



# Research and Quality Improvement Day

Wednesday, May 18, 2022

12:00 PM – 4:00 PM

Creation Conference Room  
and Werner Auditorium

May 18, 2022

Welcome to the 9<sup>th</sup> Annual Graduate Medical Education Research & Quality Improvement Day. We are glad you have taken the time to join us.

The mission of the Graduate Medical Education Research Department is to create a multidisciplinary and collaborative environment to stimulate and support high-quality scholarly activities within our department. Our goal is to advance quality of care and patient-related outcomes by providing residents and faculty with the resources, knowledge, and infrastructure to plan and conduct transformative biomedical research. These research activities support the continued accreditation of our programs and help us produce clinicians with a lifelong interest in scientific inquiry and process improvement.

GME Research Day contributes to this goal by providing a forum for the Residency programs to come together and showcase the outstanding scholarly achievements that have been submitted and presented regionally and nationally over the past year.

Over the last eight years, our program has continued to grow, which speaks to the volume of projects that the Residency programs are working on to elevate patient care and outcomes.

As you participate in today's event, we hope that you will have the opportunity to review research presentations, interact with the research contributors, and leave with an appreciation of the effort and knowledge that our Faculty, Residents, and Fellows contribute to AdventHealth's mission and vision.

Warm Regards,

A handwritten signature in blue ink, appearing to read "J. Portoghese", is written above a horizontal line.

Joseph Portoghese, MD, FACS

CAO & DIO





# AGENDA

Graduate Medical Education

May 18, 2022

Research and Quality Improvement Day

12:00 pm – 4:00 pm

12:00 pm - 12:30 pm Light Lunch

Creation Lobby

12:30 pm – 2:00 pm Oral Presentations

Werner Auditorium

12:30 pm – 12:33 pm Introduction, Joseph Portoghese, MD

12:35 pm – 12:47 pm Saleh Hasan, MD; *Emergency Medicine*

12:49 pm – 1:01 pm Daniel A. Farinas Lugo, MD, *General Surgery*

1:03 pm – 1:15 pm Na Zhou, MD, *Internal Medicine*

1:17 pm – 1:29 pm Marlene Fernandez, DO, *Pediatrics*

1:31 pm – 1:43 pm James Nguyen, MD, *Cardiovascular Disease Fellowship*

1:45 pm – 1:57 pm Nnamdi I. Gwacham, DO, *Gynecologic Oncology Fellowship*

1:59 pm – 2:00 pm End of podium presentations

2:00 pm – 2:15 pm Break

Creation Lobby

2:00 pm – 3:30 pm Poster Presentations Viewing  
Presenters must be stationed at Posters

Creation Conference  
Rooms

3:30 pm-4:00 pm Award Presentations

Werner Auditorium

\*\* Times are subject to change

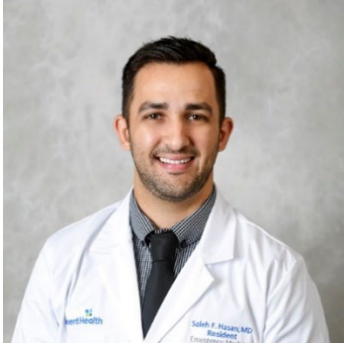


**Podium  
Presentations  
Werner  
Auditorium**

**1. Effectiveness of Emergency Department Initiated Glycemic Control**

Saleh Hasan, MD; Nathan Weagraff, MD; Andrew Little, DO; Peter Alamia, DO

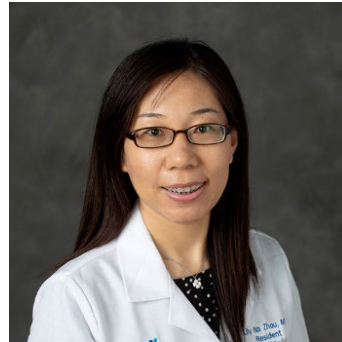
***Emergency Medicine***



**3. A case of transient hyperthyroidism of hyperemesis gravidarum complicated by acute hepatic injury successfully treated with plasmapheresis**

