



MedStar Health

2018 MedStar Health Research Symposium

April 30, 2018

Bethesda North Marriott & Conference Center
North Bethesda, Maryland

Knowledge and Compassion
Focused on You



MedStar Health

Thank you!

We are grateful to the following philanthropic partners who are generous sponsors of the 2018 MedStar Health Research Symposium:



Learn more about the Corporate Partners Program and view a list of current members at: MedStarHealth.org/CorporatePartners.



GRATITUDE Matters.

At MedStar Health, we understand and value the importance of expressions of gratitude and how they can lead to inspiring philanthropic investments in research, education and patient care programs. We are honored to partner with the MedStar Health Research Institute to help investigators across the health system share their work with potential investors in compelling ways.

The MedStar Philanthropy Group invites you to learn more about why gratitude matters.

Visit our Gratitude Matters booth to:

- Share your research story
- Learn how grateful patients are making a difference in advancing health
- Find out how you can partner with us to secure philanthropic investments for research

Learn more about philanthropy and gratitude at: MedStarHealth.org/GratitudeMatters.

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Symposium Agenda

1:30 to 2:30 p.m. Pre-symposium Professional Development and Advancement Sessions

Biomedical Informatics: Utilizing Clinical Data for Research	White Oak A
Biostatistics and Data Science: Which Test Should I Run? A Review of Commonly Utilized Statistical Tests	Glen Echo
GUMC Academic Appointments, Promotions, CVs, and Mentoring	Forest Glen
Navigating the IRB Process	Cabin John
Tips and Tricks for Funding Success	Oakley

3 to 4 p.m. Resident and Fellow Oral Presentations

White Flint Amphitheater

4 p.m. Abstract Presentations and Moderated Poster Sessions

Grand Ballroom

5:15 p.m. Moderator and Welcome Remarks

Grand Ballroom

Stephen Evans, MD
Executive Vice President, Medical Affairs
Chief Medical Officer, MedStar Health

Welcome Remarks

Edward B. Healton, MD
Executive Vice President, Health Sciences
Executive Dean, Georgetown University School of Medicine
Professor, Department of Neurology and Department of Rehabilitation Medicine

Remarks, Gratitude Matters Video Presentation, and Faculty Award Presentation

Neil J. Weissman, MD
Chief Scientific Officer, MedStar Health
President, MedStar Health Research Institute
Professor of Medicine, Georgetown University

Resident Award Presentation

Jamie S. Padmore, DM, MSc
Vice President, Academic Affairs, MedStar Health
Associate Dean, GME & Educational Scholarship, Georgetown University

6 p.m. Post-symposium Gratitude Reception

Veranda

Dear Participants,

Welcome to the seventh annual MedStar Health Research Symposium. For the second year, we find ourselves at the spacious Bethesda North Marriott Hotel & Conference Center to accommodate the ever-growing enthusiasm and interest in our innovative research efforts. We are thrilled with the opportunity to showcase the breadth of our work among our peers in the research community, while offering ample opportunities for networking and collaboration.

This year, the symposium received almost 400 abstract submissions—demonstrating the diverse and wide-ranging investigative efforts occurring across the system. Approximately 350 abstracts are featured today, along with many fascinating case reports. After a well-received inaugural showing last year, the symposium once again brings together researchers and residents for a systemwide Resident Research Day. It is my hope that you learn from and find inspiration in the research posters, exhibitor tables, educational sessions, and videos showcasing the impact of our shared work.

We extend a sincere welcome to our friends and community partners joining us today in support of MedStar Health's vision of advancing health. Research contributions, including those shared today, are vital to ensuring that we continue delivering the highest-quality care and safety to our patients.

I am truly honored to welcome each of you to the MedStar Health Research Symposium. This year and every year, it is a privilege to share and celebrate the collaboration and research of MedStar Health Research Institute.



Stephen R.T. Evans, MD
Executive Vice President, Medical Affairs
Chief Medical Officer, MedStar Health



Stephen Evans, MD

Dear Friends and Colleagues,

On behalf of MedStar Health, MedStar Health Research Institute, and MedStar Academic Affairs, it is a pleasure to welcome you to the seventh annual, systemwide MedStar Health Research Symposium.

This annual symposium celebrates the research of our colleagues from across the MedStar Health system, along with the work of our residents and fellows through the systemwide Resident Research Day. The presentation of nearly 350 peer-reviewed poster presentations and case reports highlights the academic strength of MedStar Health, and how we leverage our position at the crossroads of academics and real-world medicine. Through the efforts of the Symposium Planning and Scientific committees, we are proud to showcase our high-caliber research from across the spectrum of health care.

MedStar Health is known for its excellence in patient care, convenient points of access, and compassion, all complemented by advancing health through education, research, and innovation. As a growing, nationally acclaimed academic health system, we are helping create the next wave of academic medicine, which is tightly linked with the improved health of our community. Today's research presentations are a wonderful demonstration of this important work.

Thank you for joining us at such an exciting event for the MedStar Health scientific community. We look forward to your active participation at the symposium—and beyond.

Sincerely,



Neil J. Weissman, MD
Chief Scientific Officer, MedStar Health
President, MedStar Health Research Institute
Professor of Medicine, Georgetown University



Neil J. Weissman, MD

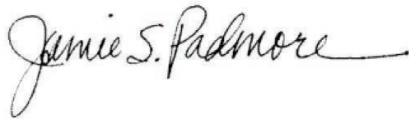
Dear Attendees,

On behalf of MedStar Health Academic Affairs, I would like to extend my welcome to the seventh annual MedStar Health Research Symposium. This event marks the second systemwide Resident Research Day, showcasing the research success of our residents and fellows.

As we move toward a unified approach to medical care, it is a testament to our residents and fellows the quality and quantity of research which they complete. With more than 200 resident submissions, the Research Symposium shows the commitment of MedStar Health to teaching the newest generation of clinicians the importance of research in advancing care.

As a learning healthcare system, MedStar Health empowers everyone to advance health by thinking differently, making new discoveries, and learning through doing. We remain committed to nurturing and teaching the next generation of clinicians the importance of actively engaging in improving the care and delivery across our diverse system.

Every year, the Research Symposium brings us together to celebrate the knowledge we have created through research. I welcome all of you to this exciting event, and I hope the residents and fellows in attendance are able to actively participate and come away with new knowledge and collaborations.



Jamie S. Padmore, DM, MSc

Corporate Vice President, Academic Affairs

Associate Dean, MedStar Health

Graduate Medical Education & Educational Scholarship, Georgetown University School of Medicine



Jamie S. Padmore, DM, MSc

Join the conversation on Facebook and Twitter:

#MedStarResearch18



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@MedStarResearch



Facebook: MedStar Health Medical Affairs
MedStar Health

Acknowledgements

The MedStar Health Research Institute's ability to showcase the outstanding science being conducted throughout the system would not be made possible without the generosity of the following individuals who served on the 2018 Symposium Scientific Committee. Special thanks to 2018 Committee Chair, Ana Barac, MD, PhD; Vice Chair, Munish Goyal, MD; and Past Chair, Waddah Al-Refaie, MD, for their exemplary leadership and dedication to the success of the 2018 Research Symposium.

Research Symposium Chair

Ana Barac, MD, PhD

Research Symposium Vice Chair

Munish Goyal, MD

Research Symposium Past Chair, 2017 Symposium

Waddah Al-Refaie, MD

Executive Planning Committee Members

Neil Weissman, MD
Jamie Padmore, DM, MSc
Katie Carlin, MBA
Jennifer Remington, MHSA
Meeta Sharma, MD
Carlo Tornatore, MD
David Weisman, MD

Symposium Scientific Committee

Meeta Sharma, MD *
Chair, 2018 Symposium Scientific Review Committee

Waddah Al-Refaie, MD ^*
Maryann (Mazer) Amirshahi, PharmD, MD, MPH *
Natalie Andon, RN, BSN *
Kelley Baker
Ana Barac, MD *
Rahul Bhat, MD *
Shaunagh Browning *
Chee Chan, MD *
Florina Constantinescu, MD *
Stephanie Detterline, MD
Dawn Fishbein, MD ^*
Jessica Galarraga, MD *
Hector Garcia Garcia, MD
Amy B. Goldstein, PhD
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Zach Hettinger, MD ^*
Rahsaan Holley
Kori Hudson, MD
Seble Kassaye, PhD *
Kate Kellogg, MD
Paul Kim, MD *

Karan Kverno, PhD *
Leon Lai, MD
Stuart Levine, MD ^*
Andrew Lincoln, ScD *
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Kristen Miller, PhD
Lauren Moffatt, PhD *
Nargiz Mukanlinskaya, MD
Loral Patchen *
Arnie Potosky, PhD *
Raj Ratwani, PhD *
Jeff Shupp, MD *
Kelly Smith, PhD *
Deborah Topol, MD
Leonard Wartofsky, MD
Dave Weisman, MD
Deliya Wesley, PhD *
Richard Williams, MD
Alex Yazaji, MD

* indicates member of 2017 Scientific Committee

^ indicates past Symposium Chair

Conference Planning Staff

Eva Hochberger
Communications and Marketing Coordinator, MedStar Health Research Institute

Exhibitors

MedStar Philanthropy Group and Advancement Resources

MedStar Philanthropy Group and its industry partner, Advancement Resources, is providing an experiential exhibit. Our gratitude exhibit will share the fundamental impact that listening for, and responding to, gratitude can have on the patient's clinical experience, and provide an opportunity for you to explore how you can share the story of your research and help create a compelling narrative for your work.

Thinking Differently: How Can MI2 Help?

MedStar Institute for Innovation will showcase some of its offerings that can help researchers Think Differently. Learn about the latest expertise and resources you can tap into from our signature groups, including MedStar Simulation Training & Education Lab (SiTEL), National Center for Human Factors in Healthcare, and MedStar Inventor Services, plus new resources like the MedStar Innovation and Design (MIND) Lab at corporate headquarters. And don't miss the centerpiece of this year's space—an abstract mapping that will illustrate the various connection points of research at the MedStar Health Research Symposium.

MedStar Health Research Institute Resources and Support

Members from departments across MedStar Health Research Institute are available to connect and discuss how they can support your research needs.

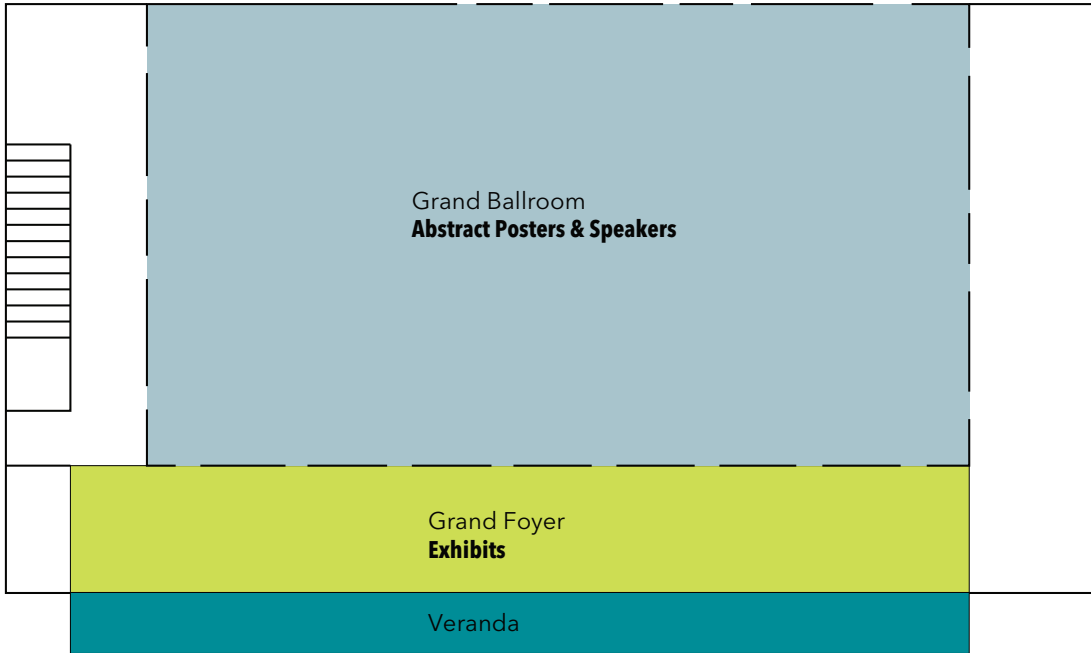
- MedStar Health Research Institute's Department of Biostatistics and Biomedical Informatics designs, executes, and analyzes clinical and epidemiologic studies, and provides high-quality statistical and data management services to intramural and extramural investigators. Services include research consulting and complex statistical analyses for investigators, creation of study-specific databases, data entry and management, knowledge discovery, data archiving, and quality control for data collection and management.
- The Office of Research Development, Planning, and Communications develops and enhances MedStar Health's research infrastructure and helps increase the level of research activity taking place at MedStar Health. The office works closely with investigators across all specialties and MedStar Health service locations to help guide, develop, and manage research proposals, as well as provide strategic planning, marketing, and communications support to ongoing research.
- The Office of Research Integrity (ORI) oversees research standards and ethical protection of the rights and welfare of research subjects throughout the MedStar Health system. Major components of the ORI include Institutional Review Board (IRB), Institutional Animal Care and Use Committee, Institutional Biosafety Committee, Scientific Review Board, Radioactive Drug Research Committee, and Conflict of Interest.
- MedStar Health Research Institute supports several Health Information Systems initiatives. These systemwide programs support research administration for managing the clinical, regulatory, financial, and administrative components across many types of trials and across the life cycle of research studies. This includes the MedStar-Georgetown partnership for OnCore and the MedStar Health integration of PowerTrials.

Georgetown-Howard Universities Center for Clinical and Translational Science

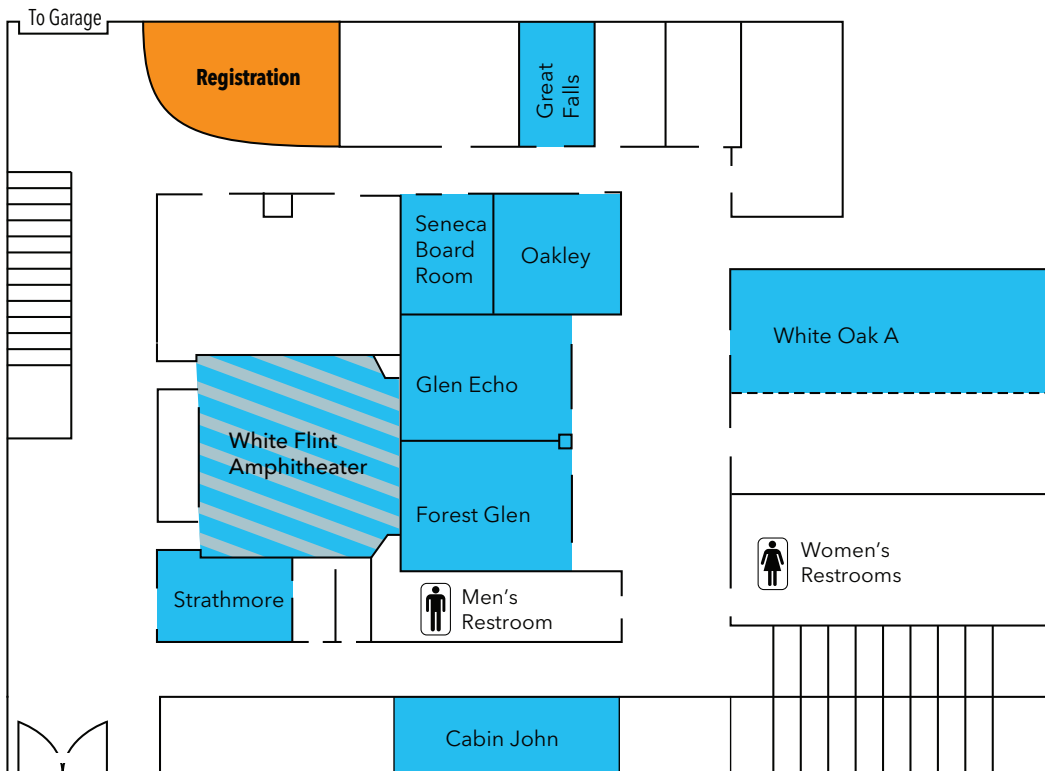
The Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS) is a multi-institutional consortium of medical research institutions forged from a desire to promote clinical research and translational science. Through multiple partnerships and collaborations among member institutions, GHUCCTS is transforming clinical research and translational science to bring new scientific advances to health care.



Conference Center Map

Main Level



Lower Level



-  Educational Sessions
-  Abstracts & Speakers
-  Exhibits
-  Registration

Congratulations to the Following Residents and Fellows for Receiving the Highest Abstract Scores

RESIDENTS (PGY 1 to 3)

1. Mausam Kuvadia (MGUH, Anesthesiology): Infection Prevention in the Anesthesia Work Environment
2. Aline Camargo (MHH, Internal Medicine): Sepsis and Altered Mental Status—the Value of CT Head Imaging
3. Marianne Wallis (MWHC, Emergency Medicine): Bedside End Tidal Carbon Dioxide in Evaluation for Pulmonary Embolism
3. Marco Ertreo (MGUH, Radiology): Pre-Treatment ^{99m}Tc-Mebrofenin Hepatobiliary Scintigraphy, an Adjuvant Predictor of Post-Radioembolization Clinical Status

FELLOWS (PGY 4 and above)

1. John Burkett (MGUH, Neurology): The Use of Sphenopalatine Ganglion Block as a Treatment for Primary Headache Disorders—a Survey of the American Headache Society Membership
1. Sumit Kunwar (MWHC, Rheumatology): Efficacy and Safety of Baricitinib in Patients With Rheumatoid Arthritis—a Meta-Analysis of Randomized Controlled Trials
2. Samuel Kallus (MGUH, Gastrointestinal): The Impact of Morbidity and Mortality Conference on Gastroenterologist's Behavior—Does Self and Peer Assessment Lead to Positive Change?
3. Pakeeza Alam (MWHC, OB/GYN): Randomized Cross-Over Comparison of Icon Reusable Underwear to Disposable Pads for the Management of Mild to Moderate Urinary Incontinence
3. Charles Daly (MUMH, Surgery): Effects of Medicaid Expansion on Hand Trauma and Quaternary Care—the Curtis National Hand Center Experience

RESEARCH FELLOWS

1. Elizabeth Coviello (MWHC, OB/GYN): Blood Loss by Technique that Predicts Postpartum Transfusion in Women With Postpartum Hemorrhage
2. Juan Vazquez (MWHC, Surgery/Burn): Pursuit of Biomarkers for Radiation Exposure Using a Two-Model Approach
3. Elliot Walters (MGUH, Surgery): Cross-Contamination of Operating Room Instruments During Excisional Debridement of Infected Wounds

RECOGNITION OF TOP CASE REPORTS

- **Something to Talc About**
Kathleen Ellison; Lisa Cotter; John Roman; Helena Pasioka (MWHC, PGY 1 to 3, Dermatology)
- **Buy None, Get Two Free: Aspergillus and Mycobacterium-Avium Intracellulare Co-Infection**
Pavan Bhat; Michelle Bahrain; Charmian Sittambalam (MFSMC, PGY 1 to 3, Internal Medicine)
- **The Great Immitator: TB or Metastases?**
Garima Narayan; Michelle Bahrain; Charmian Sittambalam (MFSMC, PGY 4 and above, Internal Medicine)
- **Papillary Thyroid Carcinoma With Axillary Lymph Node Extension: A Case Report Outlining Hypothesis for Locoregional Spread and Therapeutic Implications**
Whitney Sutton; Raul Caso; Anthony Villano; Randi Alexander; Diana Caragacianu (MGUH, PGY 1 to 3, General Surgery)
- **A Case of Sacroiliitis in Sarcoidosis**
Astha Joshi (MHH, PGY 1 to 3, Internal Medicine)
- **Valproate Associated Hyperammonemic Encephalopathy: A Cause of Altered Mental Status in Epilepsy Patients—a Case Report**
Paula Barreras; Zayd Nashaat (MUMH, PGY 1 to 3, Internal Medicine)
- **Case Report: A Rare Cause of Endocarditis, Nutrient Deficient Streptococcus**
Mary Zulty; Seyed Mohammad Hodanazari; Man Kit; Michael Siu (MUMH, PGY 1 to 3, Internal Medicine)
- **Symptomatic Hypercalcemia Due to a Giant Parathyroid Adenoma**
Min Ho Cho; Vitaly Kantorovich (MWHC, PGY 1 to 3, Internal Medicine)
- **An Uncommon Use for a Common Medication: Diazepam Suppositories for Proctalgia Fugax**
Sebastian Cousins; Diana Stewart; Hunter Groninger (MWHC, PGY 4 and above, Palliative Care)

Guide to Poster Presentations

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Obstetrics/Gynecology/Pediatrics/Neonatology	47
Oncology/Hematology	49
Orthopaedics/Sports Medicine	52



Top-scoring faculty abstracts for each research area are noted by **ORANGE** poster titles.

