COVID-19 Pandemic in Detroit: A Novel Unit-Based Group Rounding Model. *Clin Infect Dis* 2020 Jul 1; <https://doi.org/10.1093/cid/ciaa903>. PMID: 32604415.
16. Zervos M, Arshad S, Kilgore P, **Chaudhry ZS**, Jacobsen G, Wang DD, Huitsing K, Brar I, Alangaden GJ, Ramesh MS, McKinnon JE, and O'Neill W. A Sound Approach: Hydroxychloroquine Reduces Mortality in Severe COVID-19. *Int J Infect Dis* 2020; Epub ahead of print. PMID: 32745629.
17. Zervos M, **Maki G**, Love NG, McElmurry SP. Author response to letter from Gomez et al. *Int J Infect Dis*. 2020 Feb;91:268-269. doi: 10.1016/j.ijid.2019.11.030. Epub 2019 Dec 6. PMID:31812698

#### Global Health

18. **Maki G**, Smith I, Paulin S, Kaljee L, Kasambara W, Mlotha J, Chuki P, Rupali P, Singh DR, Bajracharya DC, Barrow L, Johnson E, Prentiss T, and **Zervos M**. Feasibility Study of the World Health Organization Health Care Facility-Based Antimicrobial Stewardship Toolkit for Low- and Middle-Income Countries. *Antibiotics (Basel)* 2020; 9(9). PMID: 32872440.
19. **Nauriyal V**, Rai SM, Joshi RD, Thapa BB, Kaljee L, Prentiss T, Maki G, Shrestha B, Bajracharya DC, Karki K, Joshi N, Acharya A, Banstola L, Poudel SR, Joshi A, Dahal A, Palikhe N, Khadka S, Giri P, Lamichhane A, and Zervos M. Evaluation of an Antimicrobial Stewardship Program for Wound and Burn Care in Three Hospitals in Nepal. *Antibiotics (Basel)* 2020; 9(12). PMID: 33339283

#### HIV

20. **Gudipati S**, Brar I, Golembieski I, Hanna Z, Markowitz N. Occurrence of the S230R Integrase Strand Inhibitor Mutation in a Treatment-Naïve Individual Case Report. *Medicine* 2020 Jul 2;99(27);<http://dx.doi.org/10.1097/MD.00000000000020915>. PMID: 32629687.

## 2020 – ABSTRACTS

#### Bacterial infections

1. **Tariq Z**, Zervos M. Epidemiology and Clinical Characteristics of Daptomycin Resistant Enterococcus. Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.

2. Misikir H, Mulugeta S, **Shallal A**, Zervos M. Meropenem-vaborbactam vs standard of care for multidrug resistant carbapenem-resistant Enterobacteriaceae. Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.
3. **Gudipati S, Vahia A**, Perri MB, Tibbetts R, Zervos M, Suleyman G. Risk Factors Associated with Daptomycin Non-Susceptible *Staphylococcus aureus* Blood Stream Infections. 30<sup>th</sup> ECCMID, Paris, France, April 18-21, 2020.
4. Misikir H, Mulugeta S, **Shallal A**, Zervos M. Meropenem-vaborbactam vs standard of care for multidrug resistant carbapenem-resistant Enterobacteriaceae. ID Week 2020 Virtual Conference, October 21-25, 2020