Na Zhou, MD; Feng Zhang, MD, PhD; Cyril Kuriakos, MD; Dwayne Gordon, MD; Amay Parikh, MD

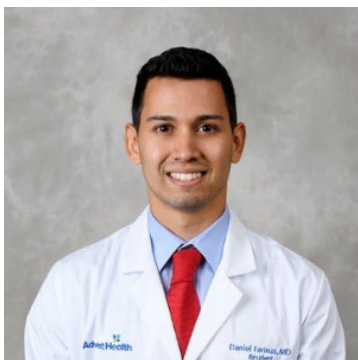
***Internal Medicine***



**2. Management of Complex Painful Postoperative Wounds**

Daniel Farinas Lugo, MD; Raegan Taylor, PA-C; Ron Sotomayor, RN, CWOCN; Tammy Lichtman, RN, BSN, CWON; Rosalyn Barnabee, BSN, WON; Jeffrey Chiu, MD, FACS; Marcus Darrabie, MD, FACS

***General Surgery***



**4. Better Antibiotic Selection in Children (BASIC) for Urinary Tract Infection Management at AdventHealth for Children**

Marlene Fernandez DO; Chantal Soobhanath, MD; Shani Cunningham, DO

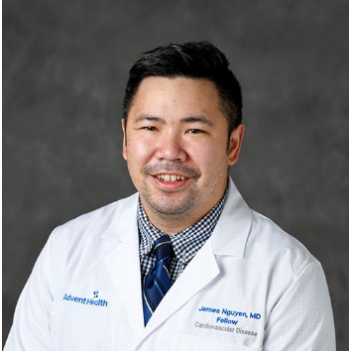
***Pediatrics***



## 5. When Being Right Makes Things Difficult

James Nguyen, MD,  
Xuan Guan, MD, PHD,  
Marco Shaker, MD,  
Rodrigo Do Lago, MD,  
Shravan Ambati, MD

### ***Cardiovascular Disease Fellowship***



## 6. Malignant peritoneal cytologic contamination with robotic hysterectomy for endometrial cancer

Nnamdi I. Gwacham DO, Karolina A. Kilowski DO, Fernando D. Recio MD, Ahmad Awada MD, Ameya Patel, Jackson Holloway, Nathalie D. McKenzie MD, Sarfraz Ahmad PhD, James E. Kendrick MD, Robert W. Holloway MD

### ***Gynecologic Oncology***







# Basic and Clinical Research



1. Investigation of cleft palate repair outcomes in patients with 22q11 deletion syndrome: An ACS NSQIP Pediatric analysis

Joshua Spiegel, MD; Andrew Broda, BS; Emily Littman, BS; Rajendra Sawh-Martinez, MD  
*General Surgery*

2. Impact of Comorbidities on Length of Stay and Hospitalization Costs in Patients Undergoing Laparoscopic Cholecystectomy

Kevin Wissinger, MD; Daniel Farinas, MD; Jingwei Sun, PhD; Steve Eubanks, MD  
*General Surgery*



# Quality Improvement



1. JEDI- Justice, Equity, Diversity, and Inclusion: A Quality Improvement Project  
Caio Freitas, MD; Arianne Alexander, MD; Gurdeep Singh, DO; Alexandra Lajeunesse; Shani Cunningham, DO  
*Pediatrics*
2. Telemedicine during COVID19 in Residency clinic  
Annie Suh, MD  
*Family Medicine, Winter Park*
3. Improving the Compliance to the A1c Quality Metric Among Our Clinic's Patient Population  
Chloe Kindred, MD, Raj Mehta, MD  
*Family Medicine, Winter Park*
4. Depression Trends during COVID  
Michael Ignell, MD  
*Family Medicine, Winter Park*
5. Evaluating Social Needs in Our Patient Populations and Implementing Assistance  
Rick Arias, MD  
*Family Medicine, Winter Park*
6. Improving the Rate of Vitamin B12 Screening in Patients on Metformin  
Shabnam Siddiqui, MD  
*Family Medicine, Winter Park*
7. Single-Center 5-year Freedom from Type III Endoleak using Endologix AFX Endovascular AA System  
Bradley Pansing, MD; Alan Wladis, MD; Alberto Monreal, MD; Joshua Spiegel, MD  
*General Surgery*
8. Evaluating the Need of Surgical Prehabilitation at AdventHealth for Ventral Hernias  
Hunter Meyer, MD; John Hoff, MD; Ashley Mila-Hoff, MD; Steve Eubanks, MD; Scott W. Bloom, MD  
*General Surgery*
9. Primary Care Provider's Trends Towards Patient-Specialist Language Concordance  
Alejandro Pelaez, MD  
*Family Medicine, Winter Park*