Poster 1: Compression Modulates Essential Cell Functions in an Animal Model of Hypertrophic Scar

Summary: Scar mitigation by compression is mediated by modulated expression of scores of genes with varied functions and not driven by a single molecule or function, or due to a mere fluid flow constriction or extrusion.

Authors: Abdulnaser Alkhalil; Bonnie Carney; Taryn Travis; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health

Contact: abdulnaser.alkhalil@medstar.net

Poster 2: Genome-Wide Exploration of Dyspigmentation in Swine Model of Hypertrophic Scar

Summary: Genomics were employed to explore mechanisms of scar dyspigmentation. Results introduced mechanisms of healing, oxidative stress, and inflammation as major players in dyspigmentation. Potential therapeutic and prevention targets were identified.

Authors: Abdulnaser Alkhalil; Bonnie Carney; Taryn Travis; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health

Contact: abdulnaser.alkhalil@medstar.net

Poster 3: Platelet Rich Plasma Treatment Accelerates Re-Epithelialization in a Murine Model of Excisional Wound Healing

Summary: Treatment of excisional wounds with platelet-rich plasma led to faster re-epithelialization compared to untreated control wounds.

Authors: Bonnie Carney; Benjamin Browne; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: bonnie.c.carney@medstar.net

Poster 4: Treatment Strategies for Hypopigmentation in the Context of Burn Hypertrophic Scars

Summary: Hypopigmented lesions can be treated surgically with MKTP, less invasively with LASER-assisted drug delivery of synthetic inducers of pigmentation, such as NDP α -MSH, or noninvasively with topical application of tacrolimus.

Authors: Bonnie Carney; Jacqueline McKesey; Dean Rosenthal; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: bonnie.c.carney@medstar.net

Poster 5: An Investigational Study of Titanium Plasma Spray on Osseointegration of Peek and Titanium Implants: An In Vivo Ovine Model

Summary: Using an in vivo model, the current study demonstrated the biological and biomechanical advantages of coating implants with titanium plasma spray (TPS), which may offer acute and long-term clinical benefit by improving implant osseointegration.

Authors: Bryan Cunningham; Jessica Riggelman; Kenneth Mullinix; Wenhai Wang

Entity: MedStar Union Memorial Hospital

Contact: bryan.w.cunningham@medstar.net

Poster 6: Comprehensive Experimental Analysis of Lumbosacral Rod Strain Following Unilateral Iliac Screw Instrumentation for Deformity Correction

Summary: Unilateral iliac screw fixation in adult-deformity surgery produces an eccentric biomechanical loading pattern, may serve as causative factor in instrumentation complications, and appears contraindicated unless augmented with a structural interbody fusion.

Authors: Bryan Cunningham; Sun-Ren Sheng; Yazeed Gussous; Sigurd Berven

Entity: MedStar Union Memorial Hospital

Contact: bryan.w.cunningham@medstar.net

Poster 7: Reduction of In Vitro Pseudomonas Biofilm Density Using Hypochlorous Acid

Summary: The ability of Vashe Wound Solution (VWS), a hypochlorous acid-based cleanser, to disrupt biofilms of pseudomonas aeruginosa clinical isolates was tested. There was significant reduction for all isolates when VWS was used compared to the control.

Authors: Anna Day; Bonnie Carney; Kyle Monger; Abdulnaser Alkhalil; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: anna.day@medstar.net

Poster 8: Anti-Seizure Medications Exposure in the Neonatal Period, Oxidative Stress, and Neurobehavioral Outcomes in Rodent Model

Summary: Anti-seizure medications that cause neuronal apoptosis, such as phenobarbital, are likely to be associated with oxidative stress and cause adverse neurobehavioral outcomes. They also cause long-lasting MRI changes that may predict poor NBO.

Authors: Suhasini Kaushal; Patrick Forcelli

Entity: MedStar Georgetown University Hospital

Contact: suhasini.x.kaushal@gunet.georgetown.edu

Poster 9: Cholesterol Biosynthesis Is Modulated by Compression and Is Associated With Scar Improvements

Summary: We show a strong involvement of cholesterol in scar development and attenuation through compression therapy, and identified the underlying genes involved.

Authors: Michael Kebede; Abdunaser Alkhalil; Bonnie Carney; Taryn Travis; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: michael.m.kebede@medstar.net

Poster 10: Persistent Reactive Oxygen Species Damage Contributes to Hypertrophic Scar Phenotype After Wound Closure

Summary: In hypertrophic scar, there is persistent damage occurring because the balance of ROS synthesis and scavenging is shifted toward synthesis. Exogenous ROS scavengers may be useful to shift this balance back to normal.

Authors: Robert Smith; Bonnie Carney; Maha Rummani; Jason Chen; Abdunaser Alkhali; Lauren Moffatt;

Dean Rosenthal; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: robert.d.smith2@medstar.net

Poster 11: Compression Induces Changes in Calcium Transport Associated With Improved Wounds Outcomes

Summary: We highlight the important role of calcium balance in scar progression and wound healing, and show that compression therapy affects both calcium signaling and transport.

Authors: Robert Smith; Abdunaser Alkhalil; Bonnie Carney; Taryn Travis; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: robert.d.smith2@medstar.net

Poster 12: Matrix Metalloproteinases Are Differentially Regulated and Responsive to Compression Therapy in a Red Duroc Model of Hypertrophic Scar

Summary: A swine model of hypertrophic scar was used to examine the effect of compression therapy on matrix metalloproteinases in experimental wounds.

Authors: Taryn Travis; Pejman Ghassemi; Nicholas Prinzeze; Lauren Moffatt; Bonnie Carney; Abdunaser Alkhalil;

Jessica Ramella-Roman; Jeffrey Shupp

Entity: MedStar Washington Hospital Center

Contact: taryn.e.travis@medstar.net

Poster 13: CDd8+ Tissue-Resident Memory T Cells Are Key Effector Cells in Intestinal Transplantation Patients With GvHD

Summary: This study aims to test the hypothesis that TRM play a critical effector role in graft-versus-host disease (GvHD) in ITx patients.

Authors: Brenna Houlihan; Abdulla Karabala; Raffaele Girlanda; Jason Hawksworth; Cal Matsumoto; Michael Zasloff; Thomas Fishbein; Alexander Kroemer

Entity: MedStar Georgetown University Hospital

Contact: oswaldo.aguirre@gunet.georgetown.edu

Poster 14: The Impact of Using Pure Hypochlorous Acid for Intracavitary Irrigation and Lavage

Summary: Irrigation of body cavities is an essential component of many surgical procedures. Hypochlorous acid (HOCl) has been proposed as a substitution for saline because of its antiseptic properties. Here, HOCl is used in surgical procedures in rats to assess safety.

Authors: Robert Ball; Juan Vazquez; Kyle Monger; Anna Day; Bonnie Carney; Martin Robson; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Washington Hospital Center/MedStar Health Research Institute

Contact: robert.ball@medstar.net

Poster 15: Hydralazine Attenuates the Development of Hypertension in the Female Dahl Salt-Sensitive Rat in a T Cell-Independent Manner

Summary: For more than a decade scientists have tried to understand the role that T cells play in hypertension. Here we show that development of spontaneous hypertension can be prevented independently of Helper T cell frequencies.

Authors: Amrita Pai; Crystal West; Aline Souza; Parnika Kadam; Emma Pollner; David West, Jr.; Hong Ji; Xie Wu; Kathryn Sandberg

Entity: Georgetown University

Contact: avp37@georgetown.edu

Poster 16: Pursuit of Biomarkers for Radiation Exposure, Using a Two-Model Approach

Summary: Whole-body irradiated mice revealed distinct dose- and time-dependent differences in gene expression. The downregulation in ADTRP may explain the procoagulant profile seen in the ex-vivo irradiated human blood, via a decrease in the activity of TFPI.

Authors: Juan Vazquez; John Clifford; Maria Bravo; Thomas Orfeo; Melissa McLawhorn; Lauren Moffatt; Kathleen Brummel-Ziedins; Jeffrey Shupp

Entity: MedStar Washington Hospital Center/Firefighters' Burn and Surgical Research Laboratory

Contact: juan.s.vazquez@medstar.net

Poster 17: Human Herpes Virus Activates MAPK/ERK Signaling via Down-Regulation of DUSP1 in Thyroid Cancer Cells

Summary: The study compares the gene expression patterns between HSV-positive and HSV-negative human thyroid cancers, and determines HSV effects on the activation of signaling pathways in thyroid cancer cell lines.

Authors: Dorina Ylli; Kirk Jensen; Aneeta Patel; Leonard Wartofsky; Kenneth Burman; Vasyl Vasko

Entity: MedStar Health Research Institute

Contact: dorina.ylli@umed.edu.al

 **Cardiovascular/Pulmonary**

Poster 18: Characteristics and Outcomes of LVAD Recipients With Cardiac Sarcoidosis

Summary: Symptomatic cardiac sarcoidosis (CS) is associated with significant morbidity and mortality as some of these patients progress to stage D heart failure. There is conflicting data regarding survival of CS patients (pts) when they undergo cardiac transplant.

Authors: Sara Ahmed; Farooq Sheikh

Entity: MedStar Cardiovascular Research Network

Contact: sara.ahmed1@gmail.com

Poster 19: Reproducibility of Optical Coherence Tomography and Intravascular Ultrasound Imaging Data Analysis in the Setting of a Core Laboratory

Summary: We assessed the in vivo inter- and intra-observer reproducibility of OCT and IVUS imaging techniques in a core laboratory setting, and the results demonstrate that the geometrical OCT and IVUS analyses measurement are acceptably reproducible.

Authors: Solomon Beyene; Kayode Kuku; Faranak Zamanai; Gebremedhin Melaku; Aaphtaab Dheendsa; Alexandre Hideo-Kajita; Yael Meirovich; Viana Azizi; Echo Brathwaite; Dan Kazuhiro; Yuichi Ozaki; Hector Garcia-Garcia

Entity: MedStar Washington Hospital Center

Contact: solomon.s.beyene@medstar.net

Poster 20: Rapid Transition From Parenteral to Oral Treprostinil

Summary: Rapid transition from parenteral to oral treprostinil is safe and reduces the length of the required hospitalization, reducing the cost of the transition as well as the total time patients are exposed to potential complications of hospitalization.

Authors: Anil Jonnalagadda; Spencer Liu; Laura Bryan; Julie Dias; Lisa Peters; Hunter Groninger; Sara Ahmed; Aaron Bagnola; Denise Lewis; Oksana Shlobin; Selma Mohammed; Christopher Barnett

Entity: MedStar Washington Hospital Center

Contact: aniljmbbs@gmail.com

Poster 21: Multi-Modality Intravascular Imaging Evaluation of Coronary Atherosclerotic Changes in Plaque Composition at Side-Branches

Summary: Detection of high-risk plaques may be improved via intravascular imaging. This study sought to investigate via intravascular ultrasound-virtual histology and optical coherence tomography the changes in the atherosclerotic plaque components at bifurcations.

Authors: Kayode Kuku; Hector Garcia-Garcia; Micaela Iantorno; Alexandre Hideo-Kajita; Yael Meirovich; Viana Azizi; Gebremedhin Melaku; Aaphtaab Dheendsa; Solomon Beyene; Echo Brathwaite; Faranak Zamani; Yuichi Ozaki; Kazuhiro Dan; Ron Waksman

Entity: MedStar Health Research Institute

Contact: kayode.o.kuku@medstar.net

Poster 22: Inflammation Contributes to the Deterioration of Cardiac Function in Ischemic Cardiomyopathy (ICM)

Summary: We investigated the role of inflammation in a mouse model of chronic cardiomyopathy. We characterized the involvement of different immune cells in the heart and systemically in the circulation. We found that neutrophils accumulate in the injured heart.

Authors: Dror Luger; Michael Lipinski; Stephen Epstein

Entity: MedStar Washington Hospital Center

Contact: dror.luger@medstar.net

Poster 23: Utilizing Musculoskeletal Ultrasound to Increase Diagnostic Sensitivity for Gout in a Cohort of Patients With Severe Heart Failure

Summary: There is strong association between hyperuricemia, gout, and heart failure. With the assistance of musculoskeletal ultrasound, we performed a study in patients with severe heart failure to determine the prevalence of clinical and subclinical gout.

Authors: Anastasia Markopoulou; Deborah Kim; Diman Lamichhane; Raj Nair; Suneetha Jasty; Hala Deeb; Sameer Desale; Samer Najjar; Arthur Weinstein; Christopher Collins; Florina Constantinescu

Entity: MedStar Washington Hospital Center

Contact: anastasia.markopoulou@medstar.net

Poster 24: Left Cardiac Chambers Longitudinal Strain Differences Between Diastolic Dysfunction Grades in Elderly Population With Severe Aortic Stenosis Before and One Year After Transcatheter Aortic Valve Replacement

Summary: In TAVR patients, baseline LA strain worsened parallel to diastolic dysfunction (DD) grading. At one-year post-procedure, only DD grades I and II improved, both for LA and LV strain. TAVR patients with grade III DD may be at an irreversible stage.

Authors: Diego Medvedofsky; Tatsuya Miyoshi; Edward Koifman; Toby Rogers; Linzhi Xu; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Ron Waksman; Federico Asch

Entity: MedStar Health Research Institute

Contact: diego.a.medvedofsky@medstar.net

Poster 25: Size, Ejection Fraction, and Longitudinal Strain Analyses to Assess Remodeling in All Four Cardiac Chambers Following Transcatheter Aortic Valve Replacement

Summary: One-year post-TAVR heart remodeled by improvement in left cardiac chambers function indices (ejection fraction and strain), while the degree of change for the LV/LA strain is almost twice that of EF. No size or function changes were noted for RV or RA.

Authors: Diego Medvedofsky; Tatsuya Miyoshi; Toby Rogers; Linzhi Xu; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Ron Waksman; Federico Asch

Entity: MedStar Health Research Institute

Contact: diego.a.medvedofsky@medstar.net

Poster 26: Spiritual Aim and the Work of the Chaplain: A Model for Assessing Spiritual Needs of Patients With Advanced Lung Disease and Patients With Amyotrophic Lateral Sclerosis

Summary: In an effort to expand palliative care services to patients with non-malignant diseases, we explore the role of the chaplain and the effects of Spiritual AIM intervention on spiritual well-being, dignity, and distress.

Authors: Michelle Milic; Kristen Parnes; Busara Nathanson; Devin Gilhuly

Entity: MedStar Georgetown University Hospital

Contact: michelle.m.milic@gunet.georgetown.edu

Poster 27: Echocardiography and Computed Tomography Evaluation of Transcatheter Aortic Valve Replacement in Low-Risk Patients With Symptomatic Severe Aortic Stenosis

Summary: The Core lab provides a platform of blinded, independent, unbiased, standardized analysis of echocardiograms and CTs that allows for data collection that will evaluate safety and efficacy of TAVR in this population.

Authors: Fernando Rodriguez-Weisson; Diego Medvedofsky; Maria Heredia-Garcia; Amir A. Zohdi; Maria T. Tupas-Habib; Petros Okubagzi; Rebecca Torguson; Gaby Weissman; Ron Waksman; Federico Asch

Entity: MedStar Health Research Institute

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Poster 28: Role of Imaging in Percutaneous Approaches to Treat Mitral Regurgitation: A Report From the Cardiovascular Core Laboratory

Summary: The MHRI CV Core Laboratories are leading the field in innovation of percutaneous treatments of mitral valve disease. The imaging analysis performed will form the basis for applications seeking device approval by the FDA and other regulatory agencies.

Authors: Biruk Teklehaymanot; Diego Medvedofsky; Robin Edelberg; Lin Han; Vladimir Masati; Valiere Morgan; Maria de Lourdes Heredia Garcia; Amir Zohdi; Samuel Legarreta; Maria Tupas-Habib; Gaby Weissman; Neil Weissman; Federico Asch

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Poster 29: Incidence of Takotsubo Syndrome Recurrence and Its Associated Mortality Rate: A Systematic Review

Summary: Takotsubo Syndrome is a reversible cardiomyopathy triggered by episodes of sudden physical or emotional distress, leading to apical ballooning and overall enlargement of the LV. Our results are in agreement with such correlation.

Authors: Faranak Zamani; Viana Azizi; Alexandre Kajita; Aaphtaab Dheendsa; Solomon Beyene; Gebremedhin Melaku; Kayode Kuku; Yael Meirovich; Echo Brathwaite; Kazuhiro Dan; Yuichi Ozaki; Hector Garcia-Garcia

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Poster 30: The Impact of Parameters Analysis and Optimization on Telemetry Alarms

Summary: Optimizing the telemetry alarm thresholds decreased the number of unnecessary alarms, which may improve patient safety, and reduce alarm fatigue and the costs associated with nursing time.

Authors: Rahul Bhoite; Farshid Fargahi; Thomas Breakey; Kristen Roig; Alex Yazaji

Entity: MedStar Health Internal Medicine

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Poster 31: Role of Contractile Reserve as a Predictor of Mortality in Low-Flow, Low-Gradient Severe Aortic Stenosis Patients Following Transcatheter Aortic Valve Replacement

Summary: In patients with low-flow, low-gradient severe aortic stenosis, retrospective analysis revealed that the presence or lack of contractile reserve has no impact on one-year mortality following TAVR.

Authors: Kyle Buchanan; Micaela Iantorno; Deepak Gajanana; Jiaxiang Gai; Rebecca Torguson; Petros Okubagzi; Itsik Ben-Dor; Lowell Satler; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: kyle.d.buchanan@medstar.net

Poster 32: Coronary Perfusion Pressure and Left Ventricular Hemodynamics as Predictors of Cardiovascular Collapse Following Percutaneous Coronary Intervention

Summary: Retrospective analysis of patients presenting with myocardial infarction and undergoing percutaneous intervention revealed neither left ventricular end-diastolic pressure nor coronary perfusion pressure are predictive of cardiovascular collapse.

Authors: Kyle Buchanan; Micaela Iantorno; Deepak Gajanana; Toby Rogers; William Suddath; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Jiaxiang Gai; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: kyle.d.buchanan@medstar.net

Poster 33: Noninvasive Imaging for Cardiac Sarcoidosis: An Assessment of the Role of Cardiac MRI and PET Imaging

Summary: Cardiac MRI may be superior to PET as a diagnostic test in the screening of cardiac sarcoidosis.

Authors: Jonathan Day; Selma Mohammed; Sara Ahmed; Gaby Weissman; Farooq Sheikh

Entity: MedStar Washington Hospital Center

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Poster 34: Prospective Implementation of EMR-Based Heart Score From Increased Chest Pain Admissions

Summary: Application of EMR-based HEART score form shows a statistically significant increase in hospitalizations in patients with chief complaints of chest pain.

Authors: Marc Hiller; Edward Descallar; Adam Gray; Nick Tsipis; Matthew Wilson; Ethan Booker; E. Gregory Marchand; Jeffrey Dubin

Entity: MedStar Health

Contact: descallare@gmail.com

Poster 35: High Diastolic Blood Pressure and Outcomes in Patients With Heart Failure and Preserved Ejection Fraction and Hypertension: Findings From Medicare-Linked Optimize-HF Registry

Summary: According to the 2017 update of the 2013 ACCF/AHA HF guideline, systolic BP (SBP) should be lowered to <130 mmHg in euvolemic patients (pts) with HFpEF and persistent HTN. However, little is known about the role of high diastolic BP (DBP) on outcomes in these patients.

Authors: Daniel Dooley; Phillip Lam; Ali Ahmed

Entity: MedStar Georgetown University Hospital/MedStar Washington Hospital Center

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Poster 36: Comparing Prevalence of Pulmonary Embolism (PE) in an Urban Tertiary Care Center After Implementation of ACCP/ATS Practice Guidelines on Choosing Wisely Regarding Imaging Tests

Summary: This study aims to examine if an expected decrease in unnecessary imaging for PE suspicion in patients with low pre-test probability actually occurred at MedStar Washington Hospital Center following the implementation of the Choosing Wisely guidelines.

Authors: Bilal ElCharani; Kimberley Doucette; Tanuj Sharma; Genese Lamare; Chee Chan

Entity: MedStar Washington Hospital Center

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Poster 37: Transcatheter Aortic Valve Replacement in Patients With Symptomatic Severe Aortic Stenosis and Prior External Chest Radiation

Summary: In patients with symptomatic severe aortic stenosis (AS) and prior chest radiation, surgical aortic valve replacement (SAVR) is associated with poorer short- and long-term outcomes. TAVR appears to be a safe alternative in this cohort.

Authors: Deepakraj Gajanana; Toby Rogers; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Vinod Thourani; Micaela Lantorno; Kyle Buchanan; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: deepakraj.gajanana@medstar.net

Poster 38: The Clinical Characteristics, Procedural Factors, and Outcomes of Percutaneous Coronary Intervention (PCI) in Patients With Mechanical Valves Versus Bioprosthetic Valves

Summary: Our study compares the contemporary PCI strategy in patients with mechanical and bioprosthetic valves. Mechanical heart-valve patients often present with acute coronary syndrome, requiring anti-platelet therapies, thus increasing the adverse events.

