



Research and Quality Improvement Day

Wednesday, May 19, 2021

12:00 PM – 4:00 PM

Creation Conference Room
and Werner Auditorium

May 19, 2021

Welcome to the 8th 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 not only support the continued accreditation of our programs but 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.

Our hope is that as you participate in today's event, 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 black ink, appearing to read "J. Portoghese", written over a horizontal line.

Joseph Portoghese, MD, FACS

CAO & DIO



AGENDA

Graduate Medical Education
Research and Quality Improvement Day

May 19, 2021
12:00pm – 4:00pm

12:00pm - 12:30pm Light Lunch

Creation Lobby

12: 30pm – 2:00pm Oral Presentations

Werner Conference Room

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

12:35pm – 12:47pm | Trudy-Ann Alston, DO, *Family Medicine Osteopathic*

12:49pm – 1:01pm | Elliot Toy, MD, *General Surgery*

1:03pm – 1:15pm | Madhavi Manyam, DO, *Gynecologic Oncology*

1:17pm – 1:29pm | Shani Cunningham, DO, *Pediatrics*

1:31pm – 1:43pm | Matthew Goldstein, DO, *Pediatrics*

1:45pm – 1:57pm | Justin Brady, MD, *Colon & Rectal Surgery*

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

2:00pm – 2:15pm Light Lunch

Creation Lobby

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

Creation Conference
Rooms

3:30pm-4:00pm Award Presentations

Werner Conference Room

** Times are subject to change

Oral
Presentations
Werner
Auditorium

1. Disseminated Hemorrhagic Rash in an Immunocompromised Host

Trudy-Ann Alston, DO; Edward Jackson, MD

Family Medicine Osteopathic Residency

2. Hyperthyroid Induced Cardiac Failure Requiring Intra-Aortic Balloon Pump During Thyroidectomy

Elliot Toy, MD; Alberto Monreal, MD; Joseph Reza, MD; Joseph Portoghese, MD

General Surgery Residency

3. Intravenous Uterine Leiomyomatosis with Right Atrial Obstruction and Congestive Heart Failure: A Multidisciplinary Surgical Approach

Madhavi Manyam, DO; Nnamdi I. Gwacham, DO; Christine K. Fitzsimmons, MD; Karolina A. Kilowski, DO; Sarfraz Ahmad, PhD; Tomer Z. Karas, MD; David L. Varnagy, MD; Robert W. Holloway, MD

Gynecologic Oncology Fellowship

4. Anaplastic Large Cell Lymphoma Masquerading as a Skin Infection

Shani Cunningham, DO; Feras Heras, MD; Matthew Goldstein, DO

General Pediatrics Residency

5. Utilizing a standardized pain and agitation protocol for intubated patients in the pediatric ICU

Matthew Goldstein, DO; Deborah Maka, PharmD; Jonathan Chan, MD

General Pediatrics Residency

6. Over utilization of adjuvant chemotherapy in early onset Rectal Cancer patients: A National Profile

Justin Brady, MD; Meghan C. Daly, MD; Jesse P. Wright, MD; Manasi Parikh, MD, MSc; Yuan Du, MS; John RT Monson, MD