10. Better Antibiotic Selection in Children (BASIC): Skin and Soft Tissue Infection  
Callie Alt, MD; Shani Cunningham, DO  
*Pediatrics*
11. QI Project: SubOccipital Release as an Adjunct Therapy in Hospice patients  
Yuliya Zamota, DO; Dominick Mastroianni, MD; Michelle Covington, MD; Eric Moore, MD  
*Hospice and Palliative Medicine*
12. Peer Mentoring in Medical Education  
Barbara Braz, MD; Katelyn Hernandez, DO; Samantha Carroll, MD  
*Pediatrics*
13. Consolidated Preventative Measures to Improve the Care of Medicare Beneficiaries  
Arianne Alexander, MD; Inaam Hashim; MD, Yuchen Jiang; MD, Arooj Mian; MD, Gabriela De La Hoz, MD  
  
*Internal Medicine*
14. Improving Cervical Cancer Screening in the Primary Care Setting  
Arianne Alexander, MD; Inaam Hashim, MD; Yuchen Jiang, MD; Arooj Mian, MD; Gabriela De La Hoz, MD  
*Internal Medicine*
15. Promoting Literacy as Primary Care Pediatricians via the Reach Out and Read Program Model  
Emma Mancini, MD; Melinda Chance, MD; Victoria Larson, MD  
*Pediatrics*
16. Better Antibiotic Selection in Children (BASiC) in regards to Community Acquired Pneumonia  
Feras Hares, MD; Ricardo Castillo Galvan, MD; Shani Cunningham, DO  
*Pediatrics*
17. Breastfeeding Education for Pediatric Residents  
Melinda Chance, MD; Anniesha Noel, MD,  
*Pediatrics*
18. Identifying Communications Barriers in the Hospital: The Incorporation of iPASS into Family Centered Rounds  
Philip Jay Mendez Frayre, MD; Marlene Fernandez, DO; Audrey Merrill, MD; Stacy McConkey, MD  
*Pediatrics*

19. Expected Image Findings Following MRI-guided Laser Interstitial Thermal Therapy for Epilepsy

Jacob Bermudez, MD; Sean Dodson, MD; Richard D. Beegle, MD

*Radiology*

20. Addition of a Standardized Titration Protocol on the Incidence of Paclitaxel Infusion Related Hypersensitivity Reactions

Kofi Sefah, PharmD; Sarah Gifford, PharmD, BCOP; Angela Grove, PharmD, BCOP; Robert Holloway, MD, FCOG, FACS; Karolina Kilowski, DO; Jon Shaffer, PharmD, BCOP

