

Carmen L. Isache, MD
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EDUCATION

Medical Education

MD

University of Medicine and Pharmacy Grigore T. Popa
Iasi, Romania
Oct 2003 - Sept 2009

Dartmouth-Hitchcock Medical Center
Clinical rotations during last year of medical school
New Hampshire, USA
April 2009 - August 2009

Oct 2009- May 2010 – preparation for ECFMG certification exams

Residency Training

Internal Medicine Residency
SUNY Downstate University of Brooklyn at Long Island College Hospital
Brooklyn, NY
June 2010 - June 2013

Fellowship Training

Infectious Diseases Fellowship
University of Florida
Jacksonville, FL
July 2013 - June 2015

LICENSURES AND CERTIFICATIONS

American Board of Internal Medicine – Board Certified in Internal Medicine since 2013
American Board of Internal Medicine – Board Certified in Infectious Diseases since 2015
State of Florida Medical License

WORK EXPERIENCE

July 2015 to present - Clinical Associate Professor

University of Florida College of Medicine
Department of Medicine, Division of Internal Medicine
Jacksonville, FL

- Core faculty member of Internal Medicine residency – October 2015 to present
- Member of Residency Education Committee and Clinical Competency Committee for Internal Medicine residency – October 2015 to present
- Internal Medicine Board mentor for Internal Medicine residents – July 2015 to present
- Medical student portfolio adviser for UF medical students – July 2015 to June 2018
- Member of Infection Control Committee – 2015 to present
- Chair of Antimicrobial Stewardship Subcommittee – Sept 2016 to present
- Member of P&T Committee – Sept 2016 to present
- Core faculty member of Infectious Disease fellowship – Oct 2016 to present
- Chair of Clinical Competency Committee for Infectious Disease fellowship – July 2018 to present
- Department representative to the Faculty Council – July 2019 to present
- Associate Program Director for the Infectious Disease fellowship – July 2019 to June 2020
- Program Director for the Infectious Disease fellowship – July 2020 to present

July 2013 to June 2015 – Fellow in Infectious Diseases

University of Florida College of Medicine
Department of Medicine, Division of Infectious Diseases
Jacksonville, FL

June 2010 to June 2013 - Resident in Internal Medicine

SUNY Downstate at Long Island College Hospital
Department of Medicine, Division of Internal medicine
Brooklyn, NY

MEMBERSHIP IN HONORARY/PROFESSIONAL SOCIETIES

Member, Infectious Disease Society of America

Member, American College of Physicians
Member, American Federation for Medical Research
Member, Duval County Medical Society

AWARDS

2019 – 2020 UF Exemplary Teacher Award
2018 - 2019 Department of Medicine Teacher of the Year Award
2018 - 2019 UF Exemplary Teacher Award
2015 - 2016 UF Exemplary Teacher Award
2010 - 2011 SUNY Downstate Intern of the Year Award
2003 - 2009 Scholarship for Extraordinary Results during each year of Medical School

PEER-REVIEWED PUBLICATIONS – FULL MANUSCRIPTS

1. Jankowski C, Casapao A, Siller S, **Isache C**, Cani K, Claudio A, Brown M, Milstid B, Feldhamer M. Preanalytical challenges during capillary finger stick sampling preclude its widespread use in adult hospitalized patients. Accepted for publication in American Journal of Clinical Pathology on June 27th, 2020
2. Kogler W, Canha C, Makary R, Omman R, **Isache C**. Multiple myeloma with extensive AL amyloidosis presenting as chronic diarrhea. BMJ Case Rep. 2020 Jan 8.
PMID: 3191906
3. Krishnan N, Patel B, Palfrey W, **Isache C**. Rapidly progressive necrotizing cellulitis secondary to *Candida tropicalis* infection in an immunocompromised host. IDCases. 2020 Jan 3.
PMID: 31988847
4. Bishop PA, **Isache C**, McCarter YS, Smotherman C, Gautam S, Jankowski CA. Clinical impact of a pharmacist-led antimicrobial stewardship initiative evaluating patients with *Clostridioides difficile* colitis. J Investigig Med. 2020 Apr. Epub 2020 Feb 16.
PMID: 32066570
5. Halasan C, **Isache C**, Sands M. A case of Disseminated Herpes Zoster in a patient with Multiple Sclerosis on Glatiramer acetate.. IDCases. 2020 Jun 17.
PMID: 32637319