Colon and Rectal Surgery Fellowship

Basic and Clinical Research

1. Post-operative outcomes in patients receiving BioD G3 during colorectal resections- a pilot study
Meghan Daly, MD; Manasi Parikh, MD, MSc; Jeremy Drake, MD; Norbert Garcia-Henriquez, MD; Jesse Wright, MD; John RT Monson, MD; Daniel Galante, DO
Colon and Rectal Surgery
2. Comparing health outcomes for hospitalized toxic megacolon patients in urban and rural healthcare facility setting: a nationwide study
Alex Elias, MD; Manasi Parikh, MD; John R.T. Monson, MD; Bruce Orkin, MD
Colon and Rectal Surgery
3. Do ED Residents have as much Attention Deficit Hyperactivity Disorder
Misty Coello, MD; Bob Cambridge. DO, Yuan Du
Emergency Medicine Residency
4. Comorbidities associated with exclusion and inclusion for thrombolytic therapy in stroke patients with a history of obstructive sleep apnea
Bianca Stewart, MD; Krista Knisely, MD, Carolyn Breana Sanders, MD, Camron Edrissi, MD, Chase Rathfoot, MD, Nicolas Poupore, Melissa J. Bailey-Taylor, MD, Thomas Nathaniel, PhD
Family Medicine – Osteopathic
5. Is Detection of Hypermethylated Septin 9 DNA the "Test of Choice" for the non-adherent unscreened?
Marni Venter, MD; Alexander Fishberg, MD
Family Medicine – Osteopathic
6. The Impact of Mask Wearing Ordinances on COVID-19 Prevalence in the Orlando Metro Area
Eli Friedman, MD
Family Medicine – Osteopathic
7. Vitamin D Supplement after Fracture
Brianna Wynne, MD; Robin Creamer, DO, FAAFP
Geriatric Medicine Fellowship
8. Factors Determining Patient Discharge Destination after Pancreatectomy
Kevin Wissinger, MD; Martin Uwah MD, Joseph Reza MD, Jiajing Wang (MS), Armando Rosales MD, J. Pablo Arnoletti MD
General Surgery Residency
9. Components of High Resolution Manometry that Change Surgical Decisions
Carlos Delgado, MD; George Weiss, MD; Paula Veldhuis; Irteza Inayat, MD; Steve Eubanks, MD
General Surgery Residency
10. Incidence of Vascular Surgical Emergencies during Covid-19 Pandemic
Evan Westrick, MD; Alan Wladis, MD
General Surgery Residency

11. Thirty Day Readmission Rate for Septugenarians and Octagenarians Undergoing Laparoscopic Foregut Surgery
Hunter Meyer, MD; Steve Eubanks, MD; Paula Veldhuis
General Surgery Fellowship

12. Incremental cost effectiveness of ECMO as a bridge to cardiac transplant or left ventricular assist device placement in patients with refractory cardiogenic shock
Joseph Reza, MD; Bradford Ledzian; Jingwei Sun, PhD; Scott Silvestry, MD
General Surgery Residency

13. Tracheostomy In Mechanically Ventilated COVID-19 Positive Patients
Joshua Spiegel, MD; Alberto Monreal, MD; Patrick Meyer, MD; Elliot Toy, MD; Scott W. Bloom, MD;
Fahd Ali, MD; Marcus D. Darrabie, MD; Joshua Goldberg, MD
General Surgery Residency

14. Understanding Industry's Payments to General Surgeons
Rizwan Ahmed, MD; Daniel Bolton, MD, Jingwei Sun, Phd, Paula Veldhuis, Scott Bloom, MD
General Surgery Residency

15. Hypertriglyceridemia in Mechanically Ventilated COVID-19 Patients
Shawn Moore, MD; Patricia R. Louzon, PharmD; Martie Vincent, PharmD; Shawn Moore, MD;
Caitlin Thomas, PharmD; Leslie Wooten, PharmD; Fahd Ali, MD
General Surgery Residency

16. Feasibility of a telemedicine lifestyle-based rehabilitation program (HEAL) for gynecologic cancer patients
Nnamdi I Gwacham, DO, MS; Nathalie McKenzie MD, Julie Pepe PhD, Sarfraz Ahmad PhD,
Robert Holloway MD, James Kendrick MD
Gynecologic Oncology Fellowship

17. The Mortality of MET Exon 14 Low and High Expression in Non-Small C
James Wert, MD; Jeff Chang, MD PhD, Jian Guan MD PhD
Internal Medicine Residency

18. Lessons Learned From SARS-CoV 19 Pandemic; Can Wearing a Mask Be an Effective Strategy to Help Curb Down Influenza Rates and Potentially Mortality in The High-Risk Population?
Ahmad Almusa, MD; Alsayed Osman, MD; Vincent Hsu, MD; Jian Guan, MD
Internal Medicine Residency