Authors: Deepakraj Gajanana; Toby Rogers; Micaela Lantorno; Kyle Buchanan; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Vinod Thourani; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: deepakraj.gajanana@medstar.net

Poster 39: Evaluation of Depression and Anxiety, and Their Influence on Outcomes in Adult Patients With Cystic Fibrosis

Summary: This study characterizes the presence of anxiety/depression in an adult population with cystic fibrosis, and evaluates its influence on patient outcomes. Patients with depression/anxiety had more hospitalizations, substance abuse, and opioid use.

Authors: Rebecca Gersten; Brenna Cannon; Melissa Bowen; Elizabeth Davies; Anne Brown

Entity: MedStar Georgetown University Hospital

Contact: rebecca.anna.gersten@gmail.com

Poster 40: Is Echocardiography More Sensitive Than CT and Cardiac Magnetic Resonance (CMR) in Quantifying Pericardial Effusion? A Comparison to Volumetric Analysis

Summary: Our study is the first to compare the accuracy of quantification of pericardial effusion by a wide variety of multimodality imaging to the volume actually drained by pericardiocentesis or pericardial window.

Authors: Neha Gupta; Saqer Alkharabsheh; Christine Jellis; Allan Klein

Entity: MedStar Heart & Vascular Institute/Cleveland Clinic

Contact: g.neha03@gmail.com

Poster 41: Thinner Struts in Drug-Eluting Stents and Outcomes: A Network Meta-Analysis of Randomized Controlled Trials

Summary: Drug-eluting stents with thinner struts are associated with decreased rate of stent thrombosis and myocardial infarction.

Authors: Micaela Iantorno; Michael Lipinski; Brian Forrestal; Hector Garcia-Garcia; Deepak Gajanana; Rebecca Torguson; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: micaela.iantorno@medstar.net

Poster 42: Sex and Racial Disparities in Outcomes in Patients Undergoing Coronary Percutaneous Intervention: Data From a Large Tertiary Center

Summary: In a large cohort of patients with coronary artery disease undergoing PCI, we observed, in a retrospective analysis, significant race and sexual disparities in outcomes even after adjustment for clinical presentation and cardiovascular risk factors.

Authors: Micaela Iantorno; Rebecca Torguson; Deepakraj Gajanana; Kyle Buchanan; Michael Lipinski; William Weintraub; Ron Waksman

Entity: MedStar Washington Hospital Center

Contact: micaela.iantorno@medstar.net

Poster 43: Comparison of Clinical Outcomes Between Magmaris (Dreams 2G) and Orsiro Drug Eluting Stents: Pooled Patient Level Analysis from Biosolve II-III and Bioflow II Trials

Summary: This study aims to compare the unadjusted clinical outcomes of patients treated with Orsiro and Magmaris at 12 months. Adjusted event rates will be presented.

Authors: Alexandre Kajita; Hector Garcia-Garcia; Hüseyin Ince; Alexandre Abizaid; Ralph Töelg; Pedro Lemos; Nicolas Mieghem; Stefan Verheye; Stephan Kirsch; Clemens von Birgelen; Evald Christiansen; William Wijns; Thierry Lefèvre; Stephan Windecker; Ron Waksman; Michael Haude

Entity: MedStar Washington Hospital Center

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Poster 44: Sex Differences in Reverse Remodeling After Unloading by Contemporary Left Ventricular Assist Devices (LVADs)

Summary: The magnitude of favorable remodeling in response to left ventricular unloading by a left ventricular assist device was greater in women compared with men, even after accounting for baseline differences, body size, device type, and ischemic HF etiology.

Authors: Benjamin Kenigsberg; David Majure; Nana Afari-armah; Farooq Sheikh; Mark Hofmeyer; Maria Rodrigo; Ezequiel Molina; Steven Boyce; Samer Najjar; Selma Mohammed

Entity: MedStar Washington Hospital Center

Contact: benjamin.b.kenigsberg@medstar.net

Poster 45: Correlation Between Net Fluid and Weight Loss, and Changes in Filling Pressures in Acute Decompensated Heart Failure

Summary: In a population with advanced ADHF, there was a modest correlation between fluid and weight loss, and weak or no correlation of either with changes in filling pressures.

Authors: Selma Mohammed; Vijay Brar

Entity: MedStar Washington Hospital Center/MedStar Georgetown University Hospital

Contact: jkim319@gmail.com

Poster 46: Low Diastolic Blood Pressure and Outcomes in Patients With Heart Failure and Preserved Ejection Fraction and Hypertension: Findings From the Medicare-Linked Optimize-HF Registry

Summary: In patients with HFpEF and HTN with SBP \geq 130 mm Hg, a discharge DBP of $<$ 70 mm Hg was associated with worse clinical outcomes.

Authors: Phillip Lam; Daniel Dooley; Gregg Fonarow; Ali Ahmed

Entity: Georgetown University/MedStar Washington Hospital Center

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Poster 47: Mid-Ventricular Variant Takotsubo Cardiomyopathy in the Setting of Midodrine Use

Summary: Recent Midodrine use contributed to increased sympathomimetic activity, and possibly caused a degree of coronary vasospasm resulting in Takotsubo Cardiomyopathy.

Authors: Adelaida Matevosyan; Brittany Duchene

Entity: MedStar Harbor Hospital

Contact: adamatevosyan@gmail.com

Poster 48: Does Left Ventricular Global Longitudinal Strain Differentiate Low-Flow, Low-Gradient Severe Aortic Stenosis Patients in Addition to Conventional Contractile Reserve Assessment?

Summary: We aim to describe left ventricular global longitudinal strain during Dobutamine stress echocardiography in low-flow, low-gradient severe aortic stenosis patients, and compare to conventional contractile reserve.

Authors: Tatsuya Miyoshi; Diego Medvedofsky; Kyle Buchanan; Toby Rogers; Linzhi Xu; Itsik Ben-Dor; Lowell Satler; Rebecca Torguson; Ron Waksman; Federico Asch

Entity: MedStar Health Research Institute

Contact: tatsuya.miyoshi@medstar.net

Poster 49: Rationale and Design of the World Alliance of Societies of Echocardiography (WASE) Normal Values Study

Summary: The American Society of Echocardiography, in collaboration with echocardiography societies from around the world, is leading a study to establish and compare normal echocardiographic values across different races, ethnicities, and countries.

Authors: Tatsuya Miyoshi; Diego Medvedofsky; Jose Banchs; Rhonda Proce; Vera Rigolin; James Thomas; Neil Weissman; Susan Wieggers; Roberto Lang; Federico Asch

Entity: MedStar Health Research Institute

Contact: tatsuya.miyoshi@medstar.net

Poster 50: Systolic Blood Pressure (SBP)

Summary: According to 2017 update of 2013 ACCF/AHA HF guideline, SBP should be lowered to <130 mmHg in euvolemic patients (pts) with HFpEF and persistent HTN.

Authors: Apostolos Tsimploulis; Phillip Lam; Poonam Bhyan; Daniel Dooley; Prakash Deedwania; Selma Mohammed; Gurusher Panjra; Javed Butler; Ioannis Kanonidis; Cherinned Arundel; Charity Morgan; Farooq Sheikh; Gaby Weissman; Wilbert Aronow; Gregg Fonarow; Ali Ahm

Entity: MedStar Washington Hospital Center

Contact: apostolos.tsimploulis@medstar.net

Poster 51: Bedside End Tidal Carbon Dioxide in Evaluation for Pulmonary Embolism

Summary: We evaluated the use of end tidal carbon dioxide (ETCO₂) as a screening modality for clinically significant pulmonary embolism by measuring it in patients with suspected PE, and comparing values in patients who had or did not have clinically significant PE.

Authors: Marianne Wallis; Matthew Wilson; Lydia Koroshetz; Rui Soares; Munish Goyal; Mihriye Mete

Entity: MedStar Washington Hospital Center

Contact: marianneWallis@gmail.com

Case Reports

Poster 52: Regadenoson Cardiac Stress Test Induced Takotsubo Cardiomyopathy

Authors: Muhammad Ahsan; Preetham Kumar

Entity: MedStar Washington Hospital Center/MedStar Georgetown University Hospital

Contact: muhammad.ahsan@medstar.net

Poster 53: A Case of Severe Chronic Obstructive Pulmonary Disease (COPD) Associated With Excessive Dynamic Airway Collapse (EDAC)

Authors: Valentina Baez Sosa; Aneesah Jaumally; Mark Gosnell

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Contact: valentinabaezs@gmail.com

Poster 54: Pulmonary Stenosis Following Ross Procedure: A Late Complication

Authors: Neelam Baral; Binaya Basyal
Entity: MedStar Washington Hospital Center
Contact: neelam.baral@medstar.net

Poster 55: Pulmonary Veno-Occlusive Disease: A Rare Cause of Pulmonary Hypertension

Authors: Binaya Basyal; Neelam Baral; Christopher Barnett; Brian Cuneo
Entity: MedStar Washington Hospital Center
Contact: binaya.basyal@medstar.net

Poster 56: Right Coronary Artery Injury Following Atrial Flutter Ablation: A Rare Complication

Authors: Binaya Basyal; Neelam Baral; Michael Goldstein
Entity: MedStar Washington Hospital Center
Contact: binaya.basyal@medstar.net

Poster 57: A 55-Year-Old Woman With Recent Onset of Frequent Episodes of Near Syncope

Authors: Raj Dangol; Rupa Patil
Entity: MedStar Health Internal Medicine
Contact: raj.k.dangol@medstar.net

Poster 58: An Unusual Cause of Acute Heart Failure: A Case Report of Ilio-Caval Venous Stent Migration

Authors: Sherif Elmahdy; Muhamad Alhaj Moustafa
Entity: MedStar Washington Hospital Center
Contact: selmahdy1@gmail.com

Poster 59: Gerbode Defect Presenting as Complete Heart Block in Bicuspid Aortic Valve Endocarditis

Authors: Rama Hritani; Phillip Lam; Christy Kaiser
Entity: MedStar Washington Hospital Center
Contact: rama.hritani@medstar.net

Poster 60: Peribronchovascular Ring-Shaped Opacities as an Unusual Presentation of Nivolumab-Induced ILD: A Vascular Halo Sign?

Authors: Julio Huapaya; Christopher Wyckoff
Entity: MedStar Georgetown University Hospital
Contact: julioarturo30@gmail.com

Poster 61: Cushing's Syndrome: A New "Dissection" of an Old Disease

Authors: Lakshmi Jayaram; Vipul Madhwani; Sailaja Pindiprolu
Entity: MedStar Washington Hospital Center
Contact: lakshmi.a.jayaram@medstar.net

Poster 62: Oral Treprostinil (Orenitram) Overdose in a Patient With Pulmonary Arterial Hypertension: A Case Report

Authors: Harish Jarett; Anil Jonnalagadda; Aaron Bagnola; Denise Lewis; Selma Mohammed; Christopher Barnett
Entity: MedStar Washington Hospital Center
Contact: aniljmbbs@gmail.com

Poster 63: Recurrent Spontaneous Pneumothoraces in an Adolescent Female

Authors: Andrew Kramer; Maria Bautista
Entity: MedStar Georgetown University Hospital Pediatrics
Contact: andrew.w.kramer@gunet.georgetown.edu

Poster 64: Achy Breaky Heart

Author: Sandeep Kumar
Entity: MedStar Health
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Poster 65: Limb Perfusion via Ex-Vivo Percutaneous Bypass in Patient With Severe Peripheral Arterial Disease Requiring Impella Support

Authors: Homam Moussa Pacha; Nelson Bernardo

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Poster 66: NPPE: A Potentially Fatal Missed Connection

Authors: Natasha Nundy; Charmian Sittambalam

Entity: MedStar Health

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Poster 67: Chinese Herbal Medications Resulting in Acute Heart Failure: A Case of Eosinophilic Myocarditis

Authors: Syed Qamer; Lakshmi Jayaram

Entity: MedStar Georgetown University Hospital

Contact: syed.z.qamer@gunet.georgetown.edu

Poster 68: Post-Myocardial Infarction, Left Ventricular Pseudoaneurysm

Author: Mohamad Soud

Entity: MedStar Washington Hospital Center

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Poster 69: Takotsubo Cardiomyopathy in the Setting of Acute Respiratory Failure

Author: Sujan Thapaliya

Entity: MedStar Harbor Hospital

Contact: sujan_th@hotmail.com

Poster 70: A Rare Case of Metastatic Lymphoma Involving the Myocardium

Authors: Karthik Vedantam; Syed Nazeer Mahmood

Entity: MedStar Washington Hospital Center

Contact: karthikved87@gmail.com

 **Combined Medical Specialties**

Poster 71: Beyond the HCV Treatment Cascade: Investigating Adherence With Liver Cancer Screening in HCV Patients With Advanced Liver Fibrosis or Cirrhosis

Summary: This study examines adherence with HCC screening guidelines in currently infected or cured HCV patients with advanced liver fibrosis or cirrhosis. This study also examines the factors associated with screening adherence.

Authors: Christopher Folgueras; Whitney Nichols; Alexander Geboy; Sameer Desale; Stephen Fernandez; Peter Basch; Dawn Fishbein

Entity: MedStar Health Research Institute

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Poster 72: Cholesterol Efflux Capacity is Low in Youth with Type 1 Diabetes and Associated With Small HDL Particle Number Independent of Traditional Risk Factors

Summary: We investigated cardiovascular risk factors in youth with type 1 diabetes (T1DM). We found that youth with T1DM have atherogenic lipoprotein particles (such as small size LDL and HDL cholesterol) and low cholesterol efflux capacity compared to healthy controls.

Author: Evgenia Gourgari

Entity: MedStar Georgetown University Hospital

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Poster 73: Hypovitaminosis D as a Risk Factor for Irritable Bowel Syndrome in Individuals With Medically Complicated Obesity

Summary: The high prevalence of irritable bowel syndrome in individuals with medically complicated obesity is associated with hypovitaminosis D.

Authors: Anand Nath; John Brebbia; Timothy Shope; Timothy Koch

Entity: MedStar Washington Hospital Center

Contact: timothy.r.koch@medstar.net

Poster 74: Evaluation of the Relationship of Reproductive Hormones to Radioiodine Breast Uptake in Patients With Differentiated Thyroid Cancer: A Pilot Study

Summary: This pilot study aimed to evaluate the relationship between uptake of radioiodine in the breast and reproductive hormones. The information, in turn, will help guide future research to potentially identify methods to reduce excessive I-131 in breast.

Authors: Kanchan Kulkarni; Anagha Kumar; Di Wu; Douglas Van Nostrand

Entity: MedStar Washington Hospital Center

Contact: kpk002@yahoo.com

Poster 75: Microlearning Approach to Insulin Self-Management Education Shows High Engagement Levels Among New Insulin Users

Summary: We developed and piloted cloud-based microlearning videos for patients with Type 2 diabetes that are new to insulin use. Patients had high engagement with the videos and showed improved attitudes toward insulin use and improved patient activation.

Authors: Carine Nassar; Clayton Bourges; Michelle Magee

Entity: MedStar Health Research Institute

Contact: carine.m.nassar@medstar.net

Poster 76: Correlating Pre-Therapy Clinical Evaluation and Post-Therapy Response With Patient-Specific Dosimetry in I-131 Therapy of Metastatic Differentiated Thyroid Cancer

Summary: The objective of this study was to correlate retrospective I-124 PET/CT-based patient specific normal organ and lesional dosimetry for I-131 therapy with patients' response to therapy. Preliminary results from three patients are presented.

Authors: Donika Plyku; Di Wu; Jasmine Byard; Taneshea Brown; Robert Hobbs; George Sgouros; Douglas Van Nostrand

Entity: MedStar Health/Johns Hopkins University

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Poster 77: Development of Portable Teaching Kitchen Model With Innovative Infrastructure and Continuous Participant Feedback Loop

Summary: A teaching kitchen pilot was launched at MedStar Health as a proof of concept in the form of a quality-improvement project to gauge the feasibility and sustainability of an affordable portable culinary and lifestyle medicine program.

Authors: Terri Stone; Elizabeth Hwang; Renee Kakareka; Dawn Bellanti; Zeba Geloo

Entity: MedStar Institute for Innovation

Contact: theresa.a.stone@medstar.net

Poster 78: New Use for an Old Isotope

Summary: ^{99m}Tc-sestamibi may have a role in thyroid cancer localization when physical exam, neck ultrasound, radioiodine scan, chest/abdomen CT, and ¹⁸F-FDG PET/CT could not identify.

Authors: Di Wu; Dorina Ylli; Cristiane Gomes Lima; Kenneth Burman; Leonard Wartofsky; Douglas Van Nostrand

Entity: MedStar Health Research Institute

Contact: douglas.van.nostrand@medstar.net

Poster 79: Impact of Measures of Inflammation on Risk Prediction for Cardiovascular Disease and Death in Patients With Chronic Kidney Disease

Summary: The utility of including measures of kidney function and inflammation for predicting atherosclerotic vascular disease events and death in patients with chronic kidney disease has not been rigorously studied. We present a model incorporating such measures.

Authors: Richard Amdur; Ian Barrows

Entity: MedStar Georgetown University Hospital

Contact: ianbarrows@gmail.com

Poster 80: Mitotane as a Novel Agent for the Treatment of Aggressive Thyroid Cancer

Summary: Mitotane has been traditionally used in the treatment for adrenocortical carcinoma. In this study, we repositioned mitotane for the treatment of aggressive thyroid cancer, using its mitotoxic effects. Mitotane can be further studied in clinical trials.

Authors: Athanasios Bikas; Kirk Jensen; John Costello; Aneeta Patel; Leonard Wartofsky; Kenneth Burman; Vasyly Vasko

Entity: MedStar Georgetown University Hospital

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Poster 81: Intrathyroid Parathyroid Cyst: A Rare Cause of Hyperparathyroidism

Summary: Parathyroid cysts are rare lesions found in the neck or anterior mediastinum. There are fewer than 300 documented cases of parathyroid cysts, which make up only 0.6 percent of all reported thyroid and parathyroid lesions.

Authors: Ariane Davis; Pamela Schroeder; Rani Kulkarni

Entity: MedStar Union Memorial Hospital

Contact: ariane.c.davis@medstar.net

Poster 82: A Descriptive Study of the Clinical Characteristics of Emergency Department Patients Intoxicated With Synthetic Cannabinoids

Summary: A descriptive study on a convenience sample of Emergency Department patients of the clinical features exhibited by patients under the influence of specifically identified synthetic cannabinoids.

Authors: Lindsey DeGeorge; Diane Sauter; Maryann (Mazer) Amirshahi; Chikarlo Leak

Entity: MedStar Georgetown University Hospital/MedStar Washington Hospital Center

Contact: degeorge.lindsey@gmail.com

Poster 83: Are Patients With PCOS Appropriately Screened for Associated Co-Morbidities?

Summary: Polycystic ovarian syndrome (PCOS), a common condition with systemic metabolic manifestations, is present in 12 to 21 percent of women of reproductive age. Up to 70 percent with PCOS are undiagnosed and suffer from medical and psychological co-morbidities.

Authors: Sahana Dongerkery; Kathleen Stahl; Nelly Arnouk; Pamela Schroeder

Entity: MedStar Union Memorial Hospital

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Poster 84: Prevalence and Survival Analysis of Patients With Brain Metastases From Differentiated Thyroid Carcinoma in MedStar Institutions

Summary: This study is a retrospective analysis of brain metastases from DTC to determine its prevalence in MedStar Health institutions as well as to analyze current therapies and outcomes of patients.

Authors: Cristiane Gomes-Lima; Di Wu; Sree Pudukollu; Rama Hritani; Sarika Rao; Alexander Zeymo; Hala Deeb; Mihriye Mete; Edward Aulisi; Douglas Van Nostrand; Jacqueline Jonklaas; Kenneth Burman

Entity: MedStar Health Research Institute

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Poster 85: Use of Whole-Genome Sequencing to Guide a C. Difficile Diagnostic Stewardship Program

Summary: A diagnostic stewardship intervention to improve testing of C. difficile guided by molecular epidemiology with an aim to reduce the hospital onset C. difficile rate.

Authors: Kunal Jakharia; Ghassan Ilaiwy; Siobhan Moose; Masashi Waga; Joel McAlduff; Lynne Karanfil; Patrick McGann; Glenn Wortmann

Entity: MedStar Washington Hospital Center

Contact: vkunaljakharia@gmail.com

Poster 86: Efficacy and Safety of Baricitinib in Patients With Rheumatoid Arthritis: A Meta-Analysis of Randomized Controlled Trials

Summary: Janus kinases play an important role in the pathogenesis of RA. Baricitinib is an oral JAK 1 and 2 inhibitor which has been shown to be effective in the treatment of RA in several clinical trials.

Authors: Sumit Kunwar; Christopher Collins; Florina Constantinescu

Entity: MedStar Washington Hospital Center

Contact: sumit.kunwar@medstar.net

Poster 87: Adenoma Detection Rates Correlate Strongly With Proximal Colon Adenoma Detection Rates but Not With Proximal Serrated Polyp Detection Rates: A Multicenter Study

Summary: This is a quality improvement study. It has some important findings. Adenoma detection rates (validated QI) did not correlate with proximal serrated-polyp detection rates, highlighting the fact the serrated polyps detection may be a quality indicator.