6. Verdecia J, Warda F, Rechcigl K, Sowanovic M, **Isache C.** Kaposi sarcoma with musculoskeletal manifestations in a well-controlled HIV patient. *IDCases*. 2019 June 13. PMID: 31275805
7. Ganji M, Ruiz J, Kogler W, Lung J, Hernandez J, **Isache C.** Methicillin-resistant *Staphylococcus aureus* pericarditis causing cardiac tamponade. *IDCases*. 2019 Aug 1. PMID: 3145310
8. Patel H, Patel B, Jadeja S, **Isache C.** Central nervous system nocardiosis masquerading as metastatic brain lesions. *IDCases*. 2019 Oct 1. PMID: 31720223
9. Verdecia J, Hernandez J, Izzo C, Sottile E, **Isache C.** Methicillin-resistant *Staphylococcus aureus* (MRSA) sepsis complicated by warm autoimmune haemolytic anaemia secondary to antimicrobial therapy. *BMJ Case Rep*. 2019 Aug 28. PMID: 31466968
10. Kogler W, Davison N, Richardson A, Rollini F, **Isache C.** Endocarditis caused by *Stenotrophomonas maltophilia*-A rare presentation of an emerging opportunistic pathogen. *IDCases*. 2019 May 9 PMID: 31193238
11. Verdecia J, Vahdat K, **Isache C.** Trivalvular infective endocarditis secondary to *Granulicatella adiacens* and *Peptostreptococcus* spp. *IDCases*. 2019 May 3. PMID: 31110943
12. Burden Z, Fasen M, Judkins BL, **Isache C.** A case of West Nile virus encephalitis accompanied by diabetic ketoacidosis and rhabdomyolysis. *IDCases*. 2019 Feb 13. PMID: 30815360
13. Ruiz J, Ganji M, Canha C, **Isache C.** A Challenging Diagnosis of Ascites: A Case Report of Peritoneal Tuberculosis. *Case Rep Infect Dis*. 2018 Oct 23; PMID: 30425867
14. Maharaj S, Brown M, Seegobin K, **Isache C.** Sarcoidosis presenting with facial swelling (Heerfordt syndrome). *Clin Case Rep*. 2018 Sep 5; 6(10):2023-2024. PMID: 30349722