### COVID-19

5. **Vahia AT, Chaudhry Z, Parraga Acosta T, Gudipati S**, Ramesh M, Williams J, Kaljee L, Alangaden G. From Chaos to Control: The Impact of the HFHS COVID ID Service. 27th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 15, 2020. (Awarded 1<sup>st</sup> place for Best Quality Improvement).
6. **Gudipati S**, Ranger J, **Vahia A, Parraga-Acosta T**, Hanna Z, Nair S, Yared N, Suleyman G, Brar I. Long-term Complications Associated with COVID-19 Infection. ID Week 2020 Virtual Conference, October 21-25, 2020.
7. **Gudipati S, Vahia A**, Pahl N, Brar I, Suleyman G, Arshad S, Zervos M, Alangaden G. Utilization of Blood Cultures, Risk factors and Outcomes of Bloodstream Infections in Patients Hospitalized with COVID-19. ID Week 2020 Virtual Conference, October 21-25, 2020.
8. **Maki G**, Abdollah F, Dabaja A, Suleyman G. Prevalence and Outcome of Asymptomatic Procedural Patients with COVID-19 Infection. Poster Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
9. **Maki G**, Bowser D, **Shallal A**, Prentiss T, Zervos M, Rehman NK. Detroit's Response to COVID-19 in Homeless Shelters. Oral Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
10. **Maki G, Vahia A**, Ramesh M, Arshad S, Chen A, Zervos M, Alangaden G. Could Maturation Effect Contribute to In-Hospital Mortality Improvement During COVID-19 Pandemic? Oral Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
11. **Nauriyal V, Shallal A, Vahia A**, Samuel L, Tibbetts R, Lopez I, Ramesh R. Convalescent plasma early in disease course improves survival in COVID-19. ID Week 2020 Virtual Conference, October 21-25, 2020.
12. **Parraga Acosta T, Vahia A, Chaudhry A, Gudipati S**, Arshad S, Ramesh M, Zervos M, Alangaden G. The Simple and Novel SAS Score to Predict Mortality at Presentation in 2,541 Hospitalized COVID-19 Patients. ID Week 2020 Virtual Conference, October 21-25, 2020.
13. **Shallal A**, Kenney R, Suleyman G. Antibiotic Utilization During the COVID-19 Surge in Detroit. ID Week 2020 Virtual Conference, October 21-25, 2020.

14. **Shallal A**, Morrison A, Brar I, Suleyman G. Complications and Outcomes of Obese Patients Hospitalized with COVID-19. Poster Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
15. **Shallal A**, Quan D, Wong L, Opara I, Zervos M. Median Income is Associated with Need for Mechanical Ventilation in COVID-19. Oral Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
16. **Shallal A, Vahia A**, Kenney R, Weinmann A. Missed Vaccine Opportunities During the COVID-19 Pandemic. Poster Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
17. **Tariq Z**, Doeing D, **Nauriyal V, Chaudhry Z, Shallal A**, Bhargava P, Chen A, Herc E, Ramesh M. Spontaneous pneumothorax in COVID-19. Poster Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
18. **Tariq Z, Vahia A**, Grover K, Ignacio S, Kaur I, Talari G, **Chaudhry Z**, Bhargava P. Study of early and late readmissions with COVID-19: A retrospective analysis. Poster Presentation. ID Week 2020 Virtual Conference, October 21-25, 2020.
19. **Vahia AT, Chaudhry ZS**, Weinmann AJ, Samuel L, Tibbetts R, Alangaden GJ, Suleyman G. Coronavirus Disease 2019 (COVID-19) Among Healthcare Workers in Southeast Michigan. ID Week 2020 Virtual Conference, October 21-25, 2020.

#### Fungal infections

20. **Chaudhry Z, Vahia A**, Williams J, Suleyman G, Samuel L, Alangaden G. Utilization of *Pneumocystis jirovecii* (PJ) quantitative polymerase-chain reaction (qPCR) to distinguish infection from colonization in immunosuppressed patients. (Poster Presentation). Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.
21. **Vahia A**, Alangaden G, Suleyman G. Examining discordance in blood culture and T2 positivity in the detection of candidaemia: modelling the odds of blood culture and T2 discordance as a function of candidaemia risk factors. 30<sup>th</sup> ECCMID, Paris, France, April 18-21, 2020.
22. **Chaudhry Z, Vahia A**, Williams J, Suleyman G, Samuel L, Alangaden G, Montero C, Schwab D. Utilization of *Pneumocystis jirovecii* (PJ) quantitative polymerase-chain reaction (qPCR) to distinguish infection from colonization in immunosuppressed patients. (E-Poster presentation). ASM Microbe 2020 (Virtual Conference), June 18-22, 2020.

