

2019 Research Scholars Poster Presentation Program

Lehigh Valley Health Network

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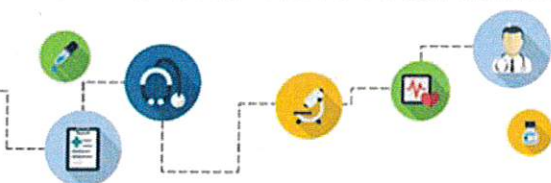
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research
scholar
program



2019

Research Scholars

Poster Presentation

August 2, 2019



THE DOROTHY RIDER POOL
HEALTH CARE TRUST



***Welcome to the 2019
Research Scholar
Poster Presentation Program***



Agenda

Welcome

Maggie Hadinger, MS, EdD
Director of Graduate Medical Education and Student Programs,
Lehigh Valley Health Network

Reflections

Brooke Zumas, PsyD
Senior Education Consultant, Lehigh Valley Health Network

Remarks

Robert Barraco, MD, MPH
Chief Academic Officer, Lehigh Valley Health Network

***Presentation of Research Scholar Certificates
& Award Winners***

Brooke Zumas, PsyD

Natalie Stocker
Administrative Assistant, Department of Education

Closing Remarks

Brooke Zumas, PsyD

Research Scholars

Samrah Ansari	Olivia Morren
Kate Appel	Samantha Mullin
Annalise Armstrong	Bridgit O'Brien
Gabrielle Barraco	Dinky Patel
Amy Beltz	Millan Patel
Lydia Bothwell	Sophie Pickering
Gabriela Campusano	Cassandra Pinataro
Allison Davis	Hadar Re'em
Sarah Douress	Alexandra Reph
Mike Fink*	Liam Romond
Lyndsey Gallagher	Marguerite Runyan
Toni Hahn	Carly Shaffer
Courtney Herr	Tanner Shane
Caitlin Hoeing	Kathryn Sparango
Travis Hoover*	Sophia Starnier
Ryan Johnson	Josephine Steidinger
Matthew Johnson	Max Stempel
Hannah Kaplan	Lauren Sterner
Erin Kelly	Olivia Toner
Theresa Koch	Elton Veseli
Sarina N. Krantzler*	Olivia Waldron
Courtney Landis	Brooke Wehr
Mandy McHale	Joanna Weyrich
Spencer Moros	Emily Zobian

* Senior Research Scholar

Projects

- 1.) ***Children's Cancer Center as a Clinical Microsystem: Assessment***
Mentor: J. Nathan Hagstrom, MD, MHCM, *Department of Pediatrics*
Scholar: Josephine Steidinger, North Carolina State University
- 2.) ***Children's Cancer Center as a Clinical Microsystem: Engagement***
Mentor: J. Nathan Hagstrom, MD, MHCM, *Department of Pediatrics*
Scholar: Courtney Herr, Messiah College
- 3.) ***Children's Cancer Center as a Clinical Microsystem: Patient Flow***
Mentor: J. Nathan Hagstrom, MD, MHCM, *Department of Pediatrics*
Scholar: Toni Anne Hahn, University of Rochester
- 4.) ***Determinants of Treatments for Obesity***
Mentor: Elaine Banerjee, MD, MPH, *Department of Family Medicine*
Scholar: Elton Veseli, Temple University
- 5.) ***Delineating Rehabilitation Barriers for Patients with COPD***
Mentor: Robert Krukltis, MD, PhD, *Department of Pulmonology*
Scholar: Brooke Wehr, Moravian College
- 6.) ***Developing A Standard Diet Questionnaire for Pediatric Headache Medicine to Detect Dietary Triggers in Children with Chronic Migraine***
Mentors: Zuhail Ergonul, MD, PhD, *Department of Pediatric Neurology*
Scholar: Gabriela Campusano, University of Scranton
- 7.) ***Opioid-free Appendectomy: Reducing Length of Stay While Controlling Pain in the Pediatric Patient***
Mentor: Marybeth Browne, MD, FAAP, FACS, *Division of Pediatric Surgical Specialties*
Scholar: Lydia Bothwell, James Madison University
- 8.) ***A Qualitative Study to Understand Resident and Student Perceptions of the Third-Year Surgical Clerkship Experience***
Mentor: Daniel Relles, MD, *Division of Pediatric Surgical Specialties*
Scholar: Annalise Armstrong, Messiah College
- 9.) ***Best Practices for Parent Engagement in Youth Programs***
Mentor: Margaret Hadinger, MS, EdD, *Department of Education*
Scholar: Samantha Mullin, DeSales University
- 10.) ***Recommendation of Effective Practices for Improving LVHN HCAHPS Scores: A Focus on Care Transition at LVH-S***
Mentor: Annamarie DeRoberts, MSHA, RN, *Department of Organizational Development*
Scholar: Liam Romond, Moravian College