15. Hernandez Jimenez JM, Vahdat K, Serrano Santiago IA, Morales Hernandez MDM, **Isache C**, Sands M. Thalamic bacterial abscess presenting with hemiparesis and expressive aphasia. *IDCases*. 2018 Jun 28.
PMID: 30101064
16. Green KR, Hernandez-Jimenez JM, **Isache C**, Jacob R. Avascular necrosis: a growing concern for the HIV population. *BMJ Case Rep*. 2018 Jun 6.
PMID: 29880618
17. Maharaj S, Chang S, Seegobin K, **Isache C**. Paraneoplastic acral vascular syndrome. *Cleve Clin J Med*. 2018 Feb; 85(2):101-102.
PMID: 29425092
18. Seegobin K, Maharaj S, Baldeo C, **Isache C**, et al. Mycobacteria bovis osteomyelitis following intravesical BCG for bladder cancer. *IDCases* 2017 Sept 28;10:75-78.
PMID: 29034173
19. **Isache C**, Masri G., Review of Adult Obesity Management in Primary Care. *Northeast Florida Medicine* - Vol. 68, No.2 2017, p 34-38
20. Maharaj S., **Isache C**. Seegobin K., Chang S, Nelson G., Necrotizing Pseudomonas aeruginosa community-acquired pneumonia: case report and review of literature. *Case Rep Infect Dis*, Volume 2017, Article ID 1717492.
PMID: 28596927
21. Ramoutar V, Patel P, **Isache C**. An Unusual Presentation of Ventral PostTraumatic Pseudolipomas in a Surfer: a case report. *European Journal of Medical Case Reports*. January 2017; 1(1):40-43
22. Mohan G, Ali R, **Isache C**, Sharma R, Perniciaro C, Malignant syphilis: ostraceous, ulceronecrotic lesions in a patient with Human Immunodeficiency virus, *Dermatology Online Journal*, Volume 23(1), January 2017.
PMID: 28329469
23. Shah S, Richardson A, Baidoun F, **Isache C**, House J, Parmar K, Gopinath A. Rhino-orbital Mucormycosis Presenting in a Diabetic Patient with Diabetic Ketoacidosis, *Journal of Investigative Medicine*, Jan 2017, 10.1136/jim-2016-000393.258.
24. Nelson G, Ruiz J, Gutierrez M, **Isache C**. Cutaneous Histoplasmosis Masquerading as Recurrent Abscess. *Journal of Investigative Medicine*, Jan 2017, 65 (2)

25. **Isache C**, Baldeo C, Sands M, McCarter Y, Guzman N, Mercado D, Jankowski C. Implementation of a quality-of-care indicator set into the laboratory reporting system for *Staphylococcus aureus* (MSSA and MRSA) bacteremia to improve clinical outcomes. *Infectious Diseases in Clinical Practice*: September 2016 - Volume 24 - Issue 5 - p e48–e49

26. Figueroa D, **Isache C**, Sands M, Guzman N, An Unusual Case of Acute Transverse Myelitis caused by HSV-1 infection. *IDCases*. 2016 Jun 22;5:29-31. PMID: 27419072

27. Ali R, Perez-Downes J, Baidoun F, Al Turk B, **Isache C** et al. Challenges in treating secondary syphilis osteitis in an immunocompromised patient with a penicillin allergy: case report and review of literature. *Case Rep Infect Dis*. 2016. PMID: 27313920

28. **Isache C**, Sands M, Guzman N, Figueroa D. HTLV-1 and HIV-1 co-infection: A case report and review of the literature. *IDCases*. 2016 Apr 7;4:53-5. PMID: 27144124

29. Figueroa D, Guzman N, **Isache C**. Tuberculous Enteritis: A Rare Complication of Miliary Tuberculosis. *Case Rep Infect Dis*. 2016 Feb 28. PMID: 27022494

30. **Isache C**, McCarter Y. ASCP LabQ Case study - Clinical Laboratory No. 1612 | Microbiology - Jan 2016.

31. Sands M, **Isache C**. Non-cholera Vibrio infections monograph, BMJ Best Practice, Nov 2015. Updated yearly.

32. Sands M, **Isache C**. Hantavirus infection monograph, BMJ Best Practice, Sept 2015. Updated yearly.

33. Baldeo C, **Isache C**, Baldeo C, Bajwa A. A case of disseminated intravascular coagulation secondary to *Acinetobacter lwoffii* and *Acinetobacter baumannii* bacteremia, *IDCases*. 2015 Jun 5;2(3):70-1. PMID: 26793461

PUBLISHED ABSTRACTS

1. Thomas A, Patel R, Davison N, **Isache C**. Extrahepatic Hepatocellular Carcinoma Metastasis Masquerading as a Forehead Hematoma. *J Investig Med* 2019;67:418