#### Global Health

23. **Shallal A**, Opara IN, Snell J, Drennan D, Vasquez E, **Zervos M**. The Freedom Cares Initiative: A Novel Asset-Based Model for Refugee Health, Self-Advocacy, and Self-Determination. 2020 Pegasus Conference, Waterloo, Ontario, April 24-26, 2020.
24. **Maki G**, Smith I, Paulin S, Kasambara W, Mlotha J, Chuki P, Rupaili P, Singh DR, Bajracharya DC, Barrow L, Johnson E, Prentiss T, Kaljee L, Zervos M. Feasibility Studies of the WHO Practical Toolkit for Antimicrobial Stewardship Programmes in Health-care Facilities in Low-and Middle-Income Countries. 30<sup>th</sup> ECCMID, Paris, France, April 18-21, 2020.

## HIV

25. **Gudipati S**, Brar I, Hanna Z, Golembieski A, Markowitz N. Archived HIV DNA Genotypic Resistance Testing in Highly Art-Experienced Patients. 27th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 15, 2020. (Awarded 2<sup>nd</sup> place for Best Clinical Research).
26. **Tariq Z**, Zia S, Schultz D, Brar I, Tibbetts R. A unique presentation of *Cryptococcus neoformans* and *Pneumocystis jirovecii* (PJP) co-infection in a newly diagnosed HIV patient. 27th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 15, 2020. (Awarded 2<sup>nd</sup> place for Best Clinical Case Report).
27. **Shallal A**, Brar I, Herc E. A Case of IRIS-Associated Disseminated Kaposi Sarcoma. Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.
28. **Gudipati S**, Brar I, Hanna Z, Golembieski A, Markowitz N. Archived HIV DNA Genotypic Resistance Testing in Highly Art-Experienced Patients. 23rd International AIDS Conference (AIDS 2020: Virtual), July 6-10, 2020.
29. **Gudipati S**, Jaziri M, Tancer S, **Vahia AT**, Brar I. Rapid Start: A Changing Algorithm for the Management of HIV Infection. ID Week 2020 Virtual Conference, October 21-25, 2020.

## STI

30. **Shallal A**, Trak J, Kamatham S, Fehmi O, Farooqi S, Fehmi Z, Zervos M, Ali R. Prevalence of Human Papillomavirus Infection and Cervical Intra-Epithelial Lesions in A Subset of Arab American Women in Southeast Michigan. ID Week 2020 Virtual Conference, October 21-25, 2020.
31. **Shallal A**, Trak J, Kamatham S, Farooqi S, Zervos M, Ali-Fehmi R. Prevalence of Human Papillomavirus Infection and Cervical Intra-Epithelial Lesions in a Subset of Arab American Women in Southeast Michigan. 27th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 15, 2020.
32. **Shallal A**, Trak J, Kamatham S, Farooqi S, Ali-Fehmi O, Ali-Fehmi Z, Zervos M, Ali-Fehmi R. Prevalence of Human Papillomavirus Infection and Cervical Intra-Epithelial Lesions in a Subset of Arab American Women in Southeast Michigan. Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.

## Transplant infections

33. **Tariq Z**, Alangaden G. A Tale of Two Bugs: Hyperammonemia and Encephalopathy in a Lung Transplant Recipient. Michigan Infectious Disease Society (MIDS), Michigan State University, East Lansing, MI, March 21, 2020.

## 2019 – PUBLICATIONS

### Bacterial infections



1. Geriak M, Haddad F, **Rizvi K**, Rose W, Kullar R, LaPlante K, Yu M, Vasina L, Ouellette K, Zervos M, Nizet V, Sakoulas G. Clinical Data on Daptomycin plus Ceftaroline versus Standard of Care Monotherapy in the Treatment of Methicillin-Resistant Staphylococcus aureus Bacteremia. *Antimicrob Agents Chemother.* 2019 Apr 25;63(5). pii: e02483-18. doi: 10.1128/AAC.02483-18. Print 2019 May. PMID:30858203.
2. Mann C, **Maki G**, Zervos M, and Ravishankar N. Diagnosing Genitourinary Tuberculosis: A Case Report. *Clin Med Rev Case Rep* 2019; 6:268.

