PODIUM PRESENTATION SESSIONS
All sessions run concurrently starting at 2:15 pm

SESSION A .............................. Room 1345 HSCL
Facilitator: Tracy Downs, MD
Anesthetic Management of Patients Presenting for Surgical Management of Substernal Goiters
Khalid Khayr
Implementation of Electronic ED Sepsis Screen and Alert: Effect on Compliance with Proposed Sepsis Quality Measures
Cassandra Schandel
Resident Readiness: Evaluation Of Errors During Complex Bladder Catheterizations
Bridget O’Connell-Long
Rib Fracture Number Thresholds Independently Predict Worse Outcomes in Older Adults
Nikita Shulzenko
Comparative Outcomes Among Surgical and Ablative Treatments for Small Localized Renal Cell Carcinoma
Tyler Wittmann

SESSION B .............................. Room 1306 HSCL
Facilitator: Elizabeth Petty, MD
Transcriptionally-mediated Effects of Ionizing Radiation on Immune Susceptibility in Murine Melanoma
Maureen Riegert
Socioeconomic Status Affects Outcome of Traumatic Brain Injury
Kaitlyn McQuistion
Evaluating the Effect of the Reach Out and Read Program on Clinic Values, Attitudes, and Knowledge
Heather Smaby
Crossover: A Study of Frontal Plane Kinematics in Elite Runners
Anthony Bui
Not Just Little Adults: A Literature Review on Limited English Proficient Pediatric Encounters
Alissa Small

SESSION C .............................. Room 1335 HSCL
Facilitator: Susan Thibeault, PhD
Location, Location, Location...Site of Rib Fracture Predicts Outcomes in Trauma Patients
Edwarda DeSouza
Liver Surface Nodularity Measurement at Computed Tomography (CT) for Predicting Degree of Hepatic Fibrosis
Kyle Malecki
Standardizing the Delivery of 20μL during Patch Testing
Annika Selvick

SESSION D .............................. Room 1325 HSCL
Facilitator: Patrick McBride, MD, MPH
The Neurologic Spyglass: Using fMRI to Predict Outcomes in Brain Tumor Patients
Matthieu Mayer
Regulation of Chondrogenic Differentiation of Mesenchymal Stem Cells (MSC) and Cartilage Homeostasis by LCN2
Anatoliy Nechyporenko
Assessment of Cerebrovascular Disease Changes in Alzheimer’s Disease Patients
Jacob Zadra
Is Compliance with American Thyroid Association Guidelines for Total Thyroidectomy in Graves’ Disease Necessary?
Siddique Akram
Apicidin Inhibits Major Vascular Smooth Muscle Cell Pathogenic Phenotypes
Christopher Little
Functional Recovery Following Analgesic Femoral vs. Adductor Canal Block for ACL Reconstruction
Natalie Taylor

SESSION E .............................. Room 1309 HSCL
Facilitator: Pamela Kling, MD
Clinical and MDCT Findings for Predicting the Need for Surgical Intervention in Small Bowel Obstruction
Andrew Scrima
Effect of Perioperative Fluid Class, Volume, and Timing on Incidence of Post-operative Ileus
Matthew VandeHei
Learning to Practice: Identifying Deficits in Pediatric Resuscitation Education in the Community
Max Rusek
mTOR1/2 Inhibition as a Treatment Strategy for Subtypes of Colon Cancer
Stephanie Fricke
Prescription Opioid Abuse Behaviors: Exploitation of System Weaknesses
Gabrielle Waclawik

Abstracts are posted at http://med.wisc.edu/student-research
POSTER PRESENTATION SESSIONS
Noon - 1:00 pm and 3:30 - 5:00 pm Numbers correspond to display boards in the HSLC Atrium

1. Surgery Intern Preparatory
   Curriculum: A Step-Up Approach to Decrease Anxiety and Improve Performance?
   Zachary Ahola

2. Growing a Relationship Between Northeast Clinic and Lake View Elementary: Collaborating on Food Insecurity
   Erik Anderson

3. Subretinal Injection of Kir7.1 shRNA Reduces Retinal Responses in Mouse Model of Leber Congenital Amaurosis (LCA16)
   Bryce Aul

4. The Impact of a Flexible Care Area on Patient Experience
   Matthew Bauer

5. Block of ROMK, the Putative Mitochondrial KATP Pore, Increases Infarct Size in Mice
   Taylor Boland

6. Community Health Education and Referral System Assessment With Share the Health Free Gynecology Clinic
   Kristin Brown

