

**Carmen L. Isache, MD**  
655 West 8<sup>th</sup> Street, Jacksonville, FL 32209  
Phone: 646-306-8201  
Email: carmen.isache@jax.ufl.edu

## **EDUCATION**

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### **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**

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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**

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### **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**

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Member, Infectious Disease Society of America

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

## **AWARDS**

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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**

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1. Jankowski C, Casapao A, Siller S, **Isache C**, Cani K, Claudio A, Brown M, Milstid B, Feldhammer 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 Investig 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, Sokanovic 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 Iwoffii 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**

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### **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**

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**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 68<sup>th</sup> 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

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**RESEARCH**

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**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 Piccirro

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 Feldhammer

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**

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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**

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

Italian, German, French - fair