#### Fungal infections

3. **Nauriyal V**, Ueberroth B, Zakhia A, **Herc E**. Invasive Aspergillosis of the Liver in an Immunocompetent Patient. *Infect Dis Clin Pract* 2019; 27(6):370-373.

#### Global Health

4. Joshi RD, Zervos M, Kaljee LM, Shrestha B, **Maki G**, Prentiss T, Bajracharya D, Karki K, Joshi N and Rai SM. Evaluation of a hospital-based post-prescription review and feedback (PPRF) pilot in Kathmandu, Nepal. *Am J Trop Med Hyg* 2019 (August); Epub ahead of print. PMID: 31392949.
5. Lucien M, Adrien P, **Hadid H**, Hsia T, Canarie MF, Kaljee LM, Kilgore PE, Parke DM, Joseph GA, Lafosse E, Zervos MJ, Boncy J. Cholera Outbreak in Haiti: Epidemiology, Control and Prevention. *Infect Dis Clin Pract.* 2019;27(1):3-11. PMID: Not assigned.
6. **Maki G**, Kaljee L, Prentiss T, Olson E, Bajracharya D, Shrestha B, Karki K, Shakya M, Joshi RD, Herc E, **Hadid H**, Zervos M. Epidemiology of multi drug resistant gram negative bacteria in Kathmandu, Nepal. *Int J Infect Dis.* 2019; 79:44-45. PMID: Not assigned
7. Zervos M, **Maki G**, Love NG, and McElmurry SP. Author response to letter from Gomez et al. *Int J Infect Dis.* 2019; Epub ahead of print. doi:10.1016/j.ijid.2019.11.030. PMID: 31812698.
8. **Maki G**, McElmurry S, Kilgore P, Love N, Misikir H, Perri M, Zervos M. Bacterial colonization of drinking water: implications for an aging U.S. water infrastructure. *Int J Infect Dis.* 2019; 79:30-31. PMID: Not assigned

#### Infection Control

9. Mody L, Washer LL, Kaye KS, Gibson K, Saint S, Reyes K, Cassone M, Mantey J, Cao J, **Altamimi S**, Perri M, Sax H, Chopra V, Zervos M. Multidrug-resistant Organisms in Hospitals: What Is on Patient Hands and in Their Rooms? *Clin Infect Dis.* 2019 Nov 13;69(11):1837-1844. doi: 10.1093/cid/ciz092. PMID:30980082.

## 2019 – ABSTRACTS

#### Antimicrobial Stewardship

1. **Chaudhry Z, Vahia A**, Alangaden G. Evaluation of the T2 Candida Panel as an Antifungal Stewardship Tool in Transplant and Non-Transplant Patients at a Tertiary Care Center. ID Week 2019, Washington, DC, October 2-6, 2019.

### Bacterial Infections

2. Askar F, Marusca G, **Hadid H**, Reyes K. Life Threatening Complications of Acute Pyelonephritis in a Patient with Solitary Kidney. Michigan Infectious Diseases Society Conference, St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
3. **Gudipati S**, Khorfan K, McKinnon J, Herc ES. Expected the Unexpected! Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
4. Marusca G, **Hadid H**, Zervos M. Actinomyces Israelii – A Rare Cause of Bacterial Peritonitis. Michigan Infectious Diseases Society Conference, St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019
5. **Chaudhry Z**, Alangaden G. Skin and soft tissue infections. 26th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.
6. **Hadid H**, Bardossy AC, Misikir H, Perri MB, Zervos M and Herc E. Treatment and Outcomes of Daptomycin-Nonsusceptible Methicillin-Resistant *Staphylococcus aureus* Bloodstream Infections. Michigan Infectious Diseases Society Conference, St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
7. **Gudipati S**, Perri M, Couto N, Herc E, Zervos M. Molecular Epidemiology of Daptomycin-Resistant Staphylococcus aureus Causing Bloodstream Infections. ID Week 2019, Washington, DC, October 2-6, 2019.