7. Outcomes of Pediatric Supracondylar Humerus Fractures in Community
   Jason Browne

8. Predictors of Childhood Anemia and Malnutrition in Imo State, Nigeria
   Sean Buck

9. 17q21 Variation is Associated With Decreased Levels of GSDMB and ORMDL3
   Alex Burford

10. Use of a Wire-Guided Exchange Kit to Place Double Lumen Endotracheal Tubes for Lung Isolation
    Ryan Check

11. Establishing Learning Curves for a Simulated Surgical Task Using V-PITS
    Adriana Chou

12. Current Use of Telemedicine for Post-Discharge Surgical Care: A Systematic Review
    Skyler Chounard

13. Quantitative Evaluation of the Ellipsoid Zone in Eyes With Retinal Vein Occlusion: A SCORE2 Ancillary Study
    Preshita Date

14. Increasing Extent of Treatment For Differentiated Thyroid Cancers
    Jason Davies

15. Next-Gen Sequencing of Steroid Hormone Receptor Biomarkers in Patients With ER+ MBC Treated With Endocrine Therapy
    Michael DeGrave

16. Improved Surgeon First Case On Time Starts Enhance Operating Room Efficiency and Cost Savings
    Alexandra J. Douglas

17. How Do Patients, Physicians, Staff Identify Their Patient Care Team?
    Tyler Etheridge

    Shara Feld

19. External Surrogates for Liver Tumor Motion During Radiation Therapy
    Shannon J. Gallagher

20. Effects of Isoflurane on Descending Connections in Cortex
    Benjamin F Giertych

21. Novel HDAC Inhibitor AB3 Regulates NF-kB and Notch Signaling in Medullary Thyroid Cancer Cell Lines
    Sean Golden

22. The Impact of Emergency Department Census on the Decision to Admit
    Jillian Gorski

23. Screening for Iron Deficiency (ID) and Iron Deficiency Anemia (IDA), More Than a Hematological Disease
    Barbara Ha

24. Neurocognitive Performance and Increased Risk of Lower Extremity Musculoskeletal Injury After Concussion
    Kevin Hanneken

25. Use of the Health Belief Model to Study Patient Perceptions of Antimicrobial Stewardship in the Acute Care Setting
    Cydney Heid

26. Hepatocyte Growth Factor and Other Mitogens Role in FoxM1 Gene Expression
    Scott Hetzel

27. Survey of Physician Attitudes as a Barrier to Opioid Prescription
    Lauren Hintz

28. Implementation of a Hand Hygiene Improvement Campaign in a Non-Referral Hospital in Rural Rwanda
    Ian Holmen

29. Improving Adherence to Clinical Practice Guidelines in a Low-Resource Primary Care Setting in Kenya
    Katharine Kelly

30. HIV Stigma and Continuity of Care After Release From Prison: Qualitative Findings of the Wisconsin Transitions Study
    Rebecca Kemnitz

31. Identification of Predictors of Post-Operative Complications in Renal Cell Carcinoma Thermoablation Patients
    Saira Khanna

32. Percutaneous MW Ablation of 100 T1a Renal Cell Carcinoma: Tumor Complexity and Technique Effect on Complication Rate
    Marki Klapperich

33. Examination of White Matter Tract Abnormalities in Pediatric PTSD
    Nathaniel J. Kohlenberg

34. The Impact of Previous Ankle Injury on the Health of Young Athletes
    Craig Laufenberg

35. 3D Printed Polymer Bone Fidelity Experiment
    Ross Laurent

36. Effectiveness of Hexaminolevulinate Fluorescence Cystoscopy for the Diagnosis of NMIBC in Daily Clinical Practice
    Christopher Laylan

37. The Effect of Topical JAG1, a Notch Activator, on Wound Closure Rates in Diabetic Mice
    Kayla E. Leibl

38. Study and Production of Procedural Videos For Neurosurgical GME Quality Improvement
    Jake Lescher

39. The Effect of Methotrexate on Sperm Quality in Men With Inflammatory Bowel Disease
    Dana Ley

40. Complications of Baclofen Pumps in Scoliosis Surgery for Cerebral Palsy Patients
    Laura Lins

41. Integration of Conventional Medicine and Traditional Medicine in Hmong Communities of Vietnam and China
    Chee Lor

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42. Building Relationships With African American Patients: A Qualitative Evaluation of Clinician Behaviors
   Jeffrey Mahlum

43. Obese Patients Have Increased Risk of Surgical Site Infections But Not Major Complications Following Renal Surgery
   Michael A. Mann