Authors: Rohan Mandaliya; Muhammad Mirza; Kamal Baig; Shiva Shankar Vangimalla; Michele Barnhill; Aniruddh Som; Allyson Raymond; Vagishwari Murugesan; Khushali Jhaveri; Hasan Lubaba; Won Cho

Entity: MedStar Georgetown University Hospital

Contact: rohan86m@gmail.com

Poster 88: Significant Variation in the Detection Rates of Proximal Serrated Polyps Among Academic Gastroenterologists, Community Gastroenterologists, and Colorectal Surgeons

Summary: We found that academic gastroenterologists had significantly higher detection rates of proximal serrated lesions compared to community gastroenterologists and colorectal surgeons, despite comparable overall adenoma detection rates.

Authors: Rohan Mandaliya; Vagishwari Murugesan; Allyson Raymond; Michele Barnhill; Mirza Muhammad; Kamal Baig; Khushali Jhaveri; Annirudh Som; Shiva Vangimalla; Lubaba Hasan; James Lewis; Won Cho

Entity: MedStar Georgetown University Hospital

Contact: rohan86m@gmail.com

Poster 89: Facial Basal Cell Carcinoma in Patients Younger Than 40

Summary: Our objective was to determine whether basal cell carcinomas in the population younger than 40 years occur more frequently at the forehead and its subunits (forehead proper, temple, suprabrow, and glabella). We performed a retrospective case review of 4,337 basal cell carcinomas in 3,223 patients treated with Mohs micrographic surgery.

Authors: Ardeshir Nadimi; Ali Hendi; Jaeil Ahn; Yizhao Zhou

Entity: MedStar Georgetown University Hospital/MedStar Washington Hospital Center

Contact: ardeshir.e.nadimi@medstar.net

Poster 90: Early Hemoconcentration Is Associated With Increased Opioid Requirements in Hospitalized Patients With Acute Pancreatitis

Summary: Early hemoconcentration is associated with an increased opioid requirement in hospitalized patients with AP. The impact of fluid therapy in these patients merits prospective study.

Authors: Nasim Parsa; Mahya Faghih; Francisco Garcia; Robert Moran; Ayesha Kamal; Niloofar Jalaly; Haitham Al-Grain; Venkata Akshintala; Martin Makaray; Mouen Khashab; Anthony Kalloo; Vikesh Singh

Entity: MedStar Harbor Hospital

Contact: nparsa1@jhmi.edu

Poster 91: Risk of Cancer in 10 to 19 mm Endoscopically Detected Colorectal Lesions

Summary: The prevalence of cancer in 10 to 19 mm colorectal lesions is lower than previously reported. The cancer risk is higher in conventional adenomas compared to serrated lesions. Cancer is endoscopically evident prior in only half of colorectal lesions 10 to 19 mm.

Authors: Nasim Parsa; Douglas Rex

Entity: MedStar Harbor Hospital

Contact: nparsa1@jhmi.edu

Poster 92: Development of Thyroid Cancer in Male Patients Is Associated With a Shift in the Expression of Sex-Biased Genes Toward a Female-Like Genotype

Summary: We performed analysis of sex-biased genes in normal thyroid tissue samples and examined the changes in sex-biased genes signature in male and female patients with thyroid cancer.

Authors: Leila Shobab; Kirk Jensen; Vasyl Vasko

Entity: MedStar Washington Hospital Center

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Poster 93: Long-Term Safety and Efficacy of Fecal Microbiota Transplantation in the Treatment of Clostridium Difficile Infection in Patients With and Without Inflammatory Bowel Disease: A Tertiary Care Center's Experience

Summary: Fecal Microbiota Transplantation is an effective and safe therapy for antibiotic-resistant Clostridium Difficile Infection. However, FMT long-term outcomes are unknown. Therefore, in this study, we evaluated long-term outcomes, especially in IBD patients.

Authors: Obada Tabbaa; Pawan Rastogi; Joseph Alukal; Janese Laster; Mark Mattar

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Poster 94: Optimal Time for 124I PET/CT Imaging in Metastatic Differentiated Thyroid Cancer

Summary: 124I PET/CT at 24h or 48h is superior to 2h, 72h or 96h images in metastatic lesion detection. 48h scans yielded a greater number of distant metastatic uptake with very high visual intensity. SUVmax is not a reliable measure for 124I uptake on PET/CT.

Authors: Di Wu; Kanchan Kulkarni; Carlos Garcia; Kenneth Burman; Leonard Wartofsky; Douglas Van Nostrand

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Poster 95: The Diagnostic Value of 124I PET Compared to 131I Imaging in Differentiated Thyroid Cancer: A Systematic Review and Meta-Analysis

Summary: 124I PET/CT is a good predictor is 131I TxScan result and is able to identify a greater number of foci compared to both DxScan and TxScan. 124I PET may have better detection TxScan in patients who are 131I therapy naive, have less aggressive pathology ,or who do not have disseminated lung metastases.

Authors: Di Wu; S. Layla Heimlich; Kenneth Burman; Leonard Wartofsky; Douglas Van Nostrand

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Case Reports

Poster 96: A Weil of a Time

Authors: Sean Abeysekera; Michelle Bahrain; Charmian Sittambalam

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Poster 97: Febrile Neck Pain: Crowned Dens Syndrome

Author: Vinutha Akki Vivekanand

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Poster 98: Paraneoplastic Frosted Branch Angiitis as First Sign of Relapsed Hodgkin Lymphoma

Authors: Muhamad Alhaj Moustafa; Sherif Elmahdy; Vera Malkovska

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Poster 99: Autoimmune Pancreatitis: A Disease of Rising Significance

Authors: Michael Aughenbaugh; Charmian Sittambalam; A. Steven Fleisher; Abhinav Sankineni

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Poster 100: Clinical Practice Guidelines Improve LVAD Deactivation in the Hospital

Author: Lissa Berroa Garcia

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Poster 101: Buy None, Get Two Free: Aspergillus and Mycobacterium-Avium Intracellulare Co-Infection

Authors: Pavan Bhat; Michelle Bahrain; Charmian Sittambalam

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Poster 102: Cerebral Hyperperfusion Syndrome: A Rare Complication of Carotid Revascularization

Authors: Julianne Bruce; Himanshu Rawal; Daniel Grove; David Weisman

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Poster 103: A Different Stroke

Authors: Sanjita Chittimoju; Shirisha Avadhanula; Katherine Araque-Triana; Sathybama Naidu

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Poster 104: Symptomatic Hypercalcemia Due to a Giant Parathyroid Adenoma

Authors: Min Ho Cho; Vitaly Kantorovich

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Poster 105: Sticky Pseudomonas Strikes

Authors: Elspeth Clark; Anita Naik; Marcos Wolff; Charmian Sittambalam

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Poster 106: An Uncommon Use for a Common Medication: Diazepam Suppositories for Proctalgia Fugax

Authors: Sebastian Cousins; Diana Stewart; Hunter Groninger

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Poster 107: A Case of Cushing's Syndrome Diagnosed as Carney Complex Syndrome in an Older Female

Author: Ariane Davis

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Poster 108: An Unusual Presentation of Mayer-Rokitansky-Küster-Hauser Syndrome

Authors: Sahana Dongerkery; Kathleen Stahl; Pamela Schroeder

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Poster 109: A Case of Acute Mixed Liver Injury Due to Hypothyroidism

Author: Nikki Duong

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Poster 110: Something to Talc About

Authors: Kathleen Ellison; Lisa Cotter; John Roman; Helena Pasieka

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Poster 111: Bilateral Renal Infarction in Hypertrophic Obstructive Cardiomyopathy

Authors: Rehan Farooqi; Praveena Sunkara; Umar Zahid

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Poster 112: Opportunistic Autoimmune Diseases

Authors: Suneetha Jasty; Anastasia Markopoulou

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Poster 113: Cutaneous Larva Migrans During Pregnancy: Treatment with Pulse Dye Laser (PDL)

Authors: Rhett Kent; Zetta Fayos; Scott Norton

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Poster 114: A Unique and Rare Case of Overlap of Three Uncommon Diseases: Sarcoidosis, Polymyositis, and Systemic Sclerosis, Further Complicated by Severe Restrictive Lung Disease

Authors: Arash Hassantoufighi; Paloma Alejandro

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Poster 115: Not All Cancer Hyponatremia Is SIADH

Authors: Syed Nazeer Mahmood; Muhammad Azeem Khan; Rajus Chopra

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Poster 116: Diagnosis of Advanced Syphilis After Presentation With Ocular Complaints

Author: Mariam Mathai

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Poster 117: Unusual Presentations of Mycobacterial Infections

Authors: Sean McGarvey; Rebecca Krochmal

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Poster 118: Prozone Effect in Noduloulcerative Syphilis: A Rare Presentation of Secondary Syphilis

Authors: Kalyani Marathe; Ardeshir Nadimi; Kyle Cheng; Rachel Marchalik

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Poster 119: The Great Imitator: TB or Metastases?

Authors: Garima Narayen; Michelle Bahrain; Charmian Sittambalam

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Contact: garima.narayen@medstar.net

Poster 120: An 18-Month Interval Growth of Terminal Ileal Primary Adenocarcinoma: A Consideration for Current Screening Guidelines

Authors: Matthew Nazari; Jared Rosenblum; Alice Lee; Tilak Baba; Sam Kallus

Entity: MedStar Georgetown University Hospital

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Poster 121 : Stage 4 Diffuse Large B-Cell Lymphoma With CNS Involvement and Annular Skin Patchesg

Authors: Michelle Oboite; Helena Pasioka

Entity: MedStar Washington Hospital Center/MedStar Georgetown University Hospital

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Poster 122: Nivolumab-Induced Secondary Adrenal Insufficiency in Non-Small Cell Lung Cancer

Authors: Prathyusha Pagadala; Alaa Alabdul Razzaq

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Poster 123: Biologics for the Treatment of Cardiac Sarcoidosis

Authors: Anjani Pillarisetty; Mithun Devraj; Farooq Sheikh; Florina Constantinescu

Entity: MedStar Washington Hospital Center

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Poster 124: Spending Days "In Vein": Palliative Needs of ESRD Patients on HD

Authors: Anna Fricker; Nicole Graham; Catherine Peters

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Poster 125: Lithium-Induced Thyrotoxicosis

Authors: Abhilasha Singh; Sahana Dongerkery; Pamela Schroeder; David Weisman

Entity: MedStar Health

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Poster 126: Rare Case of B-Catenin Gene Mutation-Related Pancreatic Desmoid-Type Fibromatosis and Panin Presenting as Single Solid Cystic Lesion

Authors: Aniruddh Som; Bharat Bhandari; Akhil Munjal; Bijun Kannadath; Nirav Thosani

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Poster 127: Can Sarcoidosis Present as Severe Hypercalcemia?

Authors: Facundo Stingo; Nima Madanchi; Shreedhar Adhikari; Arvind Suguness; Matthew Schreiber; Raphael Pristoop; Amanda Magee

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Poster 128: Euglycemic Diabetic Ketoacidosis: A Frequently Underdiagnosed and Mistreated Disease

Authors: Obada Tabbaa; Sherif Elmahdy; Leen Alsaleh; Muhamad Alhaj Moustafa

Entity: Georgetown University

Contact: obada.m.tabbaa@medstar.net

Poster 129: Esophageal Papillomas and Their Association With Chronic Gastritis

Authors: Vagishwari Murugesan; Jennifer Tran; Won Cho

Entity: MedStar Washington Hospital Center

Contact: tranjennifer88@gmail.com

Poster 130: Granulomatous Reaction to Herpes Zoster in an Immunocompromised Cancer Patient

Authors: Ashley DiLorenzo; Monica Valentin; Arash Radfar; Alan Moshell

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Poster 131: Case Report: A Rare Cause of Endocarditis, Nutrient Deficient Streptococcus

Authors: Mary Zulty; Seyed Mohammad Hodanazari; Man Kit Michael Siu

Entity: MedStar Union Memorial Hospital

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Poster 132: The Impact of Neoadjuvant Chemotherapy on Complications Following Nipple-Sparing Mastectomy

Summary: How does neoadjuvant chemotherapy affect surgical complication rates in nipple-sparing mastectomy?

Authors: Eleni Tousimis; Alex Bartholomew; Michael Sosin; Lauren Kerivan; Laura Bozzuto; Solange Cox; Ornella Dervishaj; Diana Caragacianu; Shawna Willey

Entity: MedStar Georgetown University Hospital

Contact: ajb301@georgetown.edu

Poster 133: Hyperbaric Oxygen Therapy Does Not Decrease Progression of Ischemia to Necrosis in Nipple-Sparing Mastectomy

Summary: Exploring the efficacy of hyperbaric oxygen therapy (HBOT) in salvaging ischemic tissue following nipple-sparing mastectomy (NSM).

Authors: Shawna Willey; Lauren Kerivan; Michael Sosin; Alex Bartholomew; Eleni Tousimis; Troy Pittman

Entity: Georgetown University School of Medicine

Contact: ltk12@georgetown.edu

Poster 134: The Effect of Skin Pigmentation on Determination of Limb Ischemia

Summary: Clinical exam is the reference standard for ischemia determination. Many note difficulty detecting ischemia relative to skin pigmentation, though little is published. Our purpose was to determine if skin pigmentation impacts clinical exam for ischemia.

Author: Kenneth Means, Jr.

Entity: MedStar Union Memorial Hospital

Contact: kennethrmeans@curtishand.com

Poster 135: From Bench to Multi-institutional Randomized Controlled Trial: Two Decades of Progress in Management of Malignant Peritoneal Mesothelioma

Summary: Malignant peritoneal mesothelioma (MPM) is a rare disease with approximately 800 new patients per year in the United States. Pharmacologic and clinical studies have provided a strong rationale to test long-term adjuvant IP pemetrexed in patients.

Authors: Paul Sugarbaker; O. Anthony Stuart; David Chang; Sophie Pestieau; Lana Bijelic

Entity: MedStar Washington Hospital Center

Contact: paul.sugarbaker@medstar.net

Poster 136: Immunomonitoring of Operational Tolerance in Intestinal Transplantation

Summary: The purpose of this study is to immunocharacterize the first reported case of intestinal transplant (ITx) operational tolerance, in parallel with a stable ITx cohort and a healthy control cohort.

Authors: Brenna Houlihan; Priscilla Cha; Khan Khalid; Stuart Kaufman; Raffaele Girlanda; Jason Hawksworth; Cal Matsumoto; Michael Zasloff; Thomas Fishbein; Alexander Kroemer

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Poster 137: Perioperative Outcomes in Patients With Hereditary Disorders of Connective Tissue (HDCT): A Retrospective Cohort Study

Summary: In this multicenter retrospective cohort study, we found that patients with hereditary disorders of connective tissue (HDCT) undergoing pelvic floor surgery have higher overall perioperative complications with more readmissions.

Authors: Pakeeza Alam; Emily Davidson; Jenifer Byrnes; Katarzyna Bochenska; Maria Florian-Rodriguez; Charelle Carter-Brooks; Emily Myer; Meadow Good; Robert Gutman

Entity: MedStar Washington Hospital Center

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Poster 138: Comparison of Biliary Complications After Pediatric Living and Deceased Donor Liver Transplantation

Summary: DD split graft recipients had the highest incidence of BC (37 percent) compared to DD full (29 percent) size or LD grafts (35 percent); although, this does not reach a statistically significant difference. Hepaticojejunostomy, or use of stent, is not protective against having BC.

Authors: Oya Andacoglu; Bavana Ketha; Elizabeth Conlon; Jaeil Ahn; Nada Yazigi; Khalid Khan; Thomas Fishbein

Entity: MedStar Health/Georgetown University

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Poster 139: Impact of Biliary Complications and Graft Type on Growth Among Pediatric Liver Transplant Patients

Summary: Patients with BC demonstrate a significant drop of growth percentiles at six months and remain below preop percentiles at one year; therefore, they are the most disadvantaged patient group. Graft type does not seem to have an impact on growth pattern.

Authors: Oya Andacoglu; Bavana Ketha; Elizabeth Conlon; Jaeil Ahn; Nada Yazigi; Khalid Khan; Thomas Fishbein

Entity: MedStar Health/Georgetown University

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Poster 140: National Trends for Operative Management of Uncomplicated Type B Aortic Dissection (TBAD)

Summary: Recent evidence suggests an increasing role for operative management of Type B aortic dissection. Here, we evaluated 11 years of national data and show a linear increase in the gross estimate and proportion of TBAD patients undergoing operative repair.

Authors: David Blitzer; Raghuvveer Vallabhaneni

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Poster 141: Using Plan-Do-Study-Act Cycle to Improve Outcomes in Esophagectomy Patients

Summary: Esophagectomy carries a significant morbidity. Plan-do-study-act (PDSA) cycle was utilized to identify the underlying etiology and improve outcomes.

Authors: Raul Caso; Conor Hynes; Darren Jackson; Matthew Pichert; Nadim Haddad; Marc Margolis; Thomas Watson; M. Marshall

Entity: MedStar Georgetown University Hospital

Contact: raul.caso@gunet.georgetown.edu

Poster 142: National Trends and Outcomes of Open, Laparoscopic, and Robotic Low Anterior Resections for Rectal Cancer Patients

Summary: There is limited published data on current national trends and adoption of minimally invasive low anterior resections (LAR) for rectal cancer patients. The objective of this study is to track inpatient outcomes using the National Inpatient Sample database.

Authors: Esther Cha; David Blitzer; Gregory Burgoyne

Entity: MedStar Union Memorial Hospital

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Poster 143: Prepectoral vs. Retropectoral Implant-Based Reconstruction Following Nipple-Sparing Mastectomy and Adjuvant Radiation Therapy

Summary: Comparing implant-related complications between patients undergoing pre- vs. retropectoral reconstruction following NSM and adjuvant radiation therapy.

Authors: Solange Cox; Laura Bozzuto; Michael Sosin; Alex Bartholomew; Aiste Gulla; Shawna Willey; Eleni Tousimis; Troy Pittman

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Poster 144: Prognostic Implications of Peak Lactate Levels Post-LVAD Implantation

Summary: In patients undergoing LVAD implantation, postoperative peak lactate levels are independently associated with increased postoperative length of stay and with mortality during index hospitalization.

Authors: Farooq Sheikh; Steven Boyce; Samer Najjar; Selma Mohammed

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Poster 145: Outcomes of Split Thickness Skin Grafting for Foot and Ankle Wounds in Patients With Peripheral Arterial Disease

Summary: Rapid wound closure provides a barrier to further infection and limb loss. In this study, we evaluated factors predictive for complete wound healing following endovascular intervention for PAD.

Authors: Iram Naz; Elliot Walters; Karen Evans; Christopher Attinger; Cameron Akbari; Paul Kim

Entity: MedStar Georgetown University Hospital

Contact: iram.naz@gunet.georgetown.edu

Poster 146: The Utility of Porcine Xenograft (PX) for Wound Readiness to Accept a Definitive Split Thickness Skin Graft

Summary: The objective of this study is to determine wound healing outcomes in patients who received porcine xenograft (PX) prior to STSG compared with patients who received STSG with no prior PX application.

Authors: Iram Naz; Elliot Walters; Paul Kim; Karen Evans; Christopher Attinger; Jessica Figueroa; Tammer Elmarsafi

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Poster 147: Localization of Parathyroid Adenoma With 4D CT in Patients With Inconclusive Findings on Traditional Imaging Modalities

Summary: We evaluated the utility of performing a 4D CT scan in patients who suffer from primary hyperparathyroidism but did not have adequate localization of the parathyroid adenoma on traditional imaging modalities (ultrasound and sestamibi).

Authors: Vardan Papoian; Erin Felger; Louis Smith; Kanchan Kulkarni; Jennifer Rosen

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Poster 148: Determining the Utility of Standard Hospital Microbiology Testing: Comparing Standard Microbiology Cultures With DNA Sequence Analysis in Patients With Chronic Sinusitis

Summary: We directly compared standard microbiology cultures with molecular-based DNA sequencing analysis collected from patients with chronic sinusitis to determine the utility of our hospital's microbiology cultures.

Authors: Sarah Rapoport; Suzette Mikula

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Poster 149: Head and Neck Findings in Patients With WHIM Syndrome

Summary: WHIM syndrome is a rare genetic syndrome characterized by warts and immune deficiency. Of note, most patients present with hypoplastic maxillary sinuses, chronic sinusitis, recurrent otitis media, and hearing loss.

Authors: Caroline Rieger; Hung Jeff Kim

Entity: MedStar Georgetown University Hospital

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Poster 150: An Analysis of the Interval Between Major Abdominal Operations and Hernia Repair

Summary: This is a multi-institutional study looking at patients undergoing major abdominal operations, defined as colectomy, hepatectomy, pancreatectomy, and gastrectomy, and the duration to symptomatic hernia occurrence requiring repair within each cohort.

Authors: Jenny Shao; Chris Devulapauli; Anne Fabrizio; Hepzibha Alexander; Mohammed Bayasi; Lynt Johnson; Parag Bhanot

Entity: MedStar Georgetown University Hospital

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Poster 151: Incisional Hernia Rates in Patients Undergoing Colectomy for Benign vs. Malignant Disease

Summary: This will be the largest multi-institutional study looking at incidence of hernia rates for colectomy based on disease process and whether or not resection for malignancy affects incisional hernia rates.