- 11.) ***An Analysis of the Benefits and Barriers to the Implementation of a HIPAA Compliant Secure Messaging System Within the Network***
Mentor: Annamarie DeRoberts, MSHA, RN, *Department of Organizational Development*
Scholar: Matthew Johnson, Penn State University
- 12.) ***Development of an E-learning Module on Evaluation Best Practices***
Mentor: Cheryl Arndt, PhD, *Department of Education*
Scholars: Dinky Patel, Penn State University
- 13.) ***Geographic Exploration of Lehigh Valley Health—Diabetes***
Mentor: Kyle Shaak, MPH, *Department of Family Medicine*
Scholar: Allison Davis, Moravian College
- 14.) ***Building a Center of Excellence for Robotic Surgery through a Referral Provider Network***
Mentor: Martin Martino, MD, *Department of Gynecologic Oncology*
Scholar: Sarah Douress, James Madison University
- 15.) ***Does Fractional Blistergrafting Improve 2nd Degree Burn Wound Healing and Scar Outcome without a Significant Donor Site?***
Mentor: Sigrid A. Blome-Eberwein, MD, *Regional Burn Center*
Scholar: Cassandra Pinataro, The New England Conservatory of Music
- 16.) ***Minimally Invasive Burn Reconstruction with Subcutaneous Scar Contracture Release***
Mentor: Sigrid A. Blome-Eberwein, MD, *Regional Burn Center*
Scholar: Sophia Starner, Moravian College
- 17.) ***Preparing for the Future of Medicine: Building for our Community***
Mentor: Martin Martino, MD, *Department of Gynecologic Oncology*
Scholar: Olivia Waldron, Muhlenberg College
- 18.) ***Tuberculosis: A Retrospective Review of Cases Treated in Allentown from 2014-July 2019***
Mentor: Marcelo G. Gareca, MD, *Division of Infectious Diseases*
Scholar: Carly Shaffer, Muhlenberg College
- 19.) ***Assessment of the Characteristics of Multidrug Resistant Organisms at Lehigh Valley Health Network: Where Do They Come From and Where Do They Go?***
Mentor: Amy Slenker, MD, *Department of Infectious Diseases*
Scholar: Courtney Landis, Cornell University
- 20.) ***Quality Assessment of the Real-world Use of Procalcitonin at a Large Academic Institution***
Mentor: Amy Slenker, MD, *Department of Infectious Diseases*
Scholar: Olivia Morren, Gettysburg College
- 21.) ***Evaluation of the Effects of Implementation of Rapid Cerebral Spinal Fluid Diagnostic Multiplex Molecular Testing for Meningitis and Encephalitis at a Large Academic Institution***
Mentor: Amy Slenker, MD, *Department of Infectious Diseases*
Scholar: Max Stempel, Haverford College
- 22.) ***A Mixed-Methods Exploration of Barriers to Mammography Completion***
Mentor: Melanie Johnson, MPA, *Department of Family Medicine*
Scholar: Hadar Re'em, Muhlenberg College
- 23.) ***Identifying Cultural Practices in Childbirth & Integrating Traditional Practices with Western Biomedicine***
Mentor: Amanda Flicker, MD, *LVPB OB/GYN*
Scholar: Kate Appel, Emory University
- 24.) ***Developing a Primary Care Practice Dashboard for Tracking Clinical Process Metrics***
Mentor: John Stoeckle, MD, *Department of Family Medicine*
Scholar: Millan Patel, Johns Hopkins University
- 25.) ***The Impact of Community Health Worker Home Visits on Geriatric Patients' Nonmedical Needs in Primary Care***
Mentor: Brenda Frutos, MPH, *Department of Family Medicine*
Scholar: Marguerite Runyan, Muhlenberg College
- 26.) ***Annual Wellness Visits and Dementia***
Mentor: Nyann Biery, MS, *Department of Family Medicine*
Scholar: Joanna Weyrich, Grove City College
- 27.) ***Baseline Characteristics for Consideration of Prophylactic Feeding Tube Placement in Persons Undergoing Chemoradiotherapy for Head and Neck Cancer: A Retrospective Chart Review***
Mentors: Jennifer Brenan, RD, CSO, LDN, *Department of Clinical Nutrition Services*
Scholar: Amy Beltz, Cedar Crest College
- 28.) ***Endocarditis of the Cardiac Valves in the Era of Opioid Crisis***
Mentor: James K. Wu, MD, *Department of Cardiothoracic Surgery*
Scholar: Sophie Pickering, Virginia Polytechnic Institute and State University