### Fungal Infections

8. **Chaudhry Z**, **Vahia AT**, Askar S, Hameed M, Hussain N, and Alangaden G. Impact of T2 Candida Panel on Species Specific Anti-fungal De-escalation. Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
9. Huitsing K, Perri M, **Nauriyal V** and Alangaden G. Susceptibility of Candida albicans to chlorhexidine (CHG) and in vitro selection of CHG resistance: Potential implications for clinical practice. Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019. (Awarded Best Research Study Poster/Presentation).
10. **Nauriyal V**, Herc E. Invasive Aspergillosis of the Liver in an Immunocompetent Host. Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019. (Awarded Best Clinical Poster/Presentation).
11. **Parraga Acosta TJ**, Brar I. Disseminated Cryptococcal Disease in Liver Cirrhosis: Is it more common than reported in the literature? Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
12. **Vahia A**, Onwubiko I, Tibbetts R, del Busto R. Invasive Fungal Sinusitis due to Aspergillus niger in Non-Hodgkin's Lymphoma: A Common Condition, A Rare Species. Michigan Infectious Diseases Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.

13. **Chaudhry Z, Vahia AT**, Askar S, Hameed M, Hussain N, and Alangaden G. Impact of T2 Candida Panel on Species Specific Anti-fungal De-escalation. 26th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.
14. **Parraga Acosta TJ**, Brar I. Disseminated Cryptococcal Disease in Liver Cirrhosis: Is it more common than reported in the literature? 26th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.

#### Global Health

15. **Hadid H, Chaudhry Z**, Perri M, Zervos M, Brar I. Increasing Incidence of Multidrug-Resistant Organisms (MDROs): An Emerging Global Concern. Michigan Infectious Diseases Society Conference, St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
16. **Hadid H, Chaudhry Z**, Perri M, Zervos M, Brar I. Increasing Incidence of Multidrug-Resistant Organisms (MDROs): An Emerging Global Concern. 26th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.
17. Chuki P, Bianchini M.L, Tshering T, Sharma R, Yangzom P, Dema U, Kenney R, **Maki G**, Zervos M. Impact of an Antimicrobial Stewardship Program on Carbapenem Susceptibility in a National Hospital in Bhutan. ID Week 2019, Washington, DC, October 2-6, 2019.
18. **Gudipati S**, Bajracjarua D, Jimée L, **Maki G**, Zervos M, Prentiss T, Kaljee L. Impact of Education and Antibiotic Guidelines on Dispensing Antibiotics with Community Pharmacists in a Low-and Middle-Income Country. ID Week 2019, Washington, DC, October 2-6, 2019.
19. **Nauriyal V**, Dhoj R, Raj Poudel S, Banstola L, Joshi A, Zervos M, Kaljee L, Prentiss T. Antibiotic Stewardship in Burn and Chronic Wound Centers in Nepal. ID Week 2019, Washington, DC, October 2-6, 2019.
20. Smith I, Paulin S, Kasambara W, Mlotha J, Chuki P, Rupali P, Sing DR, Bajracharya D, Barrow L, Johnson E, Prentiss T, **Maki G**, Kaljee L, Zervos M. "Feasibility Studies of the WHO Toolkit for Antimicrobial Stewardship Programmes in Hospitals, in Four Low- and Middle-Income Countries." Poster presentation at the meeting on Antibiotic Stewardship and Conservation in Africa, Durban, South Africa, October 20-23, 2019.

#### HIV

21. **Vahia A**, Brar I. Progressive Multifocal Leucoencephalopathy: Still Relevant in the ART Era. 26th Annual Henry Ford Medical Education Research Forum. Henry Ford Hospital, Detroit Michigan, May 3, 2019.
22. **Gudipati S**, Osborn, Z, McKinnon JE, Brar I, Loss T, Brar S, Golembieski AM, Markowitz N. Emerging Resistance to Integrase Inhibitors by Next Generation Sequencing. **10th IAS Conference on HIV Science (IAS 2019)**, Mexico City, Mexico, July 22-24, 2019.
23. McKinnon JE, **Gudipati S**, Osborn Z, Brar I, Loss T, Brar S, Golembieski AM, Markowitz. Impact of Patient Characteristics on Integrase Resistance. Accepted Abstract A-1077- 0121-01792. 10th IAS Conference on HIV Science (IAS 2019), Mexico City, Mexico, July 22-24, 2019.

