Prisma Health–Upstate Health Sciences Center

Research Showcase

Accepted Abstracts

April 12, 2019

Schedule:

12:00 – 1:15 PM  HSC Resource Tables (1st floor)
12:00 – 1:15 PM  Poster Session (4th floor)
1:30 – 2:00 PM  Awards presentations (Auditorium)

- Best Investigation in Transformation Health
- Best Investigation in High Value Care
- Recognition for Patient Engagement in Research
- Patient Engagement Champion
- Outstanding Medical Student Research
- Outstanding Nursing Scholar Research
- Outstanding House Staff Research
- Runner-Up Best Overall Research
- Best Overall Research
- Outstanding Team Member
"Let's Talk": A Pilot Study of Oncology Nurse Compassion Fatigue and Burnout
Tranaka Fuqua, Prisma Health Cancer Institute; Chelsea LeNoble, Clemson University, Department of Psychology; Audrey Ann Crocker, Clemson University, Department of Health Science; Chloe Wilson, Clemson University, Department of Psychology; Elissa Johnson, Department of Psychology; Thomas Britt, Clemson University, Department of Psychology; Donald Wiper, Prisma Health—Upstate

A Chain Reaction: Middle Schoolers Reflect on their Social Environment through Acts of Kindness
Sarah F. Griffin, Clemson University; Laura J. Rolke, Clemson; Jackie Cassidy, Prisma Health; Jacqueline Forrester; Prisma Health; Mackenzie Stuenkel, Clemson University; Kerry A. Howard, Clemson University; Kerry K. Sease, Prisma Health

Addressing Burnout in a Family Medicine Residency Clinic: Scribe Model vs Traditional Care Model
Joy Shen-Wagner, Prisma Health—Upstate, University of South Carolina School of Medicine Greenville; Drew Albano, Prisma Health—Upstate, University of South Carolina School of Medicine Greenville; Joel Amidon, Prisma Health; Stephen Carek, Prisma Health; Molly Benedum, Furman University, Prisma Health

An Algebraic Approach to the Network Inference Problem
Matthew Macauley, Clemson University, Department of Mathematical Sciences

An Investigation Of The Effectiveness Of Virtual Agents For Family Health History Collection For Geriatric Population
Amal Ponathil, Clemson University, Department of Industrial Engineering; Jeffrey Bertrand, Clemson University; Brandon Welch, Medical University of South Carolina; Kapil Chalil Madathil, Clemson University

Analyzing the Efficacy of VR to Mitigate Acute Pain and Anxiety in Knee Arthroplasty Patients
Vishnunarayan Girishan Prabhu, Clemson University, Department of Industrial Engineering, Laura Stanley, Clemson University; Robert Morgan, Prisma Health; Josh Biro, Clemson University

Arteriovenous Access Creation for Long-Term Therapeutic Apheresis: Reassessment is Warranted
Christopher Cordes, Prisma Health; Jay Sexton, Prisma Health; Christopher Carsten, Prisma Health

Assessing Patient-Reported Outcome Measures and the Value of Musculoskeletal Improvement for Patients with Knee Disability
Alicia Oostdyk, University of South Carolina; Sarah Floyd, University of South Carolina; Melanie Cozad, University of South Carolina; John Brooks, University of South Carolina; Brian Burnikel, Prisma Health; Paul Siffri, Prisma Health

Assessment of a Bio-Adhesive Mesh System for Mesh Fixation During Hernia Repair
Melinda Harman, Clemson University, Department of Bioengineering; William Cobb, Prisma Health; Kevin Champaigne, Circa Bioscience, LLC; Lucy Lu, Clemson University; Varun Chawla, Circa Bioscience, LLC; Igor Luzinov, Clemson University; Jiro Nagatomi, Clemson University