Authors: Jenny Shao; Chris Devulapauli; Anne Fabrizio; Hepzibha Alexander; Mohammed Bayasi; Parag Bhanot

Entity: MedStar Georgetown University Hospital

Contact: jenny.m.shao@gunet.georgetown.edu

Poster 152: Perioperative Outcomes of Minimally Invasive Sleeve Resection

Summary: Sleeve resection allows preservation of lung parenchyma and improved long-term outcomes compared to pneumonectomy. We reviewed our experience with minimally invasive sleeve resections.

Authors: Raul Caso; Thomas Watson; Puja Khaitan; M. Marshall

Entity: MedStar Georgetown University Hospital

Contact: raul.caso@gunet.georgetown.edu

Poster 153: Weekend Discharge Does Not Increase Risk of Readmission After Ileostomy

Summary: Patients who underwent elective ileostomy were not found to have higher rates of readmission if they were discharged on the weekend.

Authors: Matt Wheeler; James Fitzgerald; Jennifer Ayscue; Thomas Stahl; Mohammed Bayasi; Brian Bello

Entity: MedStar Washington Hospital Center

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Poster 154: Enhanced Intraoperative Breast Specimen Assessment May Reduce Margin Positivity and Reoperation Rates in Breast Cancer

Summary: Partial mastectomy is the most commonly performed operation for breast cancer. Margin positivity ranges from 30 percent to 60 percent, of which 10 percent to 36 percent require reoperation. We suggest that enhanced intraoperative specimen assessment may reduce margin positivity.

Authors: Hanh-Tam Tran; Ilyssa Moore; Lauren Kerivan; Niya Patel; Shawna Willey; Maen Farha

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Poster 155: Smartphone Fundoscopy With Ullman Indirect Application

Summary: We present a new smartphone application to help users image the retina. An iPhone application was designed in Apple's Xcode Version 9.0 (9A235) using the Swift 4 programming language. The AVFoundation framework was used to control the iPhone camera.

Authors: Michael Ullman; Ferdinand Rodriguez; Patrick Burke; Mariam Mathiam; Jason Goldberg; Makia Esemé

Entity: MedStar Washington Hospital Center/MedStar Georgetown University Hospital

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Poster 156: Oncologic Outcomes in Octogenarian Patients With Primary Soft Tissue Sarcoma

Summary: As the elderly population increases, we are facing an increasing number of octogenarian patients with primary sarcoma. This study addresses the outcomes of patients 80 years old and older who were diagnosed with a primary soft tissue sarcoma.

Authors: Samer Abdel Al; Alexandra L. Van Horn; Robert Henshaw

Entity: MedStar Health

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Poster 157: Minimally Invasive Transgastric Approach to Gastroesophageal Junction Pathology

Summary: Here we present a prospectively maintained case series of transgastric gastroesophageal junction tumor resections. Early experience, outcomes, and safety metrics are described.

Authors: Anthony Villano; Thomas Watson; Nadim Haddad; Blair Marshall

Entity: MedStar Georgetown University Hospital

Contact: anthony.m.villano@gunet.georgetown.edu

Poster 158: Cross-Contamination of Operating Room Instruments During Excisional Debridement of Infected Wounds

Summary: Excisional debridement of infected wounds leads to cross-contamination of surgical instruments. This can be avoided through a two-table setup where a second table of instruments is unused and maintained sterile until after debridement and irrigation.

Authors: Elliot Walters; Tammer Elmarsafi; Alexandria Carroll; John Steinberg; Christopher Attinger; Paul Kim

Entity: MedStar Georgetown University Hospital

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Poster 159: Incongruity Between Patient Self-Perception and Face Questionnaire Social Function Scores in Facial Paralysis Patients

Summary: We aim to assess whether the questions in the Facial Clinimetric Evaluation (FaCE) instrument accurately capture facial paralysis patients' perception of their symptoms.

Authors: Michael Reilly; Dara Khatib; Jennifer White

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Case Reports

Poster 160: Papillary Thyroid Carcinoma With Auxiliary Lymph Node Extension: A Case Report Outlining Hypothesis for Locoregional Spread and Therapeutic Implications

Authors: Whitney Sutton; Raul Caso; Anthony Villano; Randi Alexander; Diana Caragacianu

Entity: MedStar Georgetown University Hospital

Contact: raul.caso@gunet.georgetown.edu

Poster 161: Zepto Precision Pulse Capsulotomy Laser Used for the First Time Within the Department of Defense

Authors: Jacquelyn Daubert; Makia Eseme; William Gensheimer

Entity: MedStar Washington Hospital Center

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Poster 162: A Case of Recurrent Toxoplasmosis Retinal Choroiditis in an Immunocompetent Patient

Authors: Jocelyn Kim; Brandon Harris; Russ Hess; Marcus Colyer

Entity: MedStar Washington Hospital Center

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Poster 163: Cataract Surgery in a Monocular Amblyopic Patient

Authors: Alyssa Miller; Michael Ullman; Kevin Wells; Eric Fleischer

Entity: MedStar Washington Hospital Center

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Poster 164: A Case of a Giant Intradiploic Epidermoid Cyst Eroding the Temporoparietal Calvarium

Authors: Kelly Scriven; Caroline Rieger; Hung Jeff Kim

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Contact: ccrieger@gmail.com

Poster 165: Open Window Thoracostomy as an Alternative Approach to Secondarily Infected Malignant Pleural Effusion and Failure of Intrapleural Catheter Drainage: A Case Report

Authors: Anthony Villano; Raul Caso; Blair Marshall

Entity: MedStar Georgetown University Hospital

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Poster 166: Use of Hyperspectral Imaging to Assess Early and Late Perfusion Changes in Free-Flap Reconstruction

Authors: Widad Salah; Karen Evans; Paul Kim

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Critical Care/Burn/Resuscitation/Trauma

Poster 167: An Analysis of Patient Body Weight and Clinical Outcomes Reported in the National Burn Repository

Summary: We used a national database to evaluate burn-patient outcomes grouped by BMI.

Authors: Sarah Burkey; Melissa McLawhorn; Mariana Vigiola Cruz; Lauren Nosanov; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: sarah.e.burkey@medstar.net

Poster 168: Esophageal Manometry for Individualized Ventilator Management of Critically Ill Burn Patients

Summary: A multidisciplinary evaluation of advanced monitoring to address severe acute respiratory failure/ARDS in patients with thermal injury.

Authors: Laura Johnson; Eric Kriner; Jeffrey Shupp

Entity: MedStar Washington Hospital Center

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Poster 169: Necrotizing Soft Tissue Infections: Characterizing Wound Microbiology and Associated Outcomes at a Regional Quaternary Referral Center

Summary: This study characterizes an NSTI patient population based on wound microbiology and compares clinical outcomes between groups. Bacterial subtype may be an important outcome driver as those in the Type II group had a significant increase in mortality.

Authors: Melissa McLawhorn; Juan Vazquez; Karina Charipova; Rhonda Coolidge; Lauren Moffatt; Jack Sava; Jeffrey Shupp

Entity: MedStar Health Research Institute

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Poster 170: A National Perspective on ECMO Utilization in Patients With Burn Injury

Summary: Utilization and outcomes for burn patients undergoing ECMO are poorly understood. This study reviews the national experience of ECMO in burns, using a large database. ECMO is a viable option for critically ill burn patients.

Authors: Melissa McLawhorn; Lauren Nosanov; Mariana Vigiola Cruz; Jason Chen; Jeffrey Shupp

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Poster 171: Assessing the Efficacy of Resuscitative Strategies to Mitigate Vascular Endothelial Dysfunction in Rats, Following a Scald Burn Injury

Summary: This study shows burn-injury causes EGL degradation and increases vascular permeability. Decreased SDC-1 shedding in plasma was seen in rats treated with albumin, but vessel permeability remained abnormal. Resuscitation with FFP normalized vascular leak.

Authors: Kyle Monger; Bonnie Carney; Mariana Vigiola Cruz; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Health Research Institute

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Poster 172: Cyanide Toxicity With Inhalational Burn Injury: Incidence and Treatment Effectiveness

Summary: Cyanide toxicity may be an underappreciated complication of inhalational burn injury and contribute unnecessarily to morbidity and mortality as pharmacological antidotes are available.

Authors: Nicholas Prindeze; Lauren Moffatt; Jeffrey Shupp

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Poster 173: Active Dynamic Thermography Thermograph Reconstruction Techniques and Modeling

Summary: The aim of this work was to use active dynamic thermography imaging techniques to review and model the heat function interpretation for depth-defect location stratification.

Authors: Nicholas Prindeze; Christine Kowalczewski; Richard Henry; Andrew Kowalczewski; Lauren Moffatt; Robert Christy; Jeffrey Shupp

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Poster 174: The Patient and Observer Scar Assessment Scale Inadequately Measures Burn Scar Changes Over Time

Summary: The POSAS is a widely used scar-assessment scale; however, it does not adequately reflect improvements in burn scars seen with LASER scar revision.

Authors: Taryn Travis; Rebekah Allely; Jeffrey Shupp

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Poster 175: Evaluating a Modified Equation for Protein Needs in Burn Patients

Summary: Numerous formulas for calculating energy requirements exist, all with various shortfalls in the setting of burn injury. The aim of our study was to evaluate our modified formula by comparing it to protein needs derived from UUN values.

Authors: Katherine Wallace; Mariana Vigiola Cruz; Jeffrey Shupp; Laura Johnson

Entity: MedStar Washington Hospital Center

Contact: katherine.f.wallace@medstar.net

Poster 176: Evaluating Endothelial Dysfunction in Burn Patients with Syndecan-1 as Marker of Glycocalyx Shedding

Summary: Endothelial dysfunction caused by burn-induced shock leads to significant consequences for patients, such as coagulopathy and dramatic fluid shifts. We investigated syndecan-1, a component of the endothelial glycocalyx, in patients with burn injuries.

Authors: Jeffrey Shupp; Maria Bravo; Kathleen Brummel-Ziedins; Thomas Orfeo; Lauren Moffatt

Entity: MedStar Washington Hospital Center/MedStar Health Research Institute

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Poster 177: Early vs. Late Renal Replacement Therapy in Critically Ill Patients With AKI: A Systematic Review and Meta-Analysis

Summary: Acute Kidney Injury (AKI) is a common condition associated with high morbidity and mortality. This review investigates the impact of early versus late initiation of renal replacement therapy on clinical outcomes in critically ill patients with AKI.

Authors: Rehan Farooqi; Umar Zahid; Shahzad Hussain

Entity: MedStar Union Memorial Hospital

Contact: rehan.m.farooqi@medstar.net

Poster 178: Effectiveness of a Sepsis Alert Program Within the Emergency Department

Summary: We assess the effect of an EHR documentation template and sepsis rapid response team on CMS sepsis metrics within the emergency department, finding statistically significant improvements in time to antibiotic administration and other core measures.

Authors: Joseph Izzo; Elaine Bromberek; Marianne Wallis; Autumn Graham; Susan O'Mara; Nicole Noga; Munish Goyal

Entity: MedStar Georgetown University Hospital

Contact: josephaizzo@gmail.com

Poster 179: Does Admission GCS Impact Mortality Risk Following Thermal Injury?

Summary: Age, total body surface area involvement, and inhalation injury are known predictors of mortality following thermal injury. We investigate the impact that admission GCS scores and component subscores have on mortality in this patient population.

Authors: Lauren Nosanov; Melissa McLawhorn; Lauren Moffatt; Laura Johnson; Jeffrey Shupp

Entity: MedStar Washington Hospital Center

Contact: lauren.s.nosanov@medstar.net

Poster 180: Graft Loss: Review a Single Burn Center's Experience and Proposal of a Graft Loss Grading Scale

Summary: Graft loss following thermal injury contributes to prolonged hospital stays, higher rates of reoperation, and increased morbidity.

Authors: Lauren Nosanov; Melissa McLawhorn; Lamisa Hassan; Taryn Travis; Shawn Tejiram; Laura Johnson; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Washington Hospital Center

Contact: lauren.s.nosanov@medstar.net

Poster 181: Persistent Elevated Serum Lactate and Mortality in Stevens Johnson Syndrome and Toxic Epidermal Necrolysis

Summary: We examine the relationship between lactate levels and outcomes in patients with the Stevens Johnson Syndrome and Toxic Epidermal Necrolysis.

Authors: Kathleen O'Brien; Stephanie Johng; Helena Pasieka; Jeffrey Shupp; Laura Johnson; Karl Saardi; Taryn Travis

Entity: MedStar Washington Hospital Center

Contact: ksaardi@gmail.com

Poster 182: A Review of Hydroxocobalamin Use in Patients With Inhalation Injury at a Regional Burn Center

Summary: Patients with inhalation injury from a house fire, soot, and impaired consciousness, require urgent hydroxocobalamin. This approach led to the appropriate use of this antidote in 70 percent of patients at our institution, confirmed with pre-dose serum [cyanide].

Authors: Juan Vazquez; Laura Johnson; Taryn Travis; Lauren Moffatt; Jeffrey Shupp

Entity: MedStar Washington Hospital Center/Firefighters' Burn and Surgical Research Laboratory

Contact: juan.s.vazquez@medstar.net

Case Reports

Poster 183: Turning a Blind Eye: Acute Vision Loss From an Unexpected Cause

Authors: Muhammad Hashmi; Syed Mahmood; Vipul Madhwani

Entity: MedStar Washington Hospital Center

Contact: danhashmi5@yahoo.com

Poster 184: Identifying Management and Therapeutic Protocols in a Patient Exposed to Radioactive Americium-241

Authors: Shawn Tejiram; Taryn Travis; Laura Johnson; Jeffrey Shupp

Entity: MedStar Health Research Institute

Contact: shawn.tejiram@medstar.net



Health Services Research/Human Factors/Medical Education/Quality/ Safety and Policy

Poster 185: Human Factors Validation of the SureCRIC Device

Summary: This poster describes novel methods in human factors evaluation used to assess a cricothyrotomy-assist device. Through simulated use on both manikin and human subjects, we validated that the device and instructional materials promote safe and correct use.

Authors: Rebecca Butler; Bidisha Roy; Curt Kothera; Amit Shah; Natalie Abts

Entity: MedStar Institute for Innovation

Contact: natalie.a.abts@medstar.net

Poster 186: Improving EHR Usability Through the Development of a Change Package Toolkit

Summary: This project describes the development and testing of a toolkit designed to help individual healthcare organizations of varying resource levels and usability knowledge address the usability of their own EHRs.

Authors: Katharine Adams; Jonathan Wald; Laura Marcial; Tracy Kim; Stephanie Rizk; Anita Samarth; Rollin Fairbanks; Raj Ratwani; Aaron Hettinger

Entity: MedStar Institute for Innovation

Contact: katharine.t.adams@medstar.net

Poster 187: Prototype Testing of an Interruption Management Tool in a Simulated Emergency Medicine Scenario

Summary: An interruption management tool designed to assist emergency physicians manage noncritical interruptions was tested in a simulated scenario. Qualitative analysis of participant responses highlights the necessity and initial success of the prototype.

Authors: Katharine Adams; Jessica Howe; Kathryn Kellogg

Entity: MedStar Institute for Innovation

Contact: katharine.t.adams@medstar.net

Poster 188: Emergency Department Patients' Perceptions of the Efficacy and Safety of Opioid Analgesics

Summary: Survey of emergency-department patients' perceptions of opioid analgesics.

Authors: Maryann Amirshahi; Lydia Koroshetz; Rui Soares; Anagha Kumar; Diane Callelo; Jeanmarie Perrone; Lewis Nelson

Entity: MedStar Washington Hospital Center

Contact: maryannmazer@gmail.com

Poster 189: Improving and Understanding Communication With Emergency Department Patients With Limited English Proficiency

Summary: An analysis of communication with limited-English-proficient and English-proficient patients in the emergency department to inform the design of solutions for improved communication.

Authors: Rollin Fairbanks; Li Lin; Jeffrey Higginbotham; Ann Bisantz

Entity: MedStar Institute for Innovation

Contact: natalie.c.benda@medstar.net

Poster 190: Affective Computing for Interruption Management Tool Evaluation

Summary: This research aims to understand the feasibility of leveraging affective computing, termed emotion AI, to evaluate an interruption management tool for EM providers and share the lessons learned.

Authors: Joseph Blumenthal; Allan Fong; Daniel Hoffman; Kathryn Kellog

Entity: MedStar Institute for Innovation

Contact: joseph.blumenthal@medstar.net

Poster 191: Visualizing Workload Drivers in Emergency Medicine

Summary: Our research focuses on predicting and visualizing factors contributing to provider workload in emergency medicine. An integrated Cerner mPage showing all patients and their providers at MUMH was built, tested, and assessed for both nurses and physicians.

Authors: Joseph Blumenthal; Natalie Benda; Daniel Hoffman; David Lavergne; Ella Franklin; Rollin Fairbanks; Emelie Roth; Shawna Perry; Ann Bisantz; Aaron Hettinger

Entity: MedStar Institute for Innovation

Contact: joseph.blumenthal@medstar.net

Poster 192: Reducing Healthcare Utilization in High-Risk Older Adults: The Impact of an Interprofessional Care Team

Summary: This is a preliminary descriptive study highlighting the impact of an interprofessional team on the care of complex, at-risk older adults.

Authors: Nicole Brandt; George Hennawi; Orion Courtin; Erica Crowley

Entity: MedStar Good Samaritan Hospital

Contact: nicole.j.brandt@medstar.net

Poster 193: The Affordable Care Act's Medicaid Expansion and Utilization of Discretionary Inpatient Surgery

Summary: In this study, we evaluate the impact of the Affordable Care Act Medicaid expansion on the utilization of inpatient surgery, both for discretionary and nondiscretionary procedures.

Authors: Waddah Al-Refaie; Andrew Crocker; Alexander Zeymo; Nawar Shara; Lynt Johnson; Thomas DeLeire

Entity: Georgetown University School of Medicine

Contact: abc87@georgetown.edu

Poster 194: Entrusting Interns With the Patient Handover: How Helpful Is Simulated Performance Evaluation?

Summary: This study looks at interns' ability to perform a simulated handover exercise and their subsequent handover performance in the clinic. Both handovers were scored, and a positive predictive value was found.

Authors: Ayalivis De La Rosa; Shabnam Hafiz; Shawna Kettyle; Anagha Kumar; Shima Fitzgibbons

Entity: Georgetown University Medical Center

Contact: ad1427@georgetown.edu

Poster 195: Effects of the Implementation of a Nutrition Order Writing Protocol on Tube Feeding Orders in a Large Academic Medical Center

Summary: This is a QI analysis of the timeliness and completeness of tube feeding orders pre- and post-implementation of the electronic health record with computerized physician order entry and in conjunction with the nutrition therapy order writing protocol.

Authors: Silvia Figueiroa; Annette Dourney

Entity: MedStar Washington Hospital Center

Contact: annette.dourney@medstar.net

Poster 196: HCV Antibody Positive Patients in A Large Healthcare System: HIV Testing Rates and Compliance With CDC Guidelines

Summary: Retrospective chart review of HCV patients from July 2015 to March 2017, to determine whether providers are following CDC recommendations for HIV testing among HCV population.

Authors: Ilan Fleisher; Alexander Geboy; Whitney Nichols; Sameer Desale; Stephen Fernandez; Peter Basch; Dawn Fishbein

Entity: MedStar Health Research Institute

Contact: ifleish@gmail.com

Poster 197: The Effects of Global Budgeting on Emergency Department Admission Rates

Summary: This study examines the effects of healthcare payment reform with global budgeting on emergency department admissions, both overall and by clinical condition.

Authors: Jessica Galarraga; Bernard Black; Laura Pimentel; Arvind Venkat; William Frohna; John Sverha; Daniel Lemkin; Jesse Pines

Entity: MedStar Health Research Institute, MedStar Washington Hospital Center

Contact: jessica.e.galarraga@medstar.net

Poster 198: Caregiver Experience Map

Summary: Although there is increasing recognition of the essential role family caregivers play on care teams, their experience is not well understood. The CEM presents a common framework and deeper understanding of the experience.

Authors: George Hennawi; Diane Ty; Adrienne Kilby; Margi Lenz

Entity: MedStar Good Samaritan Hospital

Contact: george.hennawi@medstar.net

Poster 199: The Opioid Crisis: Understanding MedStar's Naloxone Prescription Program

Summary: This research aims to understand how the opioid crisis is affecting MedStar Health's emergency departments by calculating how the prescription rate of naloxone has changed over time in response to various policies and comparing it to a similar program.

Authors: Daniel Hoffman; Joseph Blumenthal; Aaron Hettinger

Entity: MedStar Institute for Innovation

Contact: daniel.j.hoffman@medstar.net

Poster 200: A Novel Method in Building an Active Health IT Surveillance Blackbox: Medical Intelligence

Summary: This research aims to look at how to leverage existing medical informatics technologies and incorporate them into a near real-time intelligence solution to understand the context surrounding health IT and patient safety errors.