Quality Improvement

1. Direct Observation Teaching Shifts (DOTS): An Approach to Using 360-degree Assessments
Caroline Molins, MD, MSMEd; Dr. Carmen J Martinez Martinez MD MSMEd
Emergency Medicine Residency
2. Off-Service Rotator Perceptions on their Preparedness to work in the Emergency Department
Samuel Muniz, MD; Thomas Lawyer MD, C. Martinez Martinez MD MSMEd,
Caroline Molins, MD, MSMEd
Emergency Medicine Residency
3. The Value of the Patient Centered Home
Leslie Bruce, MD; Raj Mehta, MD
Family Medicine – Allopathic
4. Recognizing the Role of the Patient Centered Medical Home
Jumana Al-Deek, DO; Raj Mehta, MD
Family Medicine – Allopathic
5. A Review of Hematologic Malignancies
Anusha Jagadish, DO; Raj Mehta, MD
Family Medicine – Allopathic
6. General Surgery Training during the COVID-19 Pandemic: The AdventHealth Orlando General Surgery Residency Experience
Alberto Monreal, MD; Joshua D Spiegel, MD MPH; Rizwan Ahmed, MD; Steve Eubanks, MD; Scott Bloom, MD
General Surgery Residency
7. Training leaders - A new approach to leadership training in Surgical residency
Daniel Bolton, MD; Scott Bloom, MD
General Surgery Residency
8. Efficacy of a Mindfulness-based Program on Surgeon Quality of Life
Kathy Carson, MD; Daniel Bolton, MD; Scott Bloom, MD
General Surgery Residency
9. Improving the transition of care from ICU to the step-down unit
Mengni Guo, MD; Xuan Guan MD, Sumayyah Shah MD, Luis Isea Mercado MD, Jian Guan MD, Dwayne Gordon MD
Internal Medicine Residency

10. Comparison of Performance Metrics in a Teaching ICU vs Non-Teaching ICU
Alexandra Lackey, MD; Zohaib Ahmed, MD; Naumaan Hafeez, MD; Brandon Kalivoda, MD; Aashish Mainali, MD; Bhumi Patel, MD; Vasily Simaev, MD; Martin Cearras, MD; Jian Guan, MD
Internal Medicine Residency

11. Assessment and Improvement of Depression Screening Rates in the AdventHealth Orlando Internal Medicine Outpatient Clinic with the Application of Patient Health Questionnaires
Bo Deng, MD; Bo Deng MD, PhD, Xia Zhou MD, PhD, Xuan Guan MD, PhD, Rima Shobar MD, MS, John Taylor, MD, Karen Echeverria-Beltran MD, Manoucher Manoucheri MD
Internal Medicine Residency

12. Cause Analysis of Loss to Follow Up in an Internal Medicine Resident Continuity Clinic
Na Zhou, MD; Zohaib Ahmed, MD; James Wert, MD; Ahisan Ansari, MD; Jieying Liu, MD;
Peter Gerges, MD; Baha Fawwaz, MD; Mohammad Ali Esmaeli Pour, MD;
Syeda Taliya Rizvi, MD; Karen Echevarria, MD; Jian Guan, MD
Internal Medicine Residency

13. Training of Internal Medicine Residents in Diagnosing Rheumatoid Arthritis & Starting Methotrexate Using Multidisciplinary Lectures
Alsayed Osman, MD; Ranjeet Kumar, MD, Ahmad Almusa, MD, Alexandra Lackey, MD,
Bahar Sumbul Yuksel, MD, Jian Guan, MD, PhD
Internal Medicine Residency

14. Palliative Care tool for Advance Care Planning discussions with patients and family members with the diagnosis of Dementia and Alzheimer's disease in the outpatient Memory Care Clinic setting
Jeannette Rosales-Zincone, MD; Rosemary Laird MD, David Buxton MD,
Dominick Mastroianni MD
Hospice and Palliative Medicine Fellowship

15. Bedside Algorithm for Monitoring Duration of Event Free Days Prior to Discharge in Preterm Infants with Apnea, Bradycardia and Desaturation
Melissa Tyree, MD ; Kathy Ho; Carlos Carmona, DO; Fanchao Yi, MS; Julie Pepe, PhD;
William Oh, MD
Faculty, General Pediatrics Residency

16. Standardization of Fluids in Inpatient setting (SOFI), Implementation, and Monitoring
Barbara Braz, MD; Feras Hares, MD; Chelsea Hawthorne DO, Caio Freitas, MD
General Pediatrics Residency

17. Peer Mentoring in Medical Education
Ella Uwaibi, MD; Barbara Braz, MD; Samantha Carroll, MD
General Pediatrics Residency

18. Promoting Literacy as Primary Care Pediatricians via the Reach Out and Read Program Model
Emma Mancini, MD; Adriana Delgado-Alvarez, DO; Emma Mancini, MD; Chelsea Hawthorne, DO
General Pediatrics Residency

19. Identifying Communications Barriers in the Hospital: The Incorporation of iPASS into Family Centered Rounds
Jay Frayre, MD; Marlene Fernandez, DO; Carlos Carmona, DO; Stacy McConkey, MD;
Touleen Aly, MS4; Akram Farran, MS4
General Pediatrics Residency