Blood Glucose Changes in Patients Undergoing Hyperbaric Oxygen Therapy: A Retrospective Study
Dotan Shvorin, Clemson University; Michael Ramsey, Prisma Health; Ronald Pirrallo, Prisma Health; Kevin Taaffe, Clemson University; Robert Hulsey, Clemson University, Department of Biological Sciences; Kayla Adkins, Clemson University

Ceftriaxone versus Standard of Care for Definitive Treatment of Methicillin-Susceptible Staphylococcus aureus Infections
Jessica Snaverdt, Prisma Health, Pharmacy; Sarah Withers, Prisma Health; John Schrank, Prisma Health; Jun Wu, Presbyterian College of Pharmacy

Cementless versus Cemented Hemiarthroplasty for Displaced Femoral Neck Fractures in Elderly Patients
Andrew Poole, Prisma Health; Dean Weich, Prisma Health; Stephanie Tanner, Prisma Health—Upstate; Kyle Jeray, Prisma Health; John Adams, Prisma Health
Coating Orthopedic Implants with an Epoxy Based Ph Sensitive Layer to Image Ph Changes on Implant Surface Through Tissue Using X-Ray Excited Luminescent Chemical Imaging
Unaiza Uzair, Clemson University, Department of Chemistry; Jeffrey Anker, Clemson University, Prisma Health

Cognition in Multiple Myeloma Patients
Sara Roman, Prisma Health Cancer Institute

Compared to Chemotherapy, How Does Hormonal Therapy Affect Growth of Lean Muscle Mass?
Jason Morrow, Prisma Health Cancer Institute - Center for Integrative Oncology & Survivorship (CIOS); Emily Kibler, Clemson University; Regina Franco, Prisma Health; Pamela Cloys, Prisma Health; Noreen Denham, Prisma Health

Complete Neurologic Recovery in Severe Ethylene Glycol Poisoning with Alcohol Co-Ingestion
Ahmer Ansari, Prisma Health–Upstate, Department of Medicine; Antine Stenbit, University of South Carolina School of Medicine

Computational modeling of DNA variants in Mu- and Delta-opioid receptors linked with opioid addiction risk
Mahesh Koirala, Clemson University, Department of Physics and Astronomy; H. B. Mihiri Shashikala, Clemson University; Krystina Yoder, Greenville Memorial Medical Center; William Hand, Greenville Memorial Medical Center; Emil Alexov, Clemson University

Concussion Symptom Reporting Across Age Levels and Gender
Thomas Johnson, University of South Carolina School of Medicine Greenville; Eric Bankert, Prisma Health; Franklin Sease, Prisma Health; Vicki Nelson, University of South Carolina School of Medicine, Prisma Health

Creating Space for Meaningful Dialogue: the Between Two Palms Event Program
Eliza Hardy, University of South Carolina School of Medicine Greenville; Julia Moss, University of South Carolina School of Medicine Greenville; Ann Blair Kennedy, University of South Carolina School of Medicine Greenville

Data Integration Strategies to Evaluate Clinical Relevance of Genetic Variants
Satishkumar Ranganathan Ganakammal, Clemson University, School of Nursing: Healthcare Genetics; Emil Alexov, Clemson University

Delayed Gastric Emptying Post Esophagectomy: A Single Institution Experience
Allison Frederick, University of South Carolina School of Medicine Greenville; William Lorenz, University of South Carolina School of Medicine Greenville; Stella Self, Clemson University; Christine Schammel, Department of Pathology/Pathology Associates; William Bolton, Prisma Health; James Stephenson, Prisma Health; Sharon Benor, Prisma Health

Detection of Biomarkers Using a Hydrogel Biosensor with a Biopsy Marker Clip
Uthpala Wijayaratna, Clemson University, Department of Chemistry; Sachindra D. Kiridena, Clemson University; M. D. Arifuzzaman, Clemson University; Caleb J. Behrend, OrthoArizona; Jeff Edenfield, Prisma Health; Jeffrey N. Anker, Clemson University