*Oncology/Pharmacology*



# Case Studies



1. Percutaneous closure of left ventricular pseudoaneurysm  
Xuan Guan, MD; James Nguyen, MD; Marco Shaker, MD; Jose Arias, MD  
*Cardiovascular Disease Fellowship*
2. Ovarian Torsion with Non-classical Features  
Bryce Hoer, MD; Andrew Little, DO; Yuchen Duan, MD  
*Emergency Medicine*
3. The Diagnostic Conundrum of a Brain Abscess  
Jessica Rose, DO; Caroline M. Molins, MD, MSED  
*Emergency Medicine*
4. Posterior Reversible Encephalopathy Syndrome Complicated by an Elevated Troponin  
Joseph Ray, MD; Jacqueline Lee; Kevin Tomecsek, MD  
*Emergency Medicine*
5. The Rash of all Rashes  
Melissa Sayegh, MD; Caroline M. Molins, MD, MSED  
*Emergency Medicine*
6. Case of a Broken Heart  
Shannon Caliri, DO; Kristina Jacomino, MD  
*Emergency Medicine*
7. Right Foot Gas Gangrene with Myiasis: Survival to Discharge without Surgical Intervention  
Tyler Mills, DO  
*Emergency Medicine*
8. "Thinking Zebras not Horses: The Diagnosis and Management of Giant Cell Arteritis in the ER"  
Yuchen Duan, MD; Shayne Gue, MD; Justo Alvarez  
*Emergency Medicine*
9. An analysis of an enlarging Mycotic abdominal aortic aneurysm in the setting of salmonella enteritis  
Rodrigo Urcia, DO  
*Family Medicine Winter Park*
10. A Case of Pemphigus Vulgaris  
Gilberto Vega-Martinez, MD  
*Family Medicine Residency*

11. Healing from trauma – Effect of platelet-rich plasma on post-traumatic neck injury resulting in muscle spasm  
Xiawei Zhong, DO; Varna Davalath, PGY III; Arlene O'Donnell, DO  
*Family Medicine East Orlando*
12. Contaminated Eye Drops as a Potential Cause of Meningitis  
Xiawei Zhong, DO; Varna Davalath, PGY3; Braden Shlansky, PGY 2; Shing-yu Lin, MD; Arlene O'Donnell, DO  
*Family Medicine East Orlando*
13. Thyrotoxic Periodic Paralysis Resistant to Potassium Supplementation  
Kurt Lowartz, MD; Raj Mehta, MD  
*Family Medicine Winter Park*
14. Pancreatic Neuroendocrine Hyperplasia associated with VIPoma Syndrome  
Chunghun Ji, MD; Sebastian De La Fuente, MD; Steve Eubanks, MD  
*General Surgery*
15. Strangulation of a Meckel's diverticulum in an internal hernia, A Case Report  
Ashley Mila-Hoff, MD; John Hoff, MD; Martin Uwah, MD; Scott Bloom, MD  
*General Surgery*
16. Pectus Excavatum Recurrence from COVID-19 Infection: A case report.  
Daniel Farinas Lugo, MD; Christopher Anderson, MD; Caroline Molins, MD, MSMEd  
*General Surgery*
17. An Uncommon Cause of a Common Presentation: Herlyn-Werner-Wunderlich Syndrome Presenting as Acute Appendicitis  
Jacob Friedman, MD  
*General Surgery*
18. Intussusception due to Meckel's diverticulum in an adolescent  
Katherine Carson, MD  
*General Surgery*
19. Coiling of a ventriculoperitoneal shunt catheter inside a ruptured saline breast implant requiring shunt revision and implant explantation  
Lyndsay Kotarba, MD  
*General Surgery*

20. Primary parotid lymphoepithelial carcinoma: A case report and literature review of a rare pathological entity

Martin Uwah, MD; Mariano Sorrentino, MD; Scott Magnuson, MD

*General Surgery*

21. Dysphagia and Subcutaneous Emphysema as Presenting Signs of Perforated Diverticulitis

Michelle McCullers, MD; Fahd Ali, MD; Marcus Darrabie, MD; Joshua Goldberg, MD;

Michael Gregg, MD; Georg Wiese, MD

*General Surgery*

~~22. Infant with Pancreatic Pseudocyst Requiring Roux-En-Y Cystojejunostomy~~

~~Morgan Brazelle, MD; Aleksander Bernshteyn, MD; Sebastian De La Fuente, MD; Elliot~~

