



Western Medical Research Conference  
January 18-20, 2024  
Carmel, California

Western Section American Federation for Medical  
Research  
Western Society for Clinical Investigation  
Western Association of Physicians  
Western Society for Pediatric Research  
Western Student and Resident Medical Research Forum

**2024 Western Medical Research Conference  
January 18-20, 2024**

<b>TIME</b>	<b>ACTIVITY &amp; LOCATION</b>
	<b>THURSDAY, JANUARY 18, 2024</b>
<b>8:00 am – 5:00 pm</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>8:00 am – 5:00 pm</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>
<b>9:30 am – 12:00 pm</b>	<b>WSPR Council Meeting</b> <i>Sunset Center – Chapman</i>
<b>10:00 am – 11:45 am</b>	<b>WAP-WSCI Plenary</b> <i>Carmel Women’s Club</i>  <b>WAP-WSCI Mayo Soley Award</b> <i>Laurie DeLeve, Keck School of Medicine, University of Southern California</i>  <b>WAP-WSCI Outstanding Investigator Award</b> Precision medicine in sepsis-associated acute kidney injury <i>Pavan Bhatraju, University of Washington</i>  <b>WAP-WSCI Distinguished Lectureship</b> Brain control of glucose homeostasis: implications for diabetes pathogenesis and treatment <i>Michael W. Schwartz, University of Washington</i>  <b>WAP-WSCI Business Meeting</b>
<b>11:45 am – 12:45 pm</b>	<b>Food Truck in Sunset Center Parking Lot</b>
<b>11:45 am – 12:45 pm</b>	<b>Investigator Workshop</b> <b>How to Publish: Tips from the Editor</b> <i>(Fellows, Trainees, and Jr. Faculty)</i> <b>Lunch available at food truck</b>  <b>Michael McPhaul</b> <i>Editor, Journal of Investigative Medicine - High Impact Case Reports</i> <i>Sunset Center – Green Room</i>
<b>12:45 pm – 3:00 pm</b>	<b>Concurrent Sessions</b> <b>Sunset Center</b> Adolescent Medicine and General Pediatrics I – <i>Room 5</i> Cardiovascular I – <i>Promenade Lobby</i> Endocrinology and Metabolism I – <i>Carmel Women’s Club</i> Healthcare Delivery Research I: Community Health Projects – <i>Babcock #6</i>

	<p>Immunology and Rheumatology I – <i>Chapman #4</i>  Infectious Diseases I – <i>Conductor’s Room</i>  Neonatology – General I – <i>Studio 105</i>  Neonatology – Pulmonary I – <i>Rehearsal Room</i>  Surgery I: Orthopedics – <i>Green Room</i></p>
<b>3:00 pm – 3:15 pm</b>	<b>BREAK</b>
<b>3:15 pm – 5:45 pm</b>	<p><b>Concurrent Sessions</b>  <b>Sunset Center</b></p> <p>Cardiovascular II – <i>Promenade Lobby</i>  Diversity, Equity, Inclusion, Research I – <i>Conductor’s Room</i>  Healthcare Delivery