20. Better Antibiotic Selection in Children (BASiC) in regards to Community Acquired Pneumonia
Lindsay Kotarba, MD; Feras Hares, MD; Shani Cunningham DO
General Pediatrics Residency

21. Better Antibiotic Selection in Children (BASiC) for Urinary Tract Infection Management at AdventHealth for Children—A Quality Improvement Project
Marlene Fernandez, DO; Hares Fares, DO; Chantal Soobhanath, MD; Shani Cunningham, DO
General Pediatrics Residency

22. Breastfeeding Education for Pediatric Residents
Abigail Adair-Dimmick, MD
General Pediatrics Residency

23. Pediatric Residency Handbook at AdventHealth for Children
Melissa Zegarra Bustamante, MD; Chantal Soobhanath MD
General Pediatrics Residency

24. Better Antibiotic Selection in Children (BASiC): Skin and Soft Tissue Infection
Monica Lee, MD; Callie Alt, MD
General Pediatrics Residency

Case Studies

1. A Case of Pericardial Effusion with tamponade after Percutaneous Coronary Intervention
Elizabeth Janevski, MD; Jerome Clayton, MD
Emergency Medicine Residency

2. Haemophilus Parainfluenza Cerebral Embolism: A Case Report of a Young, Healthy Patient with Stroke-Like Presentation in the Emergency Department
Jon Risovas, MD; Katia Lugo MD FACEP FAAEM; Adrian Mati, B.S.
Emergency Medicine Residency

3. Cryptococcus Meningitis in Healthy Pediatric Patient
Misty Coello, MD; Ricardo Hernandez, MD; Amanda Roycik, MD
Emergency Medicine Residency

4. A Wave of Darkness and Flashing Lights
Yasmany Cartaya, MD; Caroline Molins, MD; Nina Musgrove
Emergency Medicine Residency

5. Sugar Water for Shingles?
Chad Hietschold, DO; Eileen Conaway, DO; Sean McCann, DO
Family Medicine – Osteopathic

6. Disseminated Hemorrhagic Herpes Zoster in an Immunocompromised Host
Trudy-Ann Alston, DO; Edward Jackson, MD; Kamini Geer, MD
Family Medicine – Osteopathic

7. Dextrose injections into dorsal rami as treatment for chronic xiphoidalgia
Cory Cosgrave, DO; Eileen Conaway, DO; Sean McCann, DO
Family Medicine – Osteopathic

8. A Chronic Breast Rash
Daniel Junco, DO; Edward Jackson, MD; Kamini Geer, MD
Family Medicine – Osteopathic

9. Epidural Hematoma in Newborns - A Case Study
Michelle Kuruvilla, DO; Sonia Madrazo-Rico, MD
Family Medicine – Osteopathic

10. A Case Against Early Prognostication
Morgan Nichols, MD
Family Medicine – Allopathic

11. Recurrent hypokalemia in the setting of chronic hypertension – more than meets the eye
Ashley Chapman, DO; Eddie Needham, MD
Family Practice – Allopathic
12. A Case of Inherited Factor VIII Inhibitor
Emily Emmet, MD; Cristi Rabaza, MD, Women's Health Junior Faculty, AdventHealth
Family Medicine – Allopathic
13. Pediatric Pseudoappendicitis in cases of Coronavirus MIS-C, A Case Series
Ashley Mila, MD; Aleksander Bernshteyn, MD
General Surgery Residency
14. Giant intra-abdominal desmoid tumor posing therapeutic challenges – a case report
Alberto Monreal, MD; Armando Rosales, MD; Juan Pablo Arnoletti, MD
General Surgery Residency
15. Total Pancreatic Lipomatosis: An intraoperative finding of total pancreatic replacement by lipomatous tissue during a Pancreaticoduodenectomy
Bradley Pansing, MD; Juan Pablo Arnoletti, MD; Armando Rosales, MD
General Surgery Residency
16. Lymphoma: a rare diagnosis following robotic recurrent inguinal hernia repair
Daniel Korsich, MD; Scott Bloom, MD; Steven Eubanks, MD
General Surgery Residency
17. Inguinal Hernia Containing Hydrocele in Female Pediatric Patient
Daniel Farinas, MD; Alberto Monreal, MD; William Thompson, MD
General Surgery Residency
18. A Surgical Case Report of Neurogenic Appendicopathy
John Hoff, MD; Alexandros Coutsoumpos MD
General Surgery Residency
19. Unusual Intestinal Obstruction Secondary to Abdominal Cocoon Syndrome: A Report of Three Cases at a Single Institution
Martin Uwah, MD; Christopher Olukoga, MD
General Surgery Residency
20. Bowel Perforation After Magnet Ingestion in a Pediatric Patient
Michelle McCullers, MD; Alberto Monreal, MD
General Surgery Residency