2. Hernandez JM, Vahdat K, Rivas JR, Serrano I, Ruiz J, **Isache C**. Bilateral Cavernous Sinus Thrombosis Complicating Pansinusitis in HIV Patient. *J Investig Med* 2019;67:456
3. Verdecia J, Hernandez JM, Izzo C, Sottlie E, **Isache C**. A Side Effect of Ceftaroline in MRSA Meningitis Treatment. *J Investig Med* 2019;67:466
4. Rivas Rios JR, Richardson A, Rivas R, **Isache C**, Franchi F. An Uncommon Cause of Infective Endocarditis. *JACC* March 12, 2019, vol. 73 no. 9 Supplement 1 2572
5. Nelson G, Ruiz J, Gutierrez M, **Isache C**. Cutaneous Histoplasmosis Masquerading as Recurrent Abscesses. *J Investig Med* 2017;65:495
6. Shah S, Richardson A, Baidoun F, **Isache C**, House., Parmar K, Gopinath A. Rhino-Orbital Mucormycosis Presenting in a Diabetic Patient with Diabetic Ketoacidosis. *J Investig Med* 2017;65:499
7. Moradiya Y, Modi S, Paulson J, **Isache C**, Gropen T. National Trends in Therapeutic Hypothermia, Mortality and Resource Utilization After Cardiac Arrest. *Circulation: Cardiovascular Quality and Outcomes*. April 2012;5:A34

ORAL PRESENTATIONS

High Yield Board Review: Infectious Diseases

Core lecture for IM residents – recurs annually

Urinary Tract Infections

Core lecture for IM residents – recurs annually

Fungal Infections

Core lecture for IM residents – recurs annually

CNS Infections

Core lecture for IM residents – recurs annually

Why Do We Need Antimicrobial Stewardship?

Grand Rounds, Internal Medicine Department, UF Health, Jacksonville, Feb 2018

Neurological Infections: A Diagnosis Challenge

Invited Speaker – Jacksonville Area Microbiology Society Annual Meeting, Nov 2017

Skin and Soft Tissue Infections

Invited speaker for Ground Rounds – Podiatry Department, UF Health Jacksonville, Oct 2017

Zika Virus and Other Emerging Infections

2017 Internal Medicine Update, Omni Hotel, Jacksonville, FL, January 2017

Emerging Infectious Diseases

Internal Medicine Grand Rounds, UFHealth Jacksonville, FL, April 2015

Idiopathic CD4 Lymphocytopenia

City Wide Infectious Disease Conference, Jacksonville, FL, July 2014

Infectious Differential Diagnosis of Necrotizing Pharyngitis

Medicine/Pediatrics Infectious Disease Conference, Jacksonville, FL, May 2014

Polyomavirus Associated Nephropathy

Medicine/Pediatrics Infectious Disease Conference, Jacksonville FL, Feb 2014

Lemierre's Syndrome

City Wide Infectious Disease Conference, Jacksonville, FL, Jan 2014

Diagnosis and treatment of *Mycobacterium kansasii* infection

Medicine/Pediatrics Infectious Disease Conference, Jacksonville, FL, Jan 2014

CNS Cryptococcosis

Medicine/Pediatrics Infectious Disease Conference, Jacksonville, FL, Nov 2013

HTLV and HIV Coinfection

City Wide Infectious Disease Conference, Jacksonville, FL, Oct 2013

The Bedside Evaluation: Ritual and Reason

Grand Rounds, Long Island College Hospital, Brooklyn, NY, Dec 2011

POSTER PRESENTATIONS**Lupus nephritis in a young male presenting with arthritis.**

W Kogler, C Canha, AS Stack and C Isache.

Poster presented at AFMR 2020 Southern regional Meeting, New Orleans, LA, Feb 14, 2020

An Uncommon Cause of Infective Endocarditis

Rivas J, Richardson A, Franchi F, Isache C

Poster presented at ACC 68th Annual Scientific Session and Expo, New Orleans, LA, March 2019

A side effect of Ceftaroline in MRSA meningitis treatment.

Verdecia J, Isache C.

Poster presented at AFMR Southern Regional Meeting. New Orleans, LA, Feb 2019

Necrotizing cellulitis from *C. Tropicalis* infection in an immunocompromised host.