44. Evaluating the Quality of Care Transitions Following Outpatient Surgery
   Mark McCabe

45. Resource Navigator Pilot Program-Evaluation Development
   Julia McPherson

46. Sustaining and Expanding Directly Observed Therapy For LTBI at Community Clinics in Milwaukee
   Lawrence Moore

47. Reduced WM Integrity in Acute Stroke Patients With Language Deficits: A Tract-Based Spatial Statistics Study
   Pouria Mossahebi

48. Household Food Insecurity and Dietary Intake Among Rural and Urban American Indian Families
   Kathryn L. Mosso

49. Inpatient Outcomes and Adequate ED Analgesia in Pediatric Trauma Patients
   Weston Nadherny

50. Using Plasma Prostaglandin E2 Levels to Customize Type 2 Diabetes Therapy
   Randall Nall

51. Generation of an NRL -/- hESC Line for Enrichment of Cone Photoreceptors
   Minh Nguyen

52. Impact of Drain Placement on Infection, Seroma, and Return to OR in Expander-Based Breast Reconstruction
   Caleb Ollech

   Emily Olson

54. 4D Flow MRI During Hypercapnia Identifies Cerebrovascular Dysfunction in Young Adults With Metabolic Syndrome
   Aaron Owen

55. Effects of Pre-operative Opioid Use on Post-operative Patient Health Outcomes After Spinal Surgeries
   Paul Panasiuk and Yusi He

56. Assessment of a Newborn Care Training Program for Community Health Workers in Two Rural Districts in Uganda
   Priya Pathak and Devin Walsh-Felz

57. Opioid Use in Chronic Non-Cancer Pain Management
   Courtney Pokrzywa

58. Vancomycin Use in the Emergency Department: A Questionable Target for Improved Antibiotic Stewardship
   Kestrel Reopelle

59. Sport Specialized Training Prevalence and the Risk of Injury in Young Athletes
   Jeremy Riekena

60. Awake Versus Asleep MRI Guided STN DBS for Parkinson Disease: A Comparison of Outcomes Using Levodopa Equivalents
   Sara Saleh

61. Primary Hyperparathyroidism: A Case Study
   Nathaniel Schwartz

62. Predictors of Significant Weight Loss Following Bariatric Surgery: A Propensity Score Analysis
   Neil Shah

63. Perioperative Management of Patients With SMA Presenting for Nissen Fundoplication: A Retrospective Chart Review
   Andrew Steinfeldt

64. Unwanted Variations in Specialty Clinic Rooming: A Time Study Tool and Analysis
   Brad Stroik

65. Can Children’s Books Serve as Viral Fomites?
   Terra Thimm

66. Race and Ethnicity Disparities in Pediatric Crashes in Wisconsin, 2009-2013
   Lily Thompson

67. Qualitative Aspects of Treatment With Prolotherapy for Knee Osteoarthritis in a Multi-Method Study
   Laura A Van Leuven

68. Determining Factors Influencing Hmong China/Vietnam Healthcare Decisions
   Chinou Vang

69. Impact of an Electronic Sepsis Screening and Alert on Antibiotic Prescribing in the Emergency Department (ED)
   Iris Vuong

70. An Evaluation of Cookstove Improvements in Rural Guatemala
   Jordan Wackett

71. Validation of an Instrument to Assess Barriers to Care Seeking for Accidental Bowel Leakage
   Danielle Westenberg

72. Increasing WI HPV Vaccination Uptake With Use of an Environmental Scan
   Mercedes Williams

73. Multi Model Comparison of Aortic Dissection Hemodynamics
   Jon Wrobel

74. Clinics and Pharmacies Use Wisconsin Immunization Registry (WIR) to Increase Vaccination Rates
   Zeeshan Yacoob

75. Outcomes That Matter to Teens With Type 1 Diabetes
   Clara Ye

76. The Role of Iliopsoas Tendon Anatomy in Determining Efficacy of Surgical Release for Central Iliopsoas Impingement
   Tony Yu

77. Factors Affecting Family Presence and Satisfaction During Fracture Reduction in the Pediatric ED
   Albert Zhang

78. Evaluation of FDG PET as a Predictor of Osteosarcoma Response and Prognosis
   Yi Zhang

79. Differential Expression of Adipokines as a Function of Aging and Focal Cerebral Ischemia
   Lin Zhao

80. The Effect of Fish Oil Therapy on Serum Lipid Levels in the Pediatric Population
   Sarah Zoutendam

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