~~Toy, MD~~

~~*General Surgery*~~

23. Repair of a common hepatic artery aneurysm using a bovine carotid artery graft.

Shawn Moore, MD; Sebastian De La Fuente, MD; David Varnagy, MD

*General Surgery*

24. Milky Ascites; A Diagnostic Dilemma

Baha Aldeen Bani Fawwaz, MD; Aimen Farooq, MD; Abu Hurairah, MD

*Internal medicine*

25. Congenital Porto-systemic Shunt and Hepatocellular Carcinoma; A Rare Malformation

Baha Aldeen Bani Fawwaz, MD; Aimen Farooq, MD; Sadaf Raoo,f MD; Manoucher

Manoucheri, MD

*Internal Medicine*

26. Acute Pancreatitis caused by Gastrojejunostomy Tube Manipulation

Gurdeep Singh, MD; Aimen Farooq, MD; Arooj Mian, MD; Sadaf Raooof, MD; Asef

Mahmud, MD; Baha Aldeen Bani Fawwaz, MD

*Internal Medicine*

27. Multisystem Inflammatory Syndrome in an Adult after REGEN-COV infusion

Gurdeep Singh, MD; Robert Ryad, MD; Raphael S. Itzkowitz, DO; Edward Raymond

Maharam, MD

*Internal Medicine*



28. Secondary hypertension due to underlying Takayasu Arteritis  
Phuong Minh Nguye, MD; Summia Matin Afridi, MD; Wen Wang, MD; Ahmad Raja, MD;  
Baha Sumbul Yuksel, MD  
*Internal Medicine*
29. Atypical presentation of intussusception in a patient with Peutz-Jeghers syndrome  
Raphael S. Itzkowitz, DO; Aimen Farooq, MD; Gurdeep Singh, MD; Arooj Mian, MD  
*Internal Medicine*
30. Dermatomyositis flare-up following BNT162b2 mRNA COVID-19 Vaccination: A case report  
and literature review  
Robert Ryad, MD; AlSayed Osman, MD; Ahmed Al Musa, MD; Peter Gerges, MD; Bahar  
Sumbul-Yuksel, MD  
*Internal Medicine*
31. 73-Year Old Male with Chronic Epigastric Pain and Weight Loss  
Zachary Aulgur, MD; Midhir Patel, MD  
*Radiology*
32. Building a Bridge to Nowhere: ECMO an Exciting Technology that Blurs the Line Between  
Life and Death  
Farhana Chowdhury, MD; Dominick Mastroianni, MD  
*Palliative Care*
33. A Previously Healthy Child with Rapidly Worsening Extremity Pain, Swelling, and Erythema  
Marlene Fernandez, DO; Claudia Moraga, BS; Akram Al Husaini, MD; Francisco Rivera-  
Palacios, MD; Fatma Levent, MD  
*Pediatrics*
34. Nexplanon's Mystery Migration to the Lungs  
Daniel Malek, MD; Andrew Dakkak, MD; Midhir Patel, MD  
*Radiology*
35. Intracranial Migration of intraocular silicone mimicking subarachnoid hemorrhage  
Andrew Dakkak, MD; Daniel Malek, MD; Asif Bhimani, MD  
*Radiology*
36. Transient flattening of the abdominal aorta and gastroesophageal intussusception  
secondary to severe active vomiting  
Andrew Dakkak, MD; Hieu Diep, MD; Brett Gutterman, MD  
*Radiology*

37. Anaphylactic-Like Reaction with Angioedema Leading to a Diagnosis of Childhood-Onset Systemic Lupus Erythematosus: An Unusual Presentation in a Teenager.

Caio Freitas, MD; Akaluck Thatayatikom, MD

*Pediatrics*

38. Case Report: Cerebral Venous Thrombosis in an Adolescent Diagnosed with COVID-19

Callie Alt, MD; Monica Janine Lee, MD; Fouad Hajjar, MD

*Pediatrics*

39. Severe Wernicke Encephalopathy with Concomitant Central Pontine Myelinolysis a Rare Imaging Finding

Herron Gomillion, MD; Sean Dodson, MD; Richard D. Beegle, MD; Bing Wang, MD

*Radiology*

40. Preoperative Accurate Diagnosis of Cholecystocolic Fistula with concomitant Mirizzi Syndrome: Tc99m Mebrofenin NM Hepatobiliary Duct System Imaging Findings