Krishnan N, Patel B, Palfrey T, Isache C

Poster presented at 1st Annual North Florida Chapter of the Society of Hospital Medicine Scientific Symposium, Jacksonville, FL - Jan 2019.

A rare case of mold peritonitis in the setting of continuous ambulatory peritoneal dialysis: A look at an emerging human opportunistic pathogen.

Steinberg S, Isache C.

Poster presented at UFHealth Jacksonville, Research Day - May 2018.

Primary Central Nervous System Lymphoproliferative Disorder in a Patient with Cadaveric Renal Transplant.

Hernandez J, Maharaj S, Chique J, Isache C.

Poster presented at UFHealth Jacksonville, Research Day - May 2018

Cytomegalovirus (CMV) Ileitis in a Chron's Disease Patient that is HIV Negative: A Case Report.

Hernandez J, Green K, Serrano I, Isache C.

Poster presented at Society of General Internal Medicine annual meeting, Denver, CO - April 2018

Clinical impact of an Antimicrobial Stewardship initiative evaluating patients with *Clostridium difficile* colitis.

Bishop PA, McCarter YS, Isache C, Jankowski CA.

Poster presented at American Society of Health-System Pharmacists - Midyear Meeting. Orlando, FL - Dec 2017

Economic and clinical impact of blood culture contamination with Gram-positive organisms.

Wright L, Heiner KE, McCarter YS, Isache C, Gautam S, Jankowski CA.

Poster presented at American Society of Health-System Pharmacists - Midyear Meeting. Orlando, FL - Dec 2017

A Classic Case of Human Granulocytic Anaplasmosis in a Vacationer

Horn C, Harris C, Carlson J, Morales JR, Isache C

Poster presented at Southern Hospital Medicine Conference, New Orleans, LA - Oct 2017

Rhino-orbital Mucormycosis Presenting in a Diabetic Patient with Diabetic Ketoacidosis

Shah S, Richardson A, Baidoun F, Isache C, House J, Parmar K, Gopinath A.

Poster presented at AFMR Southern Regional Meeting, New Orleans, LA - Feb 2017

Cutaneous Histoplasmosis Masquerading as Recurrent Abscess

Nelson G, Ruiz J, Gutierrez M, Isache C.

Poster presented at AFMR Southern Regional Meeting, New Orleans, LA - Feb 2017

A Case of Tropical Spastic Paraparesis in a Patient with HIV/HTLV-1 Coinfection

Carmen Isache MD, Shobha Vootukuri MD, Michael Sands MD.

Poster presented for Research Day at UF Health, Jacksonville FL – May 2014

Catamenial Pneumothorax – A Rare Complication of Pneumothorax

Carmen Isache MD, Samia Khan MD, Guy Aristide MD.

Poster presented at AMA meeting – Nov 2012

Scarlet Fever Associated with Otitis Media in an Adult

Samia Khan MD, Carmen Isache MD, Ramin Pirouz MD.

Poster presented at AMA meeting – Nov 2012

Propylene Glycol Intoxication without an Anion Gap Metabolic Acidosis

Ramin Pirouz MD, Carmen Isache MD, Shah Jigar MD. Poster presented at American Thoracic Society Meeting – May 2012

Invasive Mucinous Carcinoma in a Male Breast

Carmen Isache MD, Samia Khan MD, Guy Aristide MD. Poster presented at NYACP Meeting - Sept 2011

Endometriosis with Hemorrhagic Ascites

Samia Khan MD, Carmen Isache MD, Sine Akten MD. Poster presented at AMA meeting - June 2011

RESEARCH

Inpatient Influenza Treatment Outcomes Matter

IRB202000408

PI: Kevin Green, MD

Co-investigators: Carmen Isache MD, Jason Ferreira PharmD, Christopher Izzo DO, Peter Staiano DO.