24. Osborn Z, **Parraga Acosta T**, Lee J, McNicholl I, McKinnon JE. Characterization of Patient Pill Preferences from a Prospective Placebo vs. Placebo Ease of Swallowability Study. ID Week 2019, Washington, DC, October 2-6, 2019.
25. **Gudipati S**, Khorfan K, McKinnon J, Herc ES. Expected the Unexpected! 26th Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.
26. **Shallal A**, Patel K, Vaillant J, Melgar T, Boapimp P. Assessing Resident Perspectives on Prescribing Pre-Exposure Prophylaxis for HIV. ID Week 2019, Washington, DC, October 2-6, 2019.
27. **Gudipati S**, Brar I, Osborn Z, McKinnon JE, Loss T, Brar S, Golembieski AM, Markowitz N. HIV-1 Integrase Inhibitor Resistance Associated Mutations Defined by Majority and Minority Populations Among Individuals Failing Therapy. Poster session PE13/9. 17th European AIDS Conference, Basel, Switzerland, Nov 6-9, 2019.
28. **Gudipati S**, Osborn Z, Brar I, McKinnon JE, Loss T, Brar S, Golembieski AM, Markowitz N. Clinical impact of minority variants in patients failing an integrase inhibitor-based regimen: What do clinicians do? Poster session PE13/17. 17th European AIDS Conference, Basel, Switzerland, Nov 6-9, 2019.
29. **Parraga Acosta T**, Osborn Z, Lee JC, Haubrich RH, McNicholl I, McKinnon JE. Comparison of the Ease of Swallowability of B/F/TAF placebo compared to DTG/ABC/3TC placebo. Poster session PE3/2. 17th European AIDS Conference, Basel, Switzerland, Nov 6-9, 2019.

#### Transplant infections

30. **Parraga Acosta T**, Hanna Z, Daering N, **Vahia A**, Alangaden G. Assessment of vaccine rates in solid organ transplant recipients and identification of factors associated with completion of vaccination. ID Week 2019, Washington, DC, October 2-6, 2019.

#### Viral infections

31. **Hadid H**. Alalwan Y, Askar F, Leikert K, Kuley AI, Brar I. HSV Acute Retinal Necrosis: A Painful Threat to Vision. Michigan Infectious Diseases Society Conference, St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
32. **Williams J**, Mercurio N, **Vahia A**, Rizvi H, Hameed M, Abreu-Lanfranco O, Bhargava P, Samuel L, and Alangaden G. Improved Antimicrobial Utilization in the Emergency Department: Impact of a Point of Care Polymerase Chain Reaction Test for The Rapid Detection of Influenza. 26<sup>th</sup> Annual Medical Education Research Forum, Henry Ford Hospital, Detroit, MI, May 3, 2019.
33. **Williams J**, Mercurio N, **Vahia A**, Rizvi H, Hameed M, Abreu-Lanfranco O, Bhargava P, Samuel L, and Alangaden G. Improved Antimicrobial Utilization in the Emergency Department: Impact of a Point of Care Polymerase Chain Reaction Test for The Rapid Detection of Influenza. Michigan Infectious Disease Society (MIDS), St Joseph Mercy Hospital, Ann Arbor, MI, March 16, 2019.
34. **Altamimi S**, Misikir H, **Vahia A**, Zervos M, Reyes K. Hepatitis A: An Outbreak in Southeast Michigan. SHEA Spring 2019 Conference, Boston, MA, April 24-26, 2019. SHEA Top Poster Abstract Award.

35. **Vahia A**, Chitturi C, Rizzo O, Lwin N, Soman S, Yee J, Soi V, Uduman J, Alangaden G. Exploring the Natural History and Clinical Outcomes of Hepatitis B Core Antibody Positive Hemodialysis Patients in a Large Metropolitan Tertiary Care Hospital with a Focus on Occult Hepatitis B. ID Week 2019, Washington, DC, October 2-6, 2019.