21. Large recurrent mediastinal mass presenting with cardiopulmonary collapse
Brandon Kalivoda, MD; Alexandra Lackey, MD; Aashish Mainali MD; Jian Guan, MD
Internal Medicine Residency
22. Rapid onset Fatal Amiodarone Induced Pulmonary Toxicity (AIPT) after Non cardiothoracic surgery
Aashish Mainali, MD; Kishor Khanal, MD; Xuan Guan, MD
Internal Medicine Residency
23. Tongue Swelling in a Patient with Pulmonary Sarcomatoid Abscess in Disguise
Mengni Guo, MD; Anum Jalil MD, Jieying Liu MD, Ruoyu Miao MD, Tien Tran MD, Jian Guan MD
Internal Medicine Residency
24. Fatal cavitary invasive pulmonary aspergillosis in a patient with COVID 19 Pneumonia
Abdul Khan, MD; Zohaib Ahmed; Christian Hernandez
Critical Care Medicine
25. Mayer-Rokitansky-Kuster-Hauser syndrome in a previously healthy 16 years old female presenting with primary amenorrhea
Barbara Braz, MD; Alfredo Pacheco, MD, MA
General Pediatrics Residency
26. Sialidosis II in a newborn leading to associated cardiorespiratory failure and death
Fares Hares, MD; Kelvin Lee, MD; Majed Dasouki, MD
General Pediatrics Residency
27. Bickerstaff Brainstem Encephalitis in a 17 yo M
Fares Hares, MD; Aaron Godshall, MD; Alberto Marante, MD
General Pediatrics Residency
28. Cat scratch disease presenting as Parinaud's oculoglandular syndrome in a pediatric patient
Melissa Zegarra Bustamante, MD; Monica Lee, MD
General Pediatrics Residency
29. Fever of unknown source, a case of disseminated Bartonella infection in a pediatric patient
Monica Lee, MD; Melissa Zegarra Bustamante, MD
General Pediatrics Residency
30. Delayed Radial Pseudoaneurysm Diagnosis and Management
Eugene Bivens, Jr., MD; Herron Gomillion, MD, Christopher Wasyliv, MD, Kurt Scherer, MD
Diagnostic Radiology Residency

Education

1. Effect of an Online Orientation of Emergency Department for Family Medicine Residents
Thomas Lawyer, MD; Samuel Muniz, MD; Caroline Molins, MD MSMEd; C. Martinez Martinez, MD, MSMEd
Emergency Medicine Residency

2. Glucose Management of Non-Critically Ill Diabetic Patients Receiving Steroid Therapy
Tariq Patel, MD
Family Medicine Allopathic Residency

3. Cultivating Leadership During the Covid-19 Pandemic: Surgical Residents' Reflections
Joshua Spiegel, MD; Alberto Monreal, MD; Rizwan Ahmed, MD; Scott W. Bloom, MD; Alric V. Simmonds, Jr., MD
General Surgery Residency

4. Pitfalls in Interpreting Post Radioembolization Imaging – What the Interventional Radiologist Needs to Know
Eugene Bivens, Jr., MD; Muhammad Noor, MD; Christopher Smith, MD; Grant Webber, MD; Thomas J. Ward, MD; Francisco Contreras, MD; Barbara Manchec, MD
Diagnostic Radiology Residency

SPECIAL THANK YOU TO OUR JUDGES

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

Scott Bloom, MD, FRCSC, FACS, AdventHealth General Surgery

Robert Cambridge, DO, AdventHealth Cancer Institute

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Patricia Robinson, PhD, AdventHealth Research Institute

Amanda Sawyer, PhD, AdventHealth Research Institute

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Timothy Spruill, EdD, AdventHealth Center for Family Care

Hong Tao, PhD, Translational Research Institute

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Research Day*





Graduate Medical Education

2021