UF Health Jacksonville Medical Center

Feb 2020 to present

Comparison of Acute Kidney Injury During Treatment with Vancomycin in Combination with Piperacillin-Tazobactam or Cefepime in Patients with Diabetic Foot Infection

IRB201902214

PI: Sarah Piccuirro

Co-investigators: Carmen Isache MD, Christopher Jankowski PharmD, Casapao, Anthony PharmD.

UF Health Jacksonville Medical Center

Sept 2019 to present

Predicting the susceptibility of amoxicillin-clavulanate by extrapolating the minimum inhibitory concentrations of ampicillin-sulbactam, ceftazidime-avibactam and piperacillin-tazobactam in extended-spectrum beta-lactamase producing E.coli urinary isolate

IRB201903177

PI: Carol Halasan, MD

Co-investigator: Malleswari ravi, MD, Carmen Isache, MD, Yvette McCarter, MD, Christopher Jankowski, PharmD.

UF Health Jacksonville Medical Center

Dec 2019 to present

Influence of Antimicrobial Stewardship Programs with and without Molecular Rapid Diagnostic Testing on Extended-Spectrum Beta-Lactamase- and Carbapenemase-producing Bloodstream Infection Outcomes

IRB201901941

PI: Ashlan Kunz Coyne

Co-investigator: Carmen Isache, MD, Christopher Jankowski PharmD, James Morales PharmD, Yvette McCarter PhD.

UF Health Jacksonville Medical Center

Sept 2019 to present

Hematologic Changes in Influenza Infection

IRB201901892

PI: Bijal Patel

Co-investigators: Monique Ebidoye Oye, Carmen Isache

UF Health Jacksonville Medical Center

July 2019 to present

Accuracy and Reliability of Finger Stick Capillary Blood Sampling for Therapeutic Drug Monitoring of Vancomycin Levels and Basic Metabolic Profile

IRB201800858

PI: Sandra Siller

Co-investigators: Megan Brown, Anthony Casapao, Carmen Isache, Christopher Jankowski, Matthew Feldhamer

UF Health Jacksonville Medical Center

March 2018 to present

Evaluating the Impact of Antimicrobial Stewardship Program Quality Initiative on Management of Community-Acquired Pneumonia Treatment Duration

IRB201702113

PI: Geraldo Neziraj PharmD

Co-investigators: Jason Ferreira PharmD, Carmen Isache MD, Christopher Jankowski PharmD

UFHealth Jacksonville Medical Center

Sept 2017 to June 2018

Clinical Impact of an Antimicrobial Stewardship Initiative Evaluating Patients with Clostridium difficile colitis

IRB201702048

PI: Paige Bishop PharmD

Co-investigators: Yvette McCarter PhD, Carmen Isache MD, Christopher Jankowski PharmD

UFHealth Jacksonville Medical Center

Sept 2017 to June 2018

Economic and Clinical Impact of Blood Culture Contamination with Gram-Positive Organisms

IRB201702106

PI: Laurence Wright PharmD

Co-investigators: Kristen Heiner, PharmD, Yvette McCarter PhD, Carmen Isache MD,

Christopher Jankowski PharmD

UFHealth Jacksonville Medical Center

August 2017 to June 2018

Implementation of a quality-of care indicator set into the laboratory reporting system for Staphylococcus aureus (MSSA and MRSA) bacteremia to improve clinical outcomes

PI: Carmen Isache MD

Co-investigators: Michael Sands MD, Yvette McCarter PhD, Nilmarie Guzman MD, Diana

Mercado MD, Candice Baldeo MD, Christopher Jankowski PharmD

UFHealth, Jacksonville, FL

July 2014 to June 2015

EXTRACURRICULAR ACTIVITIES

Jan 2017 – member of Internal Medicine physician team at Jax Health and Fitness Expo

- Health Fair organized at University of North Florida in Jacksonville Florida

PERSONAL INFORMATION

Languages: Romanian, English, Spanish – fluent (spoken, read and written)

Italian, German, French - fair