Developing a Knitted, Antibacterial Wound Dressing Contact Layer for Infection Management
Elizabeth Gianino, Clemson University, Department of Bioengineering

Development of a Vibrationally Optimized Football Helmet
William Ferriell, Clemson University, Department of Bioengineering

Development of RunRA: A Mobile Application Designed to Improve the Active-Management of Rheumatoid Arthritis
Melanie Cozad, University of South Carolina Arnold School of Public Health; Gulzar Merchant, Prisma Health; Kaitlyn Crosby, University of South Carolina; Rasmine Baker, University of Pittsburgh

Diabetes Transition of Care Project
Stephen Franks, Prisma Health, Department of Medicine
Differentiation Between Euploid and Aneuploid Human Embryos Based on Cell-Free DNA Content and Apoptotic Gene Expression in Blastocoel Fluid-Conditioned Media
Renee Chosed, University of South Carolina School of Medicine Greenville; Arnav Lal, University of South Carolina; Jonathan Blalock, University of South Carolina; William Roudebush, University of South Carolina

Eating Behaviors in Early Childhood: Lunchtime Observations with Preschool Students
Laura J. Rolke, Clemson University; Mackenzie Stuenkel, Clemson University; Jacqueline Forrester, Prisma Health; Kerry McKenzie, Prisma Health; Sarah F. Griffin, Clemson University; Kerry K. Sease, Prisma Health

EHR/Computer Etiquette Training for Medical Learners
Meenu Jindal, Prisma Health–Upstate, Department of Medicine; April Brown, Prisma Health

Elective Induction of Labor in Nulliparous Women: A Survey of Provider Practices and Beliefs
Meredith Aragon, Prisma Health–Upstate, Department of Obstetrics and Gynecology; Caroline Cochrane, Prisma Health; Ryan Batson, Prisma Health; Stella Self, Clemson University; Molly Bedenbaugh, University of South Carolina School of Medicine Greenville; Katheryn Isham, Prisma Health; Kacey Eichelberger, Prisma Health

Evaluating Elbow Range of Motion with Smartphone App, Universal Goniometer, and Surgeon Visual Estimation
Clark Walker, Prisma Health; Michael Sims, Prisma Health; Stephanie Tanner, Prisma Health–Upstate, Department of Orthopaedics; Kyle Jeray, Prisma Health; David Lazarus, Prisma Health

Eye-tracking and Evaluation of Mobile Healthcare Applications for Rheumatoid Arthritis: A Research Synthesis
Kathryn McGowin, Furman University; Jeanine Stratton, Furman University; Melanie Cozad, University of South Carolina Arnold School of Public Health

Family Medicine Physician Perceptions on the Utilization of the Team Care Model in Patient Care
Drew Albano, Prisma Health, University of South Carolina School of Medicine Greenville, Department of Family Medicine; Joy Shen-Wagner, University of South Carolina, Prisma Health; Stephen Carek, University of South Carolina, Prisma Health

Feasibility Study of Protein Biomarkers for the Noninvasive, Rapid, and Accurate Diagnosis of Endometriosis
William Abel, University of South Carolina School of Medicine Greenville; Bruce Lessey, Prisma Health; Anna Blenda, University of South Carolina

GISTs and Bariatric Surgery: A Tale of Observation
Jocelyn Tisch, University of South Carolina School of Medicine Greenville; Zoe Rogers, Wake Forest University; Christopher Wilson, Clemson University; Christine Schammel, Department of Pathology/Pathology Associates; Steve Trocha, Prisma Health

Hazing and Mental Health in Intercollegiate Athletics
Joseph Crisman, University of South Carolina School of Medicine Greenville

Identification of the Barriers to the Care of the HIV/AIDS Patients in the Upstate Region of South Carolina: A Provider Perspective
Sahand Vafadary, Prisma Health–Upstate, Department of Family Medicine; Vicki Nelson, Prisma Health; Molly Benedum, Prisma Health; Xiyan Tan, Prisma Health; Alex Ewing, Prisma Health