Authors: Daniel Hoffman; Joseph Blumenthal; Danielle Mosby; Casey Distaso; Aaron Hettinger

Entity: MedStar Institute for Innovation

Contact: daniel.j.hoffman@medstar.net

Poster 201: Electronic Health Record Usability as a Contributing Factor to Patient Harm

Summary: We analyzed patient-safety reports of possible patient harm that explicitly mentioned a major EHR vendor or product, and identified issues related to usability and EHR clinical processes.

Authors: Jessica Howe; Katharine Adams; A. Zachary Hettinger; Raj Ratwani

Entity: MedStar Institute for Innovation

Contact: jessica.howe@medicalhfe.org

Poster 202: Evaluating MedStar's Prototype Event Review Toolkit: Feedback From Patient Safety Professionals

Summary: This project aims to evaluate the MedStar Health's prototype event review tool and guide further development of such tool.

Authors: Jessica Howe; Andrew Stets; Kathryn Kellogg

Entity: MedStar Institute for Innovation

Contact: jessica.howe@medicalhfe.org

Poster 203: Understanding Primary Care Clinician Burnout: A Mixed-Method Approach

Summary: We applied a mixed-method approach, using observations, activity tracking, interviews, space syntax, physiologic sensors, and eye-tracking technology to create a more complete picture of the primary care environment and workflow.

Authors: Akhila Iyer; Jordan Smith; Joseph Blumenthal; Michelle Ossmann

Entity: MedStar Institute for Innovation

Contact: akhila.iyer@medstar.net

Poster 204: Prevalence of Medication Allergy and Adverse Drug Event Reconciliation Discrepancies in an Urban Academic Emergency Department

Summary: Cross-sectional analysis of drug allergies and adverse drug events and their documentation in an emergency department's electronic health record (EHR) reveals high prevalence of reactions and common discrepancies in EHR documentation.

Authors: Eric Kiechle; Colleen McKenna; Hannah Carter; Bradley Gelfand; Lindsey DeGeorge; Diane Sauter; Maryann Amirshahi

Entity: MedStar Washington Hospital Center

Contact: eric.kiechle@gmail.com

Poster 205: Understanding the Noise: Categorizing the Impact of Clinical Workflow, Behavioral, and Environmental Factors on Physiological Sensors

Summary: This study aims to categorize emergency physician behaviors and environmental factors that are particularly challenging to the collection and analysis of wearable EKG sensors in situ.

Authors: Tracy Kim; Kathryn Kellogg; Matthew Nare; Joseph Blumenthal; Allan Fong

Entity: MedStar Health National Center for Human Factors in Health Care

Contact: tracy.c.kim@medstar.net

Poster 206: Looking at the Bigger Picture: Analysis of Patient Safety Event Reports in Mental Health Units

Summary: This study describes the development of a classification schema for examining adverse patient-safety events in psychiatric inpatient units and applies it to a larger data set.

Authors: Tracy Kim; Raj Ratwani; Allan Fong; Amy Goldstein; Jessica Howe

Entity: MedStar Health National Center for Human Factors in Health Care

Contact: tracy.c.kim@medstar.net

Poster 207: A Framework for Assessing Situational Awareness in Medical Team Training Digital Simulations

Summary: Two separate models of patient safety and situational awareness were combined to create a situational-awareness framework, applied here to the trauma-care process as an automated assessment. This conceptual framework is applicable for digital simulations.

Authors: Rebecca Kowalski; Danielle Mosby; Christine Jefferies; Peter Weyhrauch; James Neihaus; Raj Ratwani; Ashley McDermott; Kristen Miller

Entity: MedStar Institute for Innovation

Contact: rkowalsk@udel.edu

Poster 208: Signaling Sepsis: Predictors Included in Prognostic Scoring Systems

Summary: Scores are useful tools for clinicians, especially in sepsis. The variability of predictors comprising these scores has implications for integration into the electronic health record. We identified and described predictors included in sepsis scores.

Authors: Rebecca Kowalski; Danielle Mosby; Joseph Blumenthal; Ryan Arnold; Muge Capan; Kristen Miller

Entity: MedStar Institute for Innovation

Contact: rkowalsk@udel.edu

Poster 209: A Novel Approach to Faculty Development in Bedside Teaching: The Teaching Essentials Program for Clinical Faculty—a Feasibility Study

Summary: The Teaching Essentials Program is an interdepartmental pilot program designed to provide cost-effective faculty development related to bedside teaching based on adult learning theory integrating faculty across institutional training sites.

Authors: Jeffrey Love; Priscilla Furth; Shimae Fitzgibbons; Jack Sava; George Philips; Cheryl Iglesia; Robin Gross; Sally Santen

Entity: MedStar Washington Hospital Center

Contact: jnlove1@verizon.net

Poster 210: Chronic Care Model Supports Implementation of Technology-Enabled Diabetes Boot Camp Into the Patient-Centered Medical Home in a Regional Healthcare System

Summary: We report on the outcomes of implementation of a tech-enabled Diabetes Boot Camp into the patient-centered medical home in a regional healthcare system. Glycemic control and all cause admits were improved compared to propensity-matched controls.

Authors: Alex Montero; Kristin Bartel; Maranda Jackson-Parkin; Carine Nassar; Paul Sack; Debra Thayer; Stephen Fernandez; Mihriye Mete; Michelle Magee; Stephen Evans

Entity: MedStar Health/MedStar Georgetown University Hospital

Contact: alex.r.montero@gunet.georgetown.edu

Poster 211: Changing the Culture: A Residency Wellness Program

Summary: Utilizing a structured wellness program to address residents' needs and to foster a supportive learning environment.

Authors: Garima Narayan; Heather Hartman-Hall; Stephanie Detterline

Entity: MedStar Franklin Square Medical Center

Contact: garima.narayan@medstar.net

Poster 212: Geomapping HCV in a Large Healthcare System: An Analysis of Gaps in HCV Care Utilization

Summary: Distance traveled between home and provider for newly tested HCV RNA+ patients were analyzed to determine effects on Cascade of Care completion and health-resource distribution. Demographics and distance played a role in cascade completion.

Authors: Whitney Nichols; Alexander Geboy; Cathy Gurgol; Stephen Fernandez; Alexander Zeymo; Peter Basch; Dawn Fishbein

Entity: MedStar Health Research Institute

Contact: cathy.gurgol@medstar.net

Poster 213: High Efficacy of Eight Weeks of Ledipasvir/Sofosbuvir (LDV/SOF) in African Americans with Hepatitis C Virus Genotype 1 Infection in a Real-World Clinic Setting

Summary: Guidelines recommend that African-American genotype 1 HCV-infected patients receive 12 weeks of LDV/SOF therapy, even if they meet criteria for eight weeks. This study found that in a real-world setting, these patients responded to eight weeks of treatment.

Authors: Whitney Nichols; Alexander Geboy; Cathy Gurgol; Nicole Brown; Dawn Fishbein

Entity: MedStar Health Research Institute

Contact: cathy.gurgol@medstar.net

Poster 214: Rapid Response Team-Driven Palliative Care Consults: A Case Series

Summary: Rapid Response events are critical moments for seriously ill patients. We describe a pilot to use these events as an opportunity for specialty palliative care referrals and explore the characteristics of patients we evaluated as part of this project.

Authors: Clint Pettit; Lissa Berroa Garcia; Sanjeev Ganesh; Hunter Groninger

Entity: MedStar Washington Hospital Center

Contact: clint.s.pettit@medstar.net

Poster 215: Evaluation of MedStar Health Interprofessional Continuing Education Program: A Data Envelopment Analysis Approach

Summary: In collaboration with the Virginia Tech Industrial and Systems Engineering Department, and the MedStar Health Continuing Professional Education Department, a performance measurement and quality improvement project was conducted using an analytical model.

Authors: Cynthia Pineda; Negar Darabi; Juan Carlos Franco

Entity: MedStar Health

Contact: cynthia.g.pineda@medstar.net

Poster 216: Palliative Care Education Survey for Surgical Staff and Trainees

Summary: A survey was distributed in the summer of 2017 to surgery residents and advanced practice clinicians on the surgical service to determine their knowledge, attitudes, and perceived educational needs in Palliative Care.

Authors: Laura Johnson; Sebastian Cousins; Hunter Groninger

Entity: MedStar Washington Hospital Center

Contact: michael.pottash@medstar.net

Poster 217: We Want to Know: Evaluation of the Impact of Active Rounding on Quality and Safety, Real-Time Service Recovery, and Patient Experience

Summary: We Want to Know is a program making it easy for patients to speak up about perceived breakdowns in care. We were able to report on the type, frequency, and resolution of perceived breakdowns in care at one MedStar Health hospital.

Authors: Kelly Rosendall; Kimberly Cockey; Kelly Smith; Kelley Baker; Joan Bardsley

Entity: MedStar Health Institute for Quality and Safety

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Poster 218: Evaluating the Effectiveness of Oral Health Training to Improve Medical Student Education and Patient Oral Health Care at Georgetown University School of Medicine

Summary: This project was designed to increase medical students' knowledge about the importance of oral health and to teach students how to counsel patients on oral health through an Oral Health Training Program.

Authors: Amanda Corwin; Maya Sandalow; Eileen Moore; Vicki Girard

Entity: Georgetown University

Contact: ms4370@georgetown.edu

Poster 219: Interprofessional Shadowing Improves Role Definitions Between Nurses and Medical Students

Summary: This study examines how interprofessional shadowing sessions for medical students and nurse residents improves participant understanding of role definition in the hospital setting.

Authors: Shimae Fitzgibbons; Natalie Shammass; Kristine Edson; Nancy Morgan

Entity: MedStar Georgetown University Hospital

Contact: nls55@georgetown.edu

Poster 220: Barriers and Facilitators of Adopting a Technology-Enabled Diabetes Survival Skills Education Program for Inpatients: Diabetes to Go

Summary: Innovations in delivering standardized diabetes education during hospitalizations are needed. We explored perceptions of frontline staff on delivery education using an iPad for inpatients. Challenges and opportunities to widespread implementation are explored.

Authors: Kelly Smith; Kelley Baker; Patricia McCartney; Joan Bardsley; Michelle Magee

Entity: MedStar Health Institute for Quality and Safety

Contact: kelly.m.smith@medstar.net

Poster 221: The Implementation of SBIRT in Primary Care

Summary: Screening, Brief Intervention, and Referral to Treatment (SBIRT) is an empirically supported, comprehensive public health approach to early intervention for individuals with risky substance use or potential substance use disorders.

Authors: Anita Tammara; Heather Hartman-Hall

Entity: MedStar Franklin Square Medical Center

Contact: anita.tammara@medstar.net

Poster 222: Race Differences in Adverse Patient Safety Events in Organizations Applying High Reliability Principles

Summary: Determine the association between race and adverse patient-safety events at MedStar Health, a healthcare HRO that monitors adverse patient-safety events using multiple data sources.

Authors: Chinmay Pandit; Seth Krevat

Entity: MedStar Health Research Institute

Contact: angela.d.thomas@medstar.net

Poster 223: Demonstration of Measurable Impact After Implementation of a Safety Science HRO Program at MedStar Health

Summary: This is a descriptive study to assess if a training gap exists with Neurology (N), Pediatric (P), and Med-Peds (MP) residents at MedStar Georgetown University Hospital at providing care to patients with epilepsy who are transitioning from pediatric to adult care.

Author: Francis Tirol

Entity: Georgetown University

Contact: francis.a.tirol@gunet.georgetown.edu

Poster 224: Transitioning Youth With Epilepsy Into Adult Care: A Medical Education

Summary: A retrospective descriptive analysis of stroke readmissions at MedStar Georgetown University Hospital.

Authors: Jerdan Ruff, Melissa Bailey, Tracy Vu Fulton

Entity: MedStar Georgetown University Hospital

Contact: jerdanruff@gmail.com

Poster 225: Poor Compliance for Continuous Sialogogues in Patient-Reported Surveys

Summary: Despite compulsive instructions to use sialogogues continuously, most patients (90 percent) were not compliant.

Authors: Di Wu; Gauri Khorjekar; Pejman Kharazi; Shari Moreau; Kanchan Kulkarni; Kenneth Burman; Leonard Wartofsky; Douglas Van Nostrand

Entity: MedStar Health Research Institute

Contact: douglas.van.nostrand@medstar.net

Poster 226: Hands-On Palliative Care: Integrating Massage Therapy for Palliative Care Patients in Pain

Summary: To expand services available to PC patients at MedStar Washington Hospital Center, we developed a partnership to create an integrated approach to provide massage therapy to hospitalized PC patients in pain.

Authors: Anne Kelemen; Hunter Groninger; Lauren Cates; Gianna Shipp; Kathryn Walker

Entity: MedStar Health

Contact: kathryn.walker@medstar.net

Poster 227: From Novice to Expert: Designing Situational Judgment Tests to Inform Predictive Models of Triage Nurse Proficiency

Summary: Accurate forecasting of triage-skill acquisition and decay demands high fidelity conceptualization of patient encounters in the performance testing environment. Custom SJTs were optimized through data analytics, ethnographic study, and SME validation.

Authors: Christine Jefferies; Danielle Mosby; Daniel Hoffman; Joseph Blumental; Allan Fong; Andrew Naber; Krista Ratwani; Raj Ratwani; Kristen Miller

Entity: MedStar Health National Center for Human Factors in Health Care

Contact: danielle.l.mosby@medstar.net

Poster 228: These are Not the Triads You're Looking For: Updating Clinician Mental Models of Acute Spinal Cord Compression

Summary: Clinicians often use cognitive aids (e.g., classic triads) to recognize illnesses or conditions. We assessed the sensitivity and specificity of the classic triad for spinal cord compression and its associated electronic alert to aid in accurate diagnosis.

Authors: Christine Jefferies; Danielle Mosby; Rebecca Kowalski; Joseph Blumenthal; Allan Fong; Susan O'Meara; Rollin (Terry) Fairbanks; Kristen Miller

Entity: MedStar Health National Center for Human Factors in Health Care

Contact: danielle.l.mosby@medstar.net

Poster 229: Investigating Factors Related to Emergency Medicine Physician Stress

Summary: This study investigates factors related to emergency medicine resident and attending stress.

Authors: Amy Will; Tracy Kim; Allan Fong; Kathryn Kellogg

Entity: MedStar Institute for Innovation

Contact: amy.m.will@medstar.net

Poster 230: Implementation of a Coordinated Plan for Chronic Opioid Therapy in the Primary Care Setting

Summary: The aim of this study was to assess documentation practices of primary care clinicians before and after the implementation of a coordinated plan for chronic opioid therapy (COT) at 18 outpatient clinics.

Author: Kathryn Walker; Jennifer Woodard; Leigh Cervino; Stephanie Blease; Christopher Kearney

Entity: MedStar Health/University of Maryland, Baltimore

Contact: jennifer.woodard@som.umaryland.edu

Poster 231: The Use of Double-Checks in Chemotherapy Administration

Summary: The use of double-checks to increase medication safety is common, but human factors work has demonstrated it is problematic. This pilot project examined the chemotherapy administration process and identified where double-checks were used.

Authors: Rachel Wynn; Kristen Miller

Entity: MedStar Health Research Institute

Contact: rachel.m.wynn@medstar.net

Poster 232: Angioedema: A New Perspective on a Potentially Life-Threatening Condition

Summary: A retrospective study to compare outcomes of angioedema resulting from angiotensin converting enzyme inhibitors from other causes. Both groups have substantial morbidity and African-Americans are more than four times as likely to have angioedema from any cause.

Authors: Nelly Arnouk; Muhammad Qureshi; Muhammad Asghar; Stephen Pineda; Radhikka Vij; Rosemarie Maraj; Anagha Kumar; David Weisman

Entity: MedStar Union Memorial Hospital

Contact: nelly.arnouk@medstar.net

Poster 233: Sepsis and Altered Mental Status: The Value of CT Head Imaging

Summary: 10.4 percent (21/201) of ICU patients with sepsis or AMS had positive findings on CT head and 5.9 percent (12/201) of the total group had a change in management. This questions the value and appropriateness of ordering CT head imaging for these patients.

Authors: Aline Camargo; David Yousem; Matthew Alvin

Entity: MedStar Harbor Hospital

Contact: alinecamargo08@yahoo.com

Poster 234: Effects of Medicaid Expansion on Hand Trauma and Quaternary Care: The Curtis National Hand Center Experience

Summary: As the only center for hand trauma in the state of Maryland, The Curtis National Hand Center at Union Memorial Hospital is in a unique position to examine the effects of regionalization of hand trauma as well as Medicaid expansion on transfers.

Authors: Charles Daly; Aviram Giladi

Entity: MedStar Union Memorial Hospital

Contact: daly.charles.a@gmail.com

Poster 235: Antibiotic Prescribing Patterns in the Emergency Department for Uncomplicated Urinary Tract Infections

Summary: Before and after study on the effect of an educational intervention on emergency department antibiotic prescribing for uncomplicated urinary tract infections.

Authors: Lindsey DeGeorge; Stephen Gardner; Erika Page; Joseph Izzo; Matthew Wilson

Entity: MedStar Georgetown University Hospital/MedStar Washington Hospital Center

Contact: degeorge.lindsey@gmail.com

Poster 236: Knowledge and Attitudes of Trainees' Co-Prescribing Patterns of Gastroprotective Agents in Patients Taking Long-Term Non-Steroidal Anti-inflammatory Drugs (NSAIDs)

Summary: Despite guidelines regarding the use of gastroprotective agents in patients on NSAID therapy, this practice is still underutilized. Our results show that the foundation of knowledge is present, yet this is not carried out in practice by trainees.

Author: Nikki Duong

Entity: MedStar Georgetown University Hospital

Contact: nduong91@gmail.com

Poster 237: Outcomes of a National Survey of Faculty Development in Departments of Medicine of U.S. Community-Based Teaching Hospitals

Summary: Physicians rarely receive any kind of special training that would prepare them for their future roles as effective educators. We wonder if the resources available for faculty development has increased over the last decade.

Authors: Farshid Fargahi; Nargiz Mughanlinskaya

Entity: MedStar Union Memorial Hospital

Contact: farshid.fargahi@medstar.net

Poster 238: Can We Treat Alcohol Withdrawal in a Safer Way?

Summary: To evaluate if alcohol withdrawal can be prevented and managed in a safer way, we designed a new protocol with adjuvant medications and did a randomized clinical trial to compare it with the traditional therapy that uses benzodiazepine alone.

Authors: Farshid Fargahi; Himanshu Rawal; Ritesh Sherestha; Alex Yazaji

Entity: MedStar Union Memorial Hospital

Contact: farshid.fargahi@medstar.net

Poster 239: The Impact of Morbidity and Mortality Conference on Gastroenterologist's Behavior: Does Self and Peer Assessment Lead to Positive Change?

Summary: A case of hypopharyngeal carcinoma that had been missed on two prior EGDs was presented at an M+M/QI conference, after which endoscopic behaviors were tracked and compared to historical controls to see if the conference changed how EGDs were performed.

Authors: Samuel Kallus; Joseph Jennings; Shervin Shafa

Entity: MedStar Georgetown University Hospital

Contact: samuel.j.kallus@gunet.georgetown.edu

Poster 240: Effect of Years of Practice vs. Frequency of Repetition on Efficiency in Performing Transjugular Intrahepatic Portosystemic Shunt (TIPS). Does Practice Make Perfect?

Summary: Evaluating influence of years in practice versus effect of frequency of performing transjugular intrahepatic portosystemic shunt (TIPS) on efficiency in performing TIPS. Greater improvement in efficiency is seen with higher frequency of doing TIPS.

Authors: Pankaj Kaushal; Theresa Caridi; Alexander Kim; George Lynskey

Entity: MedStar Georgetown University Hospital

Contact: pankaj.kaushal@gunet.georgetown.edu

Poster 241: Infection Prevention in the Anesthesia Work Environment

Summary: The purpose of this study was to identify and acknowledge potential sources of infection in the anesthesia work environment and to decrease the risk of bacterial transmission.

Authors: Russell Wall; Meredith Coppinger; Mausam Kuvadia; Ella Franklin

Entity: MedStar Georgetown University Hospital

Contact: mausam.kuvadia@gunet.georgetown.edu

Poster 242: MedStar General Surgery Resident Wellness: An Approach to Improving the Physical, Emotional, and Professional Well-Being of General Surgery Residents

Summary: Research describing a novel method of preventing general surgery resident burnout by implementing wellness initiatives.

Authors: Mei Li Kwong; Shawna Kettyle; Lauren Nosanov; Candice Thompson; Keshia Oza; Phil Kim; Kate Carrato; Nazli Atefi; Tyler Holliday; Naghmeh Pirsaharkhizlangroudi; Kyle Reynolds; Caitlin Sorensen; Andy Peters; Chadi Abouassaly; Erin Felger

Entity: MedStar Washington Hospital Center

Contact: meili.m.kwong@medstar.net

Poster 243: Patient-Safety Leadership WalkRounds to Improve Resident Reporting and Recognition of Patient Safety Events

Summary: Patient Safety WalkRounds were conducted by a fellow in quality and safety. Rounds consisted of informal education, discussion of barriers, and feedback about patient-safety event reporting.

Author: Melanie Powell

Entity: MedStar Health Institute for Quality and Safety

Contact: melanie.a.powell@medstar.net

Poster 244: Minority Women Physician Leaders in Academic Medicine: A Qualitative Study

Summary: There are few studies that focus on the experiences of minority women physician leaders in academic medicine.