Herron Gomillion, MD; Jess Graham, MD

*Radiology*



# Education



1. Evaluating Primary Care Providers Implementation of in Office Point-of-care Ultrasound to Screen for Abdominal Aortic Aneurysms  
Allan Herman, MD  
*Family Medicine Winter Park*
2. Ectopic Pregnancy: Clinical Management and Imaging Review of Cases from AdventHealth  
Lin Luo, MD; Soumendro Goswami, MD  
*Radiology and Family Medicine Winter Park*
3. Adult ADHD in the Primary Care Setting: Can We Do Better?  
Preksha Shukla, MD  
*Family Medicine Winter Park*
4. The Great General Governing Gestalt for Primary Prenatal Providers (G4P3)  
Jennifer Jiang, MD; John Lenahan, MD  
*Family Medicine Winter Park*
5. Evaluating the efficacy of surgical consent  
Carlos Delgado, MD; Michelle McCullers, MD  
*General Surgery*
- ~~6. Literature on target therapy of malignant melanoma  
Mohammad Ali Esmail Pour, MD; Ali Amin, MD, Pathologist at Brown University, RI; Azadeh Khayyat, MD, Essen Healthcare, NY; Amir-Reza Khalili-Toosi, MD, PA (CCCPA), Saint Paul Hospital, lower mainland  
*Internal Medicine*~~
7. Advanced skin BCC with metastasis to bone and the efficacy of the novel treatments  
Mohammad Ali Esmail Pour, MD; Ali Amin, MD, Pathologist at Brown University, RI; Azadeh Khayyat, MD, Essen Healthcare, NY; Amir-Reza Khalili-Toosi, MD, PA (CCCPA), Saint Paul Hospital, lower mainland, Pathology medicine, BC, Canada  
*Internal Medicine*
8. Pelvic Emergency: Recognizing Adnexal Torsion  
Matthew Burger, MD; Midhir, Patel MD  
*Radiology*
9. Pediatric Emergency Medicine Podcasts: Current Status  
Ricardo Hernandez, MD; Andrew Little, MD; Yaron Ivan, MD; Eva Esperanza, MD  
*Emergency Medicine*



## *SPECIAL THANK YOU TO OUR JUDGES*

**Sarfraz Ahmad, PhD, FAACC, FABAP, AdventHealth Gynecologic Oncology**

**Leana Goncalves Araujo, PhD, AdventHealth University, Research Officer**

**Scott Bloom, MD, AdventHealth Vice Chief Academic Officer, General Surgery Residency**

**Karen Corbin, PhD, Translational Research Institute**

**Steve Eubanks, MD, AdventHealth, Orlando**

**Chia-Wei Fan, PhD, AdventHealth University Faculty**

**Stephen Gardell, PhD, Translational Research Institute**

**Kamini Geer, MD, AdventHealth Family Medicine- Osteopathic**

**Bret Goodpaster, PhD, Translational Research Institute**

**Jeanette Green, PhD, AdventHealth Research Institute**

**Victor Herrera, MD, AdventHealth Internal Medicine**

**Edward Jackson, MD, AdventHealth Family Medicine- Osteopathic**

**Kapil Kapoor, MD, AdventHealth Cardiovascular Research Institute**

**Sally Litherland, PhD, AdventHealth Research Institute**

**Dominick Mastroianni, MD, AdventHealth Hospice and Palliative Care Residency**

**John Monson, MD, AdventHealth Digestive Health & Surgery Institute**

**Steven Nazario, MD, AdventHealth Emergency Medicine Residency, Program Director**

**Patricia Robinson, PhD, AdventHealth Research Institute**

**Mohtashem Samsam, MD, PhD, AdventHealth University, Director of Research**

**Amanda Sawyer, PhD, AdventHealth Research Institute**

**Timothy Spruill, MD, EdD, AdventHealth Center for Family Care**

**Hong Tao, PhD, AdventHealth, Center for Academic Research Excellence**





*We would like to extend  
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Graduate Medical Education  
Research Day*





# **Graduate Medical Education**

## **2022**