Identifying the Impact of Movement and Air Disturbance in the Operating Room
Kevin Taaffe; Clemson University, Department of Industrial Engineering; Larry Fredendall, Clemson University; Robert Allen, Prisma Health; Marisa Shehan, Clemson University; Emily Huffer, Clemson University; Paige Fetchen, Clemson University; Taliyah Smith, Clemson University; Alexis Fiore, Clemson University; Alejandro Padro, Clemson University

Impact of the "39 week Rule" on Neonatal Outcomes: A Statewide Analysis
Ryan Batson, Prisma Health–Upstate, Department of Obstetrics and Gynecology; Caroline Cochrane, Prisma Health; Meredith Aragon, Prisma Health; Stella Self, Prisma Health; Molly Bedenbaugh, Prisma Health; Kacey Eichelberger, Prisma Health; Katheryn Isham, Prisma Health
Implementation of Free Clinic Service as a Training Opportunity for Emergency Medicine Residents
Julia Moss, University of South Carolina School of Medicine Greenville; Eliza Hardy, University of South Carolina School of Medicine Greenville; E. Page Bridges, Prisma Health

Improving Patient Flow in High Volume, Multi-Resource Healthcare Systems
Haleigh Alexander, Clemson University, Department of Industrial Engineering; Kevin Srimounghanch, Clemson University; Katie Minichan, Clemson University; Morgan Smith, Clemson University; Dotan Shvorin, Clemson University, Prisma Health; Kevin Taaffe, Clemson University, Prisma Health; Michael Ramsay, Prisma Health; Eric Ossmann, Prisma Health; Ronald Pirallo, Prisma Health; Matthew Bitner, Prisma Health

Increased Opioid Use following Rotator Cuff Repair Associated with Prior Opioid Use and Surgeon Prescription Patterns
Cole Chapman, CerORTHO; Jared Hudspeth, Prisma Health; Michael Kissenberth, Prisma Health; Charles Thigpen, ATI Physical Therapy

Inpatient Link to Addiction Recovery
Kathryn Dumas, University of South Carolina School of Medicine Greenville; Kaileigh Bryne, Clemson University; Lauren Demosthenes, Prisma Health; Prerana Roth, Prisma Health

Insurance Status Influence on Discharge Location and Length of Stay After Ischemic Stroke
John Barrara, University of South Carolina School of Medicine Greenville; Taylor Lucas, University of South Carolina School of Medicine Greenville; Bryce Blum, University of South Carolina School of Medicine Greenville; Christine Schammel; Department of Pathology/Pathology Associates; Lee Madeline, Prisma Health; Kevin Kopera, Prisma Health; Shannon Sternberg, Prisma Health; Michael Lynn, Prisma Health; Ryan Hakimi, Prisma Health

Interactive Insulin Teaching by Pharmacists Prior to Hospital Discharge
Jessica Odom, Prisma Health, Pharmacy; Sandra Weber, Prisma Health; Alyson Burns, Prisma Health; Melissa Fair, Furman University; Megan Probst, Furman University; Melanie Sutherland, Furman University; Department of Nursing

Investigating the Effects of Missense Mutations in MSH2 Gene Associated with Lynch Syndrome
Bohua Wu, School of Nursing, Clemson University; Yunhui Peng, NIH; Julia Eggert, Clemson University; Veronica Parker, Clemson University; Emil Alexov, Clemson University

Is Perceived Cardiovascular Risk Associated with Biochemical Markers or Self-Rated Health Among College-Aged Adults?
Haley Park, Furman University; Elizabeth Holt, Furman University; Anna Cass, Furman University

Macrocosm: A Framework for Optimal ICU Design and Interprofessional Team Interactions--From Method to Theory Development- mHCBE
Susan O’Hara, Clemson University, School of Nursing; Patterson Emily, Ohio State University; Robin Toft Klar, New York University; Jim Fackler, Johns Hopkins School of Medicine; Judy Ascenzi, Johns Hopkins Hospital