The purpose of the study was to describe the experiences of minority women physician leaders in academic medicine, including their development of leadership awareness, experiences with mentors, and barriers and successes in their careers.

Author: Amber Robins

Entity: MedStar Health/Georgetown University

Contact: dramberrobins@gmail.com

Poster 245: What Is the Individual Survival Benefit of Population-Based Clinical Preventive Services?

Summary: We aimed to calculate the relative individual survival benefits of USPSTF clinical practice recommendations in terms of Quality Adjusted Life Days to compare the relative importance of various preventive services.

Author: Max Romano

Entity: MedStar Franklin Square Medical Center

Contact: max.romano@medstar.net

Poster 246: Cross-National Food Study Linked to the Improvement of Dietary Health Outcomes in a High-Need Washington, D.C., Community

Summary: Ethnographic study aimed at understanding food cultures of high needs families of Ward 8 in D.C. and Senegal. The food cultures will be used to inform healthcare providers to offer culturally appropriate interventions to influence healthy behaviors.

Authors: Melissa See; Paul Lachelier; Kim Bullock

Entity: Georgetown University School of Medicine

Contact: mvs63@georgetown.edu

Poster 247: An Eye-Tracking Study to Enhance Usability of Molecular Diagnostics Reports in Cancer Precision Medicine

Summary: We conducted usability studies on commercially available molecular diagnostic test (MoIDx) reports to identify strengths and weaknesses in content and form that drive clinical decision making.

Authors: Vishakha Sharma; Allan Fong; Robert Beckman; Shruti Rao; Simina Boca; Peter McGarvey; Raj Ratwani; Subha Madhavan

Entity: Georgetown University

Contact: vs545@georgetown.edu

Poster 248: Complication of Liquid Silicone Injection

Summary: Breast augmentation has a fascinating and terrifying history. It all started with paraffin or oil injections and later progressed to silicone or polyacrylamide hydrogel injection, which has its own complication as described in this case presentation.

Author: Sadaf Mustafa

Entity: MedStar Union Memorial Hospital

Contact: anchan.tiwari@medstar.nett

Poster 249: What Matters Most to the Patients During Hospitalization and Its Relationship With Hospital Rating

Summary: Factors associated with hospital rating and patient experience during hospitalization.

Authors: Niloofar Yahyapourjalaly; Chirag Trivedi; Amber Famiglietti; Eskandar Yazaji; Stephanie Detterline

Entity: MedStar Health

Contact: dr.njalaly@gmail.com

Case Reports

Poster 250: Culture Clash: Hikikomori's Impact on Assessing Major Depressive Disorder in Japanese-American Adolescents and the Importance of Cultural Competency

Authors: Puja Sawhney; Megan Chochol; Ana Jaramillo; Samuel Schiavone; Sean Pustilnik

Entity: MedStar Georgetown University Hospital

Contact: megan.d.chochol@gunet.georgetown.edu

Poster 251: Can Residents Safely Determine an Appropriate Level of Care for Patients?

Author: Afnan Mossaad

Entity: MedStar Washington Hospital Center

Contact: afnan.k.mossaad@medstar.net

Neurology/Rehabilitation

Poster 252: Motor Behavior Pre-Recovery: Single-joint and Multijoint Control and Upper-extremity Use

Summary: An ongoing study of motor behaviors early after stroke, modified as little as possible by self-directed practice or by formal therapy.

Authors: Shashwati Geed; Peter Lum; Dorothy Edwards; Alexander Dromerick

Entity: MedStar National Rehabilitation Network

Contact: jessica.barth@medstar.net

Poster 253: Development of a Validation Process for CPASS Certification

Summary: This poster will describe the creation of a validation rubric for implementation of the Critical Periods After Stroke Study (CPASS) therapy protocol for UE recovery.

Authors: Tamara Brown; Jessica Barth; Abigail Mitchell; Kathaleen Brady; Margot Giannetti; Dorothy Edwards; Alexander Dromerick

Entity: MedStar National Rehabilitation Network

Contact: tamara.l.brown@medstar.net

Poster 254: Designing a Home Blood Pressure Self-Management Study for Hypertensive Stroke Survivors

Summary: Assessing blood pressure control in hypertensive stroke survivors who engage in a telemonitoring home blood pressure self-management program after six months, as compared to usual care.

Author: M. Carter Denny; Rochelle Tractenberg; Suzanne Groah

Entity: MedStar Georgetown University Hospital

Contact: mary.carter.denny@gunet.georgetown.edu

Poster 255: Stroke Transitions of Care Coordination to Reduce Hospital Length of Stay

Summary: We propose the Transitions of Care Coordinator (TOCC) program in which a nurse navigator facilitates stroke patients' transition through the acute care hospital to inpatient rehabilitation.

Authors: Sydney Palka; Amanda Lantzy; Jacqueline Leutbecker; Ashley Carlson-Chalifoux; Xue Geng; Valeriy Korostyshevskiy; M. Carter Denny

Entity: MedStar Georgetown University Hospital

Contact: mary.carter.denny@gunet.georgetown.edu

Poster 256: Plasma MicroRNA Markers of Upper-Limb Recovery Following Human Stroke Associated With Neural Repair Mechanisms

Summary: We discovered 11 differentially expressed microRNAs between stroke patients experiencing good vs. poor arm recovery. Three of these microRNAs are potentially implicated in neural repair mechanisms.

Authors: Matthew Edwardson; Xiaogang Zhong; Amrita Cheema; Alexander Dromerick

Entity: MedStar Georgetown University Hospital/Center for Brain Plasticity and Recovery

Contact: mae97@georgetown.edu

Poster 257: Variability in Blood Pressure Medications Prescribed to Stroke Patients at Hospital Discharge

Summary: Records review to determine if there is a wide variation in the classes of blood pressure medications prescribed to adult AIS patients at the time of hospital discharge.

Authors: Amanda Lantzy; Leticia Simo; Ashley Carlson-Chalifoux; Preethy Feit; Anjail Sharif; M. Carter Denny

Entity: MedStar Health Research Institute

Contact: preethy.k.feit@medstar.net

Poster 258: Critical Periods After Stroke Study (CPASS): A Phase II Trial

Summary: The purpose of this study is to determine whether there are critical periods after a stroke when patients may be more responsive to therapy and have greater arm recovery.

Authors: Alexander Dromerick; Dorothy Edwards; Matthew Edwardson; Margot Giannetti; Jessica Barth; Kathaleen Brady; Abigail Mitchell; Shashwati Geed; Claire Wilson; Tamara Brown; Ming Tan; Massimo Fiandaca; Howard Federoff; Elissa Newport

Entity: MedStar National Rehabilitation Network

Contact: margot.giannetti@medstar.net

Poster 259: Visual-Spatial Impairments After Right-Hemisphere Stroke: Let's Not Neglect What's Not Neglect!

Summary: Here we show that cognitive rehabilitation after right-hemisphere stroke could benefit from (1) using timed visual search tasks to detect subtle signs of hemispatial neglect and (2) assessing other, more prevalent visual-spatial impairments.

Authors: Anna Greenwald; Katrina Ferrara; Barbara Landau; Elissa Newport; Dorothy Edwards; Alexander Dromerick

Entity: Georgetown University

Contact: as2266@georgetown.edu

Poster 260: Self-Reported Inner Speech in Aphasia Is Related to Phonological Retrieval

Summary: People with aphasia express frustration with speech abilities that fail to reflect internal knowledge of words. We investigated subjective experiences of successful inner speech by comparing them to objective measures of language and cognitive abilities.

Authors: Mackenzie Fama; Sarah Snider; William Hayward; Rhonda Friedman; Elizabeth Lacey; Peter Turkeltaub

Entity: MedStar National Rehabilitation Network

Contact: ehl4@georgetown.edu

Poster 261: Restoration of Proper Task Mechanics of the Hand Post-Stroke by Identifying and Counteracting Subject-Specific Deficits

Summary: We tested the feasibility of a novel method to restore mechanics of functional tasks by identifying subject-specific impairments and counteracting them with compliant actuators without restraining motion to predefined patterns, promoting participation.

Authors: Billy Vermillion; Sang Wook Lee

Entity: MedStar National Rehabilitation Network/Catholic University

Contact: leesw@cua.edu

Poster 262: Nature of Task Significantly Affects How People Adapt to External Assistance During Training

Summary: In this study, we aim to examine how people adapt their muscle coordination patterns during two types of finger extension tasks (isometric vs. isokinetic) when targeted assistance was provided to the long finger extensor muscles.

Authors: Hien Nguyen; Billy Vermillion

Entity: MedStar National Rehabilitation Network/Catholic University

Contact: leesw@cua.edu

Poster 263: Levodopa-Induced Dyskinesia Is Preventable (15 Years of Experience Using Continuous Dopaminergic Stimulation)

Summary: A regimen of multiple (six times daily) small doses of levodopa is associated with a significantly lower incidence of dyskinesia. Levodopa-induced dyskinesia appears to be preventable.

Authors: Mark Lin; Robert Laureno

Entity: MedStar Washington Hospital Center

Contact: mark.m.lin@medstar.net

Poster 264: Measurement of Upper-Extremity Movement After Stroke: Use of Accelerometry to Compare CPASS Treatment to Usual and Customary Care

Summary: This poster will present initial accelerometry data and analysis collected from participants of an upper-extremity motor therapy study and compare data to usual and customary inpatient occupational therapy treatment.

Authors: Abigail Mitchell; Jessica Barth; Kathaleen Brady; Margot Giannetti; Peter Lum; Dorothy Edwards; Alexander Dromerick

Entity: MedStar National Rehabilitation Network

Contact: abigail.m.mitchell@medstar.net

Poster 265: Observations of a Multiple Sclerosis Patient-Centered Specialty Practice: Analysis of Depression Patterns

Summary: Given that depression is a major MS-related morbidity that would be amenable to early identification and intervention in a PCSP model, we chose to examine the baseline demographics of the patients in MS-Advance to determine the prevalence of depression and whether disability, cognitive status, or time since diagnosis was predictive of its occurrence.

Author: Carlo Tornatore

Entity: MedStar Georgetown University Hospital

Contact: tornatoc@gunet.georgetown.edu

Poster 266: The Use of Sphenopalatine Ganglion Block as a Treatment for Primary Headache Disorders: A Survey of the American Headache Society Membership

Summary: A survey of American Headache Society membership to look at current practice patterns regarding SPG block as a treatment modality for primary headache disorders.

Authors: John Burkett; Jessica Ailani; Nicolas Saikali; Matthew Robbins; Carrie Robertson; Rashmi Halker Singh

Entity: Georgetown University

Contact: jburkett573@gmail.com

Poster 267: Examining the Role of Physiatry in a Multidisciplinary Tumor Board

Summary: Physical medicine and rehabilitation (PM&R) is concerned with preventing, treating, and managing a variety of disorders to enhance function. This study aimed to determine the role of physiatry in the setting of a multidisciplinary tumor board.

Authors: Eric Wisotzky; Katherine Power; Ashish Khanna; Christine Hluchan; Nolan Gall

Entity: MedStar Health

Contact: nag48@georgetown.edu

Poster 268: Successful Recovery of Upper-Extremity Motor Function After Stroke: The SHIPS Study

Summary: The SHIPS study is examining the neurophysiological markers of successful upper-extremity motor recovery early after stroke.

Authors: Jessica Barth; Michelle Harris-Love; Peter Lum; Alexander Dromerick

Entity: MedStar National Rehabilitation Network

Contact: shashwati.geed@medstar.net

Poster 269: Renal Conversion of L-Dihydroxyphenylserine (Droxidopa) to Norepinephrine in Levodopa-Untreated Patients With Neurogenic Orthostatic Hypotension

Summary: In this study, we explored the possibility of substantial renal conversion of L-dihydroxyphenylserine (droxidopa) to norepinephrine.

Authors: Guillaume Lamotte; Patricia Sullivan; Courtney Holmes; David Goldstein

Entity: MedStar Georgetown University Hospital

Contact: guillaumelamotte14@gmail.com

Poster 270: Combined Surgical Therapies for Optimal Management of Advanced Parkinson's Disease: Levodopa-Carbidopa Intestinal Gel and Deep Brain Stimulation

Summary: We report a case series of five patients with advanced Parkinson's disease who began LCIG for refractory motor fluctuations while continuing to use longstanding bilateral DBS.

Authors: Elizabeth Mundel; Billy Hoffman; Yasar Torres-Yaghi; Nathan Starr; Nadia Yusuf; Fahd Amjad; Fernando Pagan

Entity: MedStar Georgetown University Hospital

Contact: elizabethmundel@gmail.com

Poster 271: Screening for Lead Toxicity After Gunshot Wound in a Rehabilitation Setting

Summary: Observational pilot study that reveals elevated blood-lead level resulting in lead toxicity in patients with retained bullet shrapnel secondary to gunshot wound.

Authors: Robert Bunning; Jennifer Hankenson

Entity: MedStar Georgetown University Hospital/MedStar National Rehabilitation Hospital

Contact: emma.nally@medstar.net

Poster 272: Urinary Symptoms and Urinalysis Do Not Predict Uropathogens on Pyrosequencing in Patients With Spinal Cord Injury

Summary: Observational pilot study that demonstrates that there are uropathogens and a lack of probiotic organisms in the urine of spinal cord injury patients with neurogenic bladder, while both in a healthy state and with symptoms of urinary tract infection.

Authors: Emma Nally; Suzanne Groah

Entity: MedStar Georgetown University Hospital/MedStar National Rehabilitation Hospital

Contact: emma.nally@medstar.net

Poster 273: A Single-Time Oral Administration of Nilotinib Significantly Alters the Level of Parkinson's Disease Biomarkers: An Interim Analysis

Summary: Parkinson's disease (PD) results in loss of dopaminergic neurons as a result of oligomerization and accumulation of alpha-synuclein. Our preclinical and open-label phase I data indicate that the tyrosine kinase inhibitor (TKI) nilotinib may improve motor symptoms and cognition, reverse dopamine loss, and reduce brain alpha-synuclein.

Authors: Nathan Starr; Fernando Pagan; Michaeline Hebron; Barbara Wilmarth; Myrna Arellano; Yasar Torres-Yaghi; Abigail Lawler; Tara Kimbason; Elizabeth Mundel; Nadia Yusuf; Margo Peyton; Ashot Shekoyan; Helen Howard; Jaeil Ahn; Charbel Moussa

Entity: MedStar Georgetown University Hospital

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Poster 274: Family Structures in Adult-Onset Focal Dystonia

Summary: In this study, we sought to better delineate patterns of inheritance in AOFD. The family history of dystonia varies across body parts, with generalized standing out as much higher. The family history of tremor varies across the various types of dystonia, but it appears lower for craniofacial.

Author: Maryamnaz Zaribaf

Entity: MedStar Union Memorial Hospital

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Case Reports

Poster 275: Valproate Associated Hyperammonemic Encephalopathy: A Cause of Altered Mental Status in Epilepsy Patients: A Case Report

Authors: Paula Barreras; Zayd Nashaat
Entity: MedStar Union Memorial Hospital
Contact: pvbarreras@gmail.com

Poster 276: Frontal Lobe Epilepsy: The Great Masquerader

Author: Mazen Elkurd
Entity: Georgetown University
Contact: elkurdmazen@gmail.com

Poster 277: Clozapine-Induced Myoclonus, Drop Attacks, and Stuttering Associated With Smoking Cessation in a Patient With Schizophrenia: A Case Report

Authors: Megan Chochol; Puja Sawhney; Lynn Kataria; Mary O'Rourke; Guillaume Lamotte
Entity: MedStar Georgetown University Hospital
Contact: mdchochol@gmail.com

Poster 278: Iron-Deficiency Anemia in Cerebral Sinus Thrombosis: Characteristic of a Patient Population or Risk Factor?

Authors: Dhiviya Tharmaratnam; Mark Chylinski; Samuel Miller
Entity: MedStar Harbor Hospital
Contact: d.tharmaratnam1@gmail.com



Nursing Research

Poster 279: Education and Patient Preferences for Treating Type 2 Diabetes: A Stratified Discrete-Choice Experiment

Summary: Patients with type 2 diabetes (T2DM) value reductions in A1C levels, but also have preferences for medications that stabilize daily glucose levels and reduce burdens of medication. Treatment preferences were assessed using a discrete-choice experiment (DCE).

Author: Joan Bardsley
Entity: MedStar Health Research Institute
Contact: joan.k.bardsley@medstar.net

Poster 280: A Pilot Project: Evaluating the Perception and Feasibility of Implementation of the Critical-Care Pain Observation Tool (CPOT)

Summary: Inadequate pain assessment of nonverbal critical-care patients is a common occurrence. Implementation of the CPOT in a pilot ICU and evaluating the nurse's perception of the CPOT can allow identification and mitigation of barriers to full implementation.

Author: Eugena Bergvall
Entity: MedStar Washington Hospital Center
Contact: ebergvall@umaryland.edu

Poster 281: Facilitating Person-Centered Care for People With Intellectual and Developmental Disabilities

Summary: This QI project will assist in bridging a gap in healthcare organizations and other facilities that provide the same support and services to people with disabilities.

Author: Laure Ndeutchoua
Entity: MedStar Washington Hospital Center
Contact: lndutchoua@sdmonestop.com

Poster 282: Is an Educational Road Show an Effective Method to Increase the Interest and Awareness in Clinical Nurses in the Use of the Assessment of Acute Pain in the Hospitalized Adult MedStar Nursing Clinical Practice Guidelines?

Summary: MedStar Southern Maryland Hospital Center (MSMHC) Nursing Practice Council (NPC) chair noted gaps in registered nurses' (RNs) implementation of pain CPG recommendations during observational rounds with a MedStar Health advanced practice registered nurse (APRN).

Author: Karen Mack

Entity: MedStar Southern Maryland Hospital Center

Contact: angela.sprouse@medstar.net

Poster 283: Topics in Interprofessional Education: Families in Crisis

Summary: This project focused on offering Families in Crisis as an interprofessional education (IPE) course between medical and family nurse practitioner students at Georgetown University (GU).

Author: Lois Wessel

Entity: Georgetown University

Contact: wessell@georgetown.edu

Poster 284: Optimization of a Sepsis Screening System

Summary: Early recognition and treatment improves sepsis outcomes. This project utilized the Systems Usability Scale to assess the usability of the current electronic sepsis screening tool and treatment process by the Rapid Response Sepsis Team (RRST).

Authors: Patricia McCabe; Janet Thorne; Sandi McDermott

Entity: MedStar Washington Hospital Center

Contact: patricia.mccabe@medstar.net

 **Obstetrics/Gynecology/Pediatrics/Neonatology**

Poster 285: Tight Nuchal Cord Syndrome

Summary: Features of umbilical cord compression due to umbilical cord around the fetal neck is akin to adult strangulation, leading to obstruction of blood flow in thin-walled umbilical vein while blood continues to be pumped out of umbilical artery, causing hypoxia.

Author: Morarji Peesay

Entity: MedStar Georgetown University Hospital

Contact: morarji.r.peesay@gunet.georgetown.edu

Poster 286: Randomized Crossover Comparison of Icon Reusable Underwear to Disposable Pads for the Management of Mild to Moderate Urinary Incontinence

Summary: In this randomized trial between Icon underwear and disposable pads, we found that Icon underwear was preferred on product evaluation, with significantly better fit, comfort, and discreteness in the management of mild to moderate urinary incontinence.

Authors: Pakeeza Alam; Linda Burkett; Brett Clark; Eshetu Tefera; Nicola White; Lee Richter

Entity: MedStar Washington Hospital Center

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Poster 287: Blood Loss by Technique That Predicts Postpartum Transfusion in Women With Postpartum Hemorrhage

Summary: The rate of postpartum hemorrhage quadrupled when measured by quantitative blood loss. Postpartum blood product transfusions also increased in women with postpartum hemorrhage measured by quantitative blood loss, independent of changes in maternal vital signs.

Authors: Elizabeth Coviello; Rebecca Chornock; Megan Cheney; Sameer Desale; Casey Logan; G. Alex Trivette; Sara Iqbal; Melissa Fries

Entity: MedStar Washington Hospital Center

Contact: elizabeth.coviello@gmail.com

Poster 288: Early Preterm Preeclampsia Outcomes by Intended Mode of Delivery

Summary: Almost half the women with early preterm preeclampsia who underwent IOL had a VD. Women with IOL and VD were associated with increased rates of maternal ICU admission but not increased rates of maternal mortality. The benefit of IOL with VD may decrease the comorbidities associated with a previous CD in subsequent pregnancies.

Authors: Elizabeth Coviello; Sara Iqbal; Katherine Grantz; Chih-Chung Huang; Helain Landy; Uma Reddy

Entity: MedStar Washington Hospital Center

Contact: elizabeth.coviello@gmail.com

Poster 289: Urinary Tract Infection Is Common in VLBW Infants

Summary: Urinary tract infection is a common but an under-recognized cause of late-onset sepsis in the very low birth weight neonatal intensive care unit population. A urine culture should be obtained with every late-onset sepsis evaluation.