- 29.) **Long-Term Survival Rate of Transcatheter Aortic Valve Replacement**
Mentor: James K. Wu, MD, *Department of Cardiothoracic Surgery*
Scholar: Caitlin Hoeing, *The Pennsylvania State University*
- 30.) **Cardiogenic Shock Patients on VA-ECMO with/without Unloading from Impella**
Mentor: James K. Wu, MD, *Department of Cardiothoracic Surgery*
Scholar: Samrah Ansari, *DeSales University*
- 31.) **Outcomes of Implantable Cardioverter Defibrillator (ICD)/Pacing Lead Extraction Over 8 Years**
Mentor: James K. Wu, MD, *Department of Cardiothoracic Surgery*
Scholar: Alexandra Reph, *Duke University*
- 32.) **Serving Our Community With Pride**
Mentor: Judy Sabino, MPH, CDP, *Department of Human Resources*
Scholar: Mandy McHale, *Lehigh University*
- 33.) **Prevention of Pediatric Obesity: Focus on the First Two Years**
Mentor: Kimberly Brown, MD, *Department of Pediatrics*
Scholar: Lyndsey Gallagher, *The George Washington University*
- 34.) **The Impact of the Clinical Ladder on Nurse Retention at Lehigh Valley Health Network**
Mentor: Gerald McGlinn, MA, ACC, *Leadership and Organizational Development*
Scholar: Kathryn Sparango, *Villanova University*
- 35.) **Investigation of the Relationship Between Employee Engagement and Burnout Among Physicians at Lehigh Valley Health Network**
Mentor: Joseph E. Patruno, MD, *Department of Medical Staff Services*
Scholar: Spencer Moros, *Lehigh University*
- 36.) **Physician Well Being and Patient Satisfaction: Analyzing the Relationship**
Mentor: Joseph E. Patruno, MD, *Department of Medical Staff Services*
Scholar: Theresa Anne Koch, *The University of Scranton*
- 37.) **Unused Opioids After Joint Replacement Surgeries: 72,146 Untaken Pills at Large in Our Community**
Mentor: Matthew M. McCambridge, MD, MS, FACP, FCCP, *Chief Quality and Patient Safety Officer*
Scholar: Tanner Shane, *The College of William and Mary*

- 38.) **Developing and Implementing Hospital Events: An Overview of the 2019 George Washington and Revolutionary Period Medicine Exhibit at LVHN**
Mentor: Linda Schwartz, MDE, AHIP, CM, *Department of Education*
Scholar: Ryan Johnson, *Muhlenberg College*
- 39.) **Use of Thrombolytic Therapy for Complicated Pleural Effusions**
Mentors: Kelly M. Wanamaker, MD, Katherine M. Penetar, CRNP, Sanjay M. Mehta, MD, *Department of Cardiothoracic Surgery*
Scholar: Lauren Sterner, *King's College*
- 40.) **Global Health: Should it be an Integral Part of Medical Education?**
Mentor: Sweetie Jain, MD, *Department of Family Medicine*
Scholar: Erin Kelly, *Lehigh University*
- 41.) **Valuing the Vulnerable: Publicizing the Patient Perspective**
Mentor: Sweetie Jain, MD, *Department of Family Medicine*
Scholar: Hannah Kaplan, *Liberty University*
- 42.) **Retroactive Analysis of Advanced Spine Center Patient Care and Outcomes in Correlation with the 9-Item Patient Health Questionnaire Scores**
Mentor: Kara Spanswick, MHA, *Advanced Spine Center*
Scholars: Gabrielle Barraco, *Pennsylvania State University*, Bridgit O'Brien, *Minnesota State University, Mankato*
- 43.) **Developing Curriculum in Lehigh Valley Health Network with School District Partnerships**
Mentor: Brian Leader, MS, MBA, *Department of Orthopedics, Neuroscience, and Special Surgery*
Scholar: Emily Zobian, *Duquesne University*
- 44.) **A Retrospective Study of Outcomes Associated with Treatment Modalities Utilized in the Management of Stage II and Stage III Bladder Cancer at LVHN from 2014-2018**
Mentors: Dennis M. Sopka, MD, *Department of Radiation Oncology (Cedar Crest)* & Savitri P. Skandan, MD, *Department of Hematology-Medical Oncology (Muhlenberg)*
Scholar: Olivia Toner, *Muhlenberg College*
- 45.) **Cardiogenic Shock: A Single-Center, Three-Year Exploratory Study**
Mentors: James A. Burke, MD, PhD, *Department of Interventional Cardiology* & Brooke Zumas, PsyD, *Department of Education*
Scholar: Sarina N. Krantzler, *Lafayette College*

Thank you to all of the Research Scholar mentors, their staff, and information session presenters for their guidance, support, and passion for educating our future healthcare professionals.



Research Scholar Mentors

Cheryl Arndt	Brian Leader
Elaine Banerjee	Martin Martino
Nyann Biery	Matthew M. McCambridge
Sigrid A. Blome-Eberwein,	Gerald McGlinn
Jennifer Brenan	Sanjay M. Mehta
Kimberly Brown	Joseph E. Patruno
Marybeth Browne	Katherine M. Penetar
Annamarie DeRoberts	Daniel Relles
Zuhal Ergonul	Judy Sabino
Amanda Flicker	Linda Schwartz
Brenda Frutos	Kyle Shaak
Marcelo G. Gareca	Amy Slenker
Margaret Hadinger	Kara Spanswick
Nathan Hagstrom	John Stoeckle
Sweetie Jain	Kelly M. Wanamaker
Melanie Johnson	James K. Wu
Robert Kruklitis	Brooke Zumas

Information Session Presenters

Sigrid Blome-Eberwein	Hope Kincaid
Marybeth Browne	Jennifer Macfarlan
Terry Burger	Katherine Martin
Emilie Carlino	Timothy Pellini
Carolyn Coleman	Vickie Ripkey
Carol Crabbs	Orlando Rivera
Adriana Facciano	Lindsey Robel
Megan Furchner	Paige Roth
Courtney Highleyman	Alicia Schmeltzly
Kyle Horton	Brenda Shaffer
Cheyenne Johnson	Jeff Silliman
Bryan Kane	Amy Smith
Stacy Karvaski	Katerina Valavanis
Matt Kastner	Matthew Yost

Distinguished Judges

Kristin Applegate	Brian Holtzhafer
Andy Baranek	Travis Hoover
Sue Baranek	Loretta Igo
Donna Lobach-Berger	Matt Kastner
Colleen Besz	Hope Kincaid
Emilie Carlino	Jennifer Macfarlan
Chimae Cupschalk	Jim McCarthy
Veronica DeBlois	Eamon Murray
Pat Eckert	Hilda Rivera
William H. Eckert	Paige Roth
Tanya Ensminger	Brenda Shaffer
Loralye Feinberg	Dean Shaffer
Megan Furchner	Amy Smith
Kerri Green	Jon Trence
Nestor Hernandez	Mandy Weidenhamer