Micromotion and Strength of the Glenoid Component in Reverse Total Shoulder Arthroplasty: Optimal Clinical Positioning with Preoperative Planning Software is Biomechanically Superior in the Simulated B2 Model
Shannon Hall, Clemson University; David Baxley, Clemson University; Michael Kissenberth, Steadman Hawkins Clinic of the Carolinas, Prisma Health; John Tokish, Mayo Clinic Arizona; Stephan Pill, Prisma Health; John DesJardins, Clemson University

Monitoring Ovine Intertrochanteric Fracture Stability with a Strain-Sensing Dynamic Hip Screw
Nathan Carrington, Clemson University, Department of Bioengineering; Paul Milhouse, Clemson University; Caleb Behrend, Virginia Tech Carilion School of Medicine; Tom Pace, Prisma Health; Kyle Jerry, Prisma Health; Jeffrey Anker, Clemson University; John DesJardins, Clemson University

Movement in Middle School - Application of the Transtheoretical Model in Assessing Physical Activity Barriers and Behaviors
Laura J. Rolke, Clemson University; Kerry A. Howard, Clemson University; Jacqueline Forrester, Prisma Health; Sarah F. Griffin, Clemson University; Tracy Waters, Furman University; Kerry Sease, Prisma Health
Non-Lethal Inhibition of Bacteroides dorei strains, a Clinically Relevant Species Associated with Type 1 Diabetes, using the α-Amylase Inhibitor Acarbose
Anthony Santilli, Clemson University, Department of Chemistry; Kristi Whitehead, Clemson University; Daniel Whitehead, Clemson University

Obstructive Sleep Apnea and White Matter Hyperintensities: Correlation or Causation?
Trevor Vandewater, University of South Carolina School of Medicine Greenville; Noah Schammel, University of South Carolina School of Medicine Greenville; Christopher Wilson, Clemson University; Stella Self, Clemson University; Christine Schammel, Department of Pathology/Pathology Associates; Ronald Cowley, Prisma Health; Dominic Gault, Prisma Health; Lee Madeline, Prisma Health

One Size Does Not Fit All Burnout: Investigating the Use of Profiles for Identifying and Reducing Burnout in Healthcare Leaders
Michelle Flynn, Clemson University, Psychology; Marissa Shuffler, Clemson University; Allison Traylor, Rice University; Sharon Wilson, Prisma Health; Donald Wiper, Prisma Health

Opioid Utilization in the Obstetric Setting: A Survey of Provider Practice and Opinion at the Greenville Health System
Bryan Brooks, Prisma Health, University of South Carolina School of Medicine Greenville; Alex Ewing, Prisma Health; Kacey Eichelberger, Prisma Health

Patient Perspectives on the Implementation of Group Medical Visits for Type 2 Diabetes Mellitus at a Community-Based Primary Care Clinic
Shannon Taylor, Prisma Health, Department of Family Medicine; John Emerson, Prisma Health; Jessica Odom, Prisma Health; Ann Blair Kennedy, University of South Carolina School of Medicine Greenville; Kelsey Williams, University of South Carolina

Patient Satisfaction of ERAS Perioperative Protocol in GYN-Oncology Surgery
Shaina Long, Prisma Health, Department of Obstetrics and Gynecology; Ramsey Ugarte, University of South Carolina School of Medicine Greenville; Larry Puls, Prisma Health; Jeffrey Elder, Prisma Health; Alex Ewing, Prisma Health

Perceived Activities and Participation Outcomes of a Yoga Intervention for Individuals with Parkinson’s Disease: A Mixed Methods Study
Brent Hawkins, Clemson University, Parks, Recreation, and Tourism Mgmt.; Marieke Van Puymbroeck, Clemson University; Alysha Walter, Clemson University; Julia Sharp, Colorado State University; Kathleen Woschokulp, St. Francis Hospital; Enrique Urrea-Mendoza, Prisma Health, Department of Medicine; Fredy J. Revilla, Prisma Health; Arlene Schmid, Colorado State University, Fort Collins