Authors: Caitlin Drumm; Javedan Siddiqui; Sameer Desale; Jayashree Ramasethu

Entity: MedStar Georgetown University Hospital

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Poster 290: Surgical Bundle to Reduce Wound Complication After Cesarean Delivery

Summary: MedStar Washington Hospital Center implemented surgical bundle to reduce wound complication after cesarean delivery. The surgical bundle statistically significantly decreased the rate of wound complication.

Authors: Tetsuya Kawakita; Sara Iqbal; Sameer Desale; Melissa Fries

Entity: MedStar Washington Hospital Center

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Poster 291: Langerhans Cell Histiocytosis: A Demonstrative Case and Review of Current Diagnosis and Management

Summary: Langerhans Cell Histiocytosis, a rare disorder, has the potential for devastating sequelae when CNS is involved. The purpose of this review is to present a pediatric case and review the workup and management (medical and operative) of this disease.

Authors: Arielle Schwartz; Rosenblum Jared; Matthew Nazari

Entity: MedStar Georgetown University Hospital

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Poster 292: Correlation Between Comorbidities and Female Sexual Dysfunction: Findings From the Third National Survey of Sexual Attitudes and Lifestyles (Natsal-3)

Summary: A secondary analysis of the third National Survey of Sexual Attitudes and Lifestyles (Natsal-3) examining the relationship between comorbidities and sexual dysfunction in women.

Authors: Allison Polland; Meghan Davis; Alexander Zeymo; Cheryl Iglesia

Entity: MedStar Washington Hospital Center

Contact: allison.r.polland@medstar.net

Poster 293: Knowledge and Acceptability of HIV Pre-Exposure Prophylaxis (PrEP) in Pregnant Women

Summary: A survey of HIV-negative pregnant women in a high-prevalence community aiming to evaluate knowledge and acceptability of PrEP as a prevention measure for HIV infection during pregnancy.

Authors: Robin Richards; Kristen Klemmer; Frida Salmoran; Stephen Fernandez; Shawnika Hull; Craig Hendrix; Rachel Scott

Entity: MedStar Washington Hospital Center

Contact: robin.c.richards@medstar.net

Poster 294: Respiratory and Hemodynamic Changes in Neonates With Hypoxic-Ischemic Encephalopathy During and After Whole-Body Hypothermia

Summary: A retrospective study looking at the degree to which whole body hypothermia impacts metabolic demand and the need for respiratory support during cooling and the subsequent rewarming period in infants with hypoxic-ischemic encephalopathy.

Authors: Stephanie Sheppard; Kabir Abubakar

Entity: MedStar Georgetown University Hospital

Contact: slrosenbloom@gmail.com

Case Report

Poster 295: Generalized Pediatric Lichen Planus Pigmentosus: A Rare Entity

Authors: Rhett Kent; Yasmine Kirkorian; Maura Caufield

Entity: MedStar Washington Hospital Center

Contact: rhettkent@gmail.com

Oncology/Hematology

Poster 296: Exon Mutational Analysis for Gist: Dissemination and Impact on Treatment

Summary: Investigating the use of NCCN-guideline considered care for gastrointestinal stromal tumors. How often is exon mutational analysis used to guide tyrosine kinase inhibitor therapy and what is the impact on treatment decisions?

Authors: Waddah Al-Refaie; Alex Bartholomew; Hayden Dohnalek; Petra Prins; Humair Quadri; Lynt Johnson; John Marshall; Nadim Haddad

Entity: MedStar Georgetown University Hospital

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Poster 297: MedStar Smoking Cessation Program: Quality Improvement Study

Summary: Three out of four hospitals within the MedStar Cancer Network struggled with low registration and participant outcomes at their smoking cessation programs. In 2016, MedStar North Cancer Network launched a P.I. team.

Authors: Ruth Evans; Nancy Thrush

Entity: MedStar Franklin Square Medical Center

Contact: ruth.evans@medstar.net

Poster 298: Early Cardiotoxicity After Radiation Therapy for Thoracic Malignancies

Summary: In this prospective study, we detected post-treatment cardiotoxicity following radiation therapy for esophageal cancer using cardiac MRI.

Authors: Celine Yeh; Blair Marshall; Barbara Srichai; Ana Barac; Keith Unger

Entity: MedStar Georgetown University Hospital

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Poster 299: Using Heuristic Evaluation to Assess the Usability of Molecular Diagnostic Reports

Summary: The use of molecular diagnostics to guide a clinician's choice of treatment has been growing. We assessed the usability of molecular diagnostic reports using a survey and heuristic evaluations, and found that it was poor.

Authors: Rachel Wynn; Vishakha Sharma; Allan Fong; Sunnie Kim; Raj Ratwani; Subha Madhavan

Entity: MedStar Health Research Institute

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Poster 300: Blockade of Sonic Hedgehog Pathway: A Novel Preventive Approach for Esophageal Adenocarcinoma

Summary: The Sonic Hedgehog cascade is implicated in the development of esophageal metaplasia and cancer. Inhibition of the cascade by the antifungal itraconazole is associated with significant reduction in the incidence of adenocarcinoma in rat reflux model.

Authors: Amir Ansari; Tomoharu Miyashita; Guy Marti; Ken-ichi Mukaisho; Elizabeth Montgomery; Michelle Rudek-Renaut; Christine Chung; Ronan Kelly; John Harmon

Entity: MedStar Health Internal Medicine

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Poster 301: The Effect of Bortezomib on Renal Dysfunction in African-American Patients With Multiple Myeloma

Summary: A statistically significant improvement in RD was observed in AA patients with MM based on Cr and GFR treated with a bortezomib-based regimen. The greatest response was seen in the first three months of therapy, which plateaued by month six.

Authors: Parimal Chintala; Gagan Brar

Entity: MedStar Washington Hospital Center

Contact: parimal.p.chintala@medstar.net

Poster 302: Pretreatment ^{99m}Tc-Mebrofenin Hepatobiliary Scintigraphy, an Adjuvant Predictor of Postradioembolization Clinical Status

Summary: ^{99m}Tc-mebrofenin hepatobiliary scintigraphy performed prior to radioembolization (RE) correlated with worsening of post-RE Child Pugh and ALBI scores, suggesting its use as a surrogate marker for hepatic function in ideal RE candidates selection.

Authors: Marco Ertreo; Sabeeha Chowdhuri; Julie An; Giuseppe Esposito; Theresa Caridi; Emmett Lynskey; Donna Buckley; Emil Cohen; David Field; John Cardella; Alexander Kim

Entity: MedStar Georgetown University Hospital

Contact: marco.ertreo@gmail.com

Poster 303: Molecular Characterization of Chordomas, Including Tumor Mutational Load and Other Immune Biomarkers

Summary: We molecular-profiled 68 chordoma cases to identify potential drugable targets, successfully finding several mutations, characterizing surface protein expression and quantifying tumor mutational load.

Authors: William Kelly; Amjad Anaizi; Joanne Xiu; Deepa Subramaniam

Entity: Georgetown University/Caris Life Sciences

Contact: william.j.kelly@medstar.net

Poster 304: Is Subacute Rehabilitation Effective for Hospitalized Patients With Cancer Requiring Palliative Care Consultation?

Summary: Patients with advanced cancer inevitably experience a functional decline. Discharge plans to subacute rehab (SAR) to gain strength are common. We examined if inpatients with advanced cancer discharged to SAR are able to follow up with their oncology team.

Authors: Muhammad Azeem Khan; Diana Stewart; Clint Pettit; Hunter Groninger

Entity: MedStar Washington Hospital Center

Contact: muhammad.a.khan@medstar.net

Poster 305: Asian DEL Phenotype: Are There Implications for Blood Transfusion in the United States?

Summary: DEL RBCs, expressing a very weak D antigen, type as RhD-negative by routine serologic methods and are transfused routinely to RhD-negative recipients. It is important to know if transfused units of DEL RBCs pose a risk of Rh-alloimmunization in the US.

Authors: Ann Kwon; S. Gerald Sandler; Willy Flegel

Entity: MedStar Georgetown University Hospital

Contact: donghyang.kwon@gunet.georgetown.edu

Poster 306: Delays in Time to Follow Up for Breast Abnormalities as Related to Race, Mental Illness, and Substance Abuse

Summary: Delays in the diagnosis of breast cancer may lead to later stages, worse outcomes and more costly care. We set out to quantify such delays looking at race/ethnicity, socioeconomic status, and history of mental illness or substance abuse.

Authors: Jennifer Reid; Ekaterina Fedorova; Allison Estep; Gregory Burgoyne; Maen Farha

Entity: MedStar Union Memorial Hospital

Contact: jennifer.e.reid@medstar.net

Poster 307: Impact of Steroid Use for Immune-Related Adverse Events (irAEs) on Outcomes in Non-Small Cell Lung Cancer Treated With Checkpoint Inhibitors

Summary: These retrospective data do not demonstrate a difference in response or treatment failure among patients who received steroids for irAEs and support the use of steroids when necessary.

Authors: Neil Shah; William Kelly; Barbara Ma; Yizhao Zhou; Jeevan Puthiamadthil; Deepa Subramaniam; Giuseppe Giaccone; Ming Tan; Stephen Liu

Entity: MedStar Georgetown University Hospital

Contact: neil.j.shah@gunet.georgetown.edu

Poster 308: Safety Measure in End-Stage Renal Disease (ESRD) Patients Receiving Apixaban Anticoagulation for Atrial Fibrillation or VTE

Summary: Apixaban is safe and efficacious for stroke prophylaxis in atrial fibrillation (AF) patients and treatment of VTE. However, few studies have evaluated their use in ESRD on HD. We present the first study analyzing the safety of apixaban in ESRD patients.

Authors: Anusha Vakiti; Kimberley Doucette; Bhavisha Patel; Hira Latif; Eshetu Tefera; Kelly Fitzpatrick

Entity: MedStar Washington Hospital Center

Contact: anusha.vakiti@medstar.net

Poster 309: Imaging of Spindle Cell Lipoma

Summary: We retrospectively evaluated the MR and CT imaging findings of 27 surgically resected and pathologically proven spindle cell lipoma (SCL) to evaluate the varied imaging appearance of spindle cell lipoma and correlate with pathologic findings.

Authors: Alex Wu; James Jelinek; Dhruv Kumar; Alycia VanHorn; Matt Wallace; Albert Aboulafia

Entity: MedStar Franklin Square Medical Center

Contact: hialexwu@gmail.com

Poster 310: Fluorescence in Situ Hybridization (FISH) Adds Value to Cytology in the Diagnosis of Bile Duct Brushing in Patients With Primary Sclerosing Cholangitis

Summary: Cholangiocarcinoma is a leading cause of morbidity and mortality in patients with Primary Sclerosing Cholangitis (PSC). The aim of this study is to assess the added value of FISH testing of Bile Duct Brushing in PSC patients.

Authors: Julio Laureano; Mary Sidawy

Entity: MedStar Georgetown University Hospital

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Poster 311: Risk Stratification of Thyroid Nodules in Bethesda System Category III Cytopathology (AUS/FLUS) Using Subclassification and Gene Expression Classifier (GEC): A Single Aspirator's Experience

Summary: A significant proportion of thyroid FNA are classified in Bethesda category III (AUS/FLUS), the Afirma® gene expression classifier (GEC) has emerged as adjunct to traditional cytological diagnosis in this category.

Authors: Mary Sidawy; Anne Busseniers

Entity: MedStar Georgetown University Hospital

Contact: wfangxwei@gmail.com

Poster 312: Personalized Therapy With CD30 Targeted Drug Delivery for Malignant Tumors: A Focused Review of the Literature

Summary: The CD30 antigen has shown variable prevalence among both lymphomatous and nonlymphomatous malignancies. The purpose of this review is to show the increased prevalence of CD30 in embryonal carcinoma (77.3 percent), mixed germ cell (65 percent), and sarcomas (27 percent).

Authors: Umar Zahid; Rehan Farooqi; Ahmad Iftikhar; Faiz Anwer

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Case Reports

Poster 313: Myelofibrosis in the Setting of IgG4 Disease

Authors: Sarah Ahmad; Nebiyu Eshetu; Ajoy Karrikeneth; Richard Williams; Michael Sutula; Jasmine Reed; Stefan Canacevic

Entity: MedStar Harbor Hospital

Contact: sarah12ahmad@gmail.com

Poster 314: A Challenging Case of Pseudohyperkalemia in Chronic Lymphocytic Leukemia

Authors: Muhamad Alhaj Moustafa; Vera Malkovska; Sherif Elmahdy; Joseph Catlett

Entity: MedStar Washington Hospital Center

Contact: alhajmoustafa@gmail.com

Poster 315: Gastric Plasmacytoma: Unusual Cause of an Upper GI Bleed

Authors: Sharareh Badri; Srilaxmi Gujjula; Srilakshmi Vallabhaneni; Ajoy Karikkineth

Entity: MedStar Harbor Hospital

Contact: srehb@msn.com

Poster 316: Biliary Obstruction From a Pancreatic Plasmacytoma

Authors: Rohan Mandaliya; Wen Lee; Mitesh Patel

Entity: MedStar Washington Hospital Center

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Poster 317: Swinging Heart and Malignant Pericardial Effusion as Initial Presentation of Lung Cancer

Authors: Jae Kim; Vipul Madhwani; Preetham Kumar

Entity: MedStar Washington Hospital Center/MedStar Georgetown University Hospital

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Poster 318: A Rare Case of Bilateral Breast Lobular Carcinoma Coexisting With Primary Follicular Lymphoma of Breast

Authors: Nooshin Mirkheshti; Mahsa Mohebtash

Entity: Georgetown University

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Poster 319: Stroke as the Initial Presentation of Metastatic Breast Cancer in a Young Female

Authors: Maithreyi Sarma; Muhamad Alhaj Moustafa

Entity: MedStar Washington Hospital Center

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Poster 320: A Rare Case of Castleman Disease Associated with Hodgkin Lymphoma and Autoimmune Hemolytic Anemia

Authors: Anusha Vakiti; Christin DeStefano; Vera Malkovska; Jayashree Krishnan

Entity: MedStar Washington Hospital Center

Contact: anusha.vakiti@medstar.net

Poster 321: When Is Stroke Not Just a Stroke?

Authors: Muharrem Yunce; Nargiz Mukanlinskaya; Erkan Ozturk; Stephen Selinger

Entity: MedStar Franklin Square Medical Center

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Poster 322: Epithelioid Angiosarcoma at an Arteriovenous Graft Site in an Immunocompetent Host

Authors: Michele Zerah; Min Ho Cho; Helena Pasieka; Elizabeth Dugan

Entity: MedStar Washington Hospital Center

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 **Orthopaedics/Sports Medicine**

Poster 323: Trends in Concussion Incidence in High School Sports, 2008-09 to 2015-16

Summary: During the 2008-09 to 2015-16 academic years, cheerleading experienced the highest number of concussions, and soccer had the highest incidence rate among girls' sports, while football had the highest incidence of concussion among boys' sports.

Authors: Andrew Lincoln; John Reynolds; Shane Caswell; Reginald Dunn; Lisa Hepburn

Entity: MedStar Health Research Institute

Contact: kezia.alexander@medstar.net

Poster 324: Evaluation of a Lacrosse ACL Injury Prevention Program

Summary: Neuromuscular-based warm-up programs have been shown to be effective at reducing risk of lower-extremity injury, but more research is needed on program implementation from the perspective of the program instructor.

Authors: Kelly Comolli; Andrew Lincoln; Lisa Hepburn; Justin Cooper; Carissa Colangelo; Bruce Griffin

Entity: MedStar Health Research Institute

Contact: kezia.alexander@medstar.net

Poster 325: Incidence of Missed Diagnosis of Posterior Root Lateral Meniscus Tears on Preoperative Knee MRI

Summary: A majority of posterior root lateral meniscus tears are not detected on preoperative MRI. These injuries commonly occur with ACL tears and can lead to inferior results if untreated. A high index of suspicion should exist regarding these injuries.

Authors: James Dreese; Molly Tatum

Entity: MedStar Union Memorial Hospital

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Poster 326: Light-Activated Monomer Intramedullary Implant for Metastatic Disease of the Humerus: A Case Series

Summary: The authors present their institutional experience with a novel, radiolucent intramedullary-conforming implant for completed and impending pathologic fractures of the humerus in the setting of metastatic disease to bone.

Authors: Matthew Wallace; Albert Aboulaflia; Alycia VanHorn; Frank Frassica

Entity: MedStar Franklin Square Medical Center

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Poster 327: An Impaired Antimicrobial Function of Mesenchymal Stem Cells in Diabetic Patients

Summary: The study investigated the antibacterial function of bone marrow mesenchymal stem cells isolated from diabetic patients and found that they have reduced functions in suppression of bacterium growth and regulation of macrophages.

Author: Zijun Zhang

Entity: MedStar Union Memorial Hospital

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Poster 328: The Expression of Estrogen Receptor, Advanced Glycation End Products, and Their Receptor in Tendinopathy

Summary: This study found increased expression of estrogen receptor and advanced glycation end products in the tendinopathic tendons.

Author: Zijun Zhang

Entity: MedStar Union Memorial Hospital

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Poster 329: Biomechanical Analysis of Superior Capsular Reconstruction

Summary: The study purpose was to assess the effects of superior capsular reconstruction (SCR) on glenohumeral and subacromial pressures, hypothesizing that the SCR would improve biomechanics.

Authors: Mario Lobao; Brent Parks; Roshan Melvani; Anand Murthi

Entity: MedStar Union Memorial Hospital

Contact: mario.mhlobao@gmail.com

Poster 330: The Effect of Weight-Bearing vs. Supine A/P Pelvis Radiographs When Considering Hip Surgery in an Active Adult Patient

Summary: We compare weight-bearing and supine AP pelvis X-rays to determine if there is a difference in joint space narrowing. Our goal is to determine a standard radiograph protocol for active patients with hip pain, which would consequently affect treatment.

Authors: Vishal Mehta; Blake Bodendorfer; Casey Fisher; Kenneth Tepper

Entity: MedStar Union Memorial Hospital

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Poster 331: Long-Term Patency of the Recipient Artery Following End-to-Side Arterial Anastomosis for Microvascular Free Tissue Transfer

Summary: End-to-side microvascular arterial anastomosis to noncritical vessels maintains a very high long-term recipient vessel patency rate.

Authors: Megan Miles; Matthew Treiser; Ryan Katz; James Higgins

Entity: MedStar Union Memorial Hospital/Curtis National Hand Center

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Poster 332: The Effect of Scaphoid Overstuffing on Radiocarpal Contact Pressures

Summary: Restoration of normal carpal kinematics with scaphoid overstuffing has been utilized for treatment of scaphoid nonunion. Learning the effects of this technique on carpal kinetics is important for counseling young patients who often suffer this injury and seek repair.

Authors: Charles Tuggle; Keith Aziz; Aviram Giladi; James Higgins

Entity: MedStar Union Memorial Hospital

Contact: charles.tuggle@aya.yale.edu

Poster 333: Increased Opioid Consumption in Diabetics With Operative Ankle Fractures

Summary: A retrospective analysis of pre- and postoperative opioid prescriptions among patients with ankle fractures found an increase in opioid requirements among diabetics.

Authors: David Weiner; Jordan Murphy; Chukwuweike Gwam; Galvin Loughran; Christian Vulpis; David Milzman; Jacob Wisbeck

Entity: MedStar Union Memorial Hospital

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Poster 334: Early Outcomes of Obese Patients Undergoing Total Hip Arthroplasty: Comparison of Anterior to Posterior Approach

Summary: Surgical complication rates are known to be higher in this patient population, and guidelines are being considered as a way to determine which patients are acceptable candidates for surgical intervention. There are few studies that provide data on the actual complication rates for total hip replacement surgery in obese patients.

Authors: William Zelenty; Mark Zawadsky

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Case Reports

Poster 335: Cobb Syndrome: A Case Report With Review of Clinical and Imaging Findings

Authors: Mehrnaz Ighani; Katherine Butler; Albert Aboulafia

Entity: MedStar Franklin Square Medical Center

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Poster 336: A Case of Sacroiliitis in Sarcoidosis

Author: Astha Joshi

Entity: MedStar Harbor Hospital

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About MedStar Health Research Institute

MedStar Health Research Institute provides scientific, administrative, and regulatory support for research programs conducted across the MedStar Health system. Situated at the crossroads of academics and real-world healthcare environments, the Research Institute creates new knowledge that provides the latest advances for patients at nearly 300 sites of care in the region.

Located in one of the most culturally diverse regions of the United States, the Research Institute serves as a national resource for researchers and policymakers concerned about the Health Care of racial and ethnic minority populations. As an academic health system, MedStar Health investigators connect the community to MedStar Health medical facilities, to our academic partners at Georgetown University, and to residents and fellows through extensive graduate medical education programs.

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About Academic Affairs at MedStar Health

MedStar Health Academic Affairs has one of the largest and most robust graduate and continuing medical education programs in the country. Our system GME programs train more than 1,100 medical residents and fellows annually, in 90 residency and fellowship programs offered throughout our hospitals. In addition to ACGME-accredited programs, we also sponsor accredited GME programs in such specialties as Oral and Maxillofacial Surgery, Podiatry Surgery, Orthodontics, Maternal-Fetal Medicine, and more.

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