Platelet-Activating Factor Reduces Caspase-3 Activity and Enhances Embryo Development in the Sea Urchin Lytechinus variegatus
William Roudebush, University of South Carolina School of Medicine Greenville; Arnav Lal, University of South Carolina School of Medicine Greenville; Jonathan Blalock, University of South Carolina; Renee Chosed, University of South Carolina

Pregestational Diabetes Mellitus Pilot Study with Diabetes Self-Management (DSMP) and Wireless Enabled Meter
Amanda Brauss, Prisma Health–Upstate, Department of Obstetrics and Gynecology, University of South Carolina School of Medicine-Greenville; Megan Schellinger, University of South Carolina, Prisma Health; Jessica Odom, Prisma Health; Casey Fiochi, Prisma Health; Kathleen Fincher, Prisma Health; Hannah White, Prisma Health; Michelle Stancil, Prisma Health; Thompson Gailey, Prisma Health; Alex Ewing, Prisma Health; Allison Heustess, University of South Carolina College of Pharmacy

Prevalence of Hypertensive Blood Pressure Amongst High School Athletes
Yathavan Rajakulasingam, Prisma Health, Department of Family Medicine; Mashala Temas, Prisma Health; Thomas Berault, University of South Carolina; Keiko Cooley, University of South Carolina, Prisma Health

Psychophysiological Monitoring During Neurofeedback Training in Children with Autism Spectrum Disorder: Pilot Study
Estate Sokhadze, University of South Carolina School of Medicine Greenville, Desmond Kelly, Prisma Health; Meghan Doyle, Prisma Health; Manuel Casanova, University of South Carolina
Quantifying the Shear Modulus of 3D Printed Materials for Use in Foot Orthotics
Kyle Walker, Clemson University, Department of Bioengineering; John DesJardins, Clemson University; Bianca Montano, University of Texas El Paso

Robotic Excision of Intralobar Pulmonary Sequestration
William Lorenz, University of South Carolina School of Medicine Greenville; Allison Frederick, University of South Carolina School of Medicine Greenville; Christine Schammel, Department of Pathology/Pathology Associates; William Bolton, Prisma Health; James Stephenson, Prisma Health; Sharon Ben-Or, Prisma Health

Robotic Extended Totally Extraperitoneal (eTEP) Approach: Evolution of Robotic Ventral Hernia Repair
Marcia Alayon-Rosario, Prisma Health, Minimally Invasive Surgery, Department of Surgery; Jeremy A. Warren, Prisma Health; Alfredo M. Carbonell, Prisma Health

Savi Scout Radar Breast Localization: Prisma Health Experience and Outcomes
Joseph Tingen, Prisma Health, Department of Surgery; Brian McKinley, Prisma Health

Selected reaction monitoring mass spectrometry (SRM-MS) evaluation of HER2 Equivocal Breast Cancer
Krupa Merchant, University of South Carolina School of Medicine Greenville; Julie Martin, Prisma Health; K. Chung, Prisma Health; L. M. Drusbosky, NantOmics; M. H. Elliott, NantOmics; S. Reddy, NantHealth; C. Szeto, NantHealth; Jeff Edenfield, Prisma Health; Christine Schammel, Department of Pathology/Pathology Associates; David Schammel, Pathology Associates

Systematic Review of Decision Aids for Colorectal Cancer Screenings
Nyrobi Tyson, Furman University; Anna Nourse, Prisma Health; Cassie Craddock, Prisma Health; Alicia Oostdyk, Prisma Health; Meenu Jindal, Prisma Health; Matthew Hudson, Prisma Health; Melanie Cozad, Prisma Health

The Knowledge, Attitude and Perception of Resident physicians in regards to Cannabis
Jessica Knapp, Prisma Health; Meenu Jindal, Prisma Health

The Transactional Model of Stress and Coping Applied to EM Physicians' Coping, Mental Health, and Job-Related Outcomes: A Qualitative Systematic Review
Karyn Jones, Clemson University, Department of Public Health Sciences; Alex Neal, George Washington University; Janessa McElfresh, Clemson University; Emily Andreassen, Medical University of South Carolina; Carlyn Owens, Trevecca University; Robert Sinclair, Clemson University; Mark Pittman, Prisma Health

Through the Eyes of Medical Students: What is Success in Medical Education? A PhotoVoice Study
Christen Hairston, Prisma Health–Upstate; Emily Northey, University of South Carolina; Susan Orr, University of South Carolina, Prisma Health

Towards a Patient-Specific Model of Multiple Myeloma
Katrina Harmon, University of South Carolina School of Medicine Greenville; Matthew Kavolus, University of South Carolina; Joshua Muccitelli, University of South Carolina School of Medicine Greenville; Sara Roman, Prisma Health; Rich Goodwin, University of South Carolina; Sergio Arce, University of South Carolina; Suzanna Fanning, Prisma Health

Towards In-Silico Measurement of Hepatic Venous Pressure as a Non-Invasive Diagnostic Tool for Predicting Portal Hypertension
Mehrdad Yousefi, Clemson University, Department of Material Science and Engineering; Ulf Schiller, Clemson University; Michael Devane, Prisma Health; Gary Abrams, Prisma Health

Understanding Community Health Needs at Monaview Elementary with the Goal of Improving Health Knowledge and Behaviors at a Title I Elementary School
Allison Kranyak, University of South Carolina School of Medicine Greenville; Karen Kemper, Clemson University; Brian Helsel, Clemson University; Kyle White, Clemson University; Sophia Lamb, Clemson University; Violet Kryshak, Clemson University; Fernando Gonzalez, University of South Carolina; Victoria Vazquez, University of South Carolina
Understanding Emergency Medicine Physicians’ Physiological Response to Distractions during Emergency Department Clinical Care
Sydney Hughes, Clemson University; Kayla Adams, Clemson University; Alexandra Smith, Clemson University; Daniel Ross, Clemson University; Shivani Surusani, Clemson University; Ronald Pirallo, Prisma Health; Dotan Shvorin, Clemson University, Prisma Health; Vishnunarayan Prabhu, Clemson University; Larissa Coldebella, Prisma Health; Angelo Perino, Prisma Health

Understanding the Impact of Luminous Skylights on Physiological and Psychological Performance of Physicians in the Operational Environment of the Emergency Medicine Department
Irene Kakouras, Clemson University; Holly Coker, Clemson University; Kate Tolleson, Clemson University

Use of Web-based Intervention in Relieving the Burden of Urinary Incontinence
Nicole Davis, Clemson University, School of Nursing; Kapil Madathil, Clemson University; Cheryl Dye, Clemson University; Veronica Parker, Clemson University; Margaret Christy, Clemson University; Eve Poetzschke, Clemson University; Christina Superdock, Clemson University

Using In vitro Cadaver Simulations to Quantify Load Variability During Surgeon Passive Flexion After TKR
Zachary Hargett, Clemson University; Manuel Gutierrez, Clemson University; Kyle Snethen, Clemson University; James Cameron, Prisma Health; Kyle Jeray, Prisma Health; Rob Carlisle, Prisma Health; Melinda Harman, Clemson University

Virtual Reality as a Mental Health Intervention for Adolescent and Young Adult Cancer Patients
Joshua Biro, Clemson University, Department of Industrial Engineering

Wheezing Wisdom: Analysis and Outcomes of Adolescent Asthma Transition
Ryan Dean, Prisma Health–Upstate, Internal Medicine-Pediatrics; Russ Kolarik, Prisma Health; Sarah Hinton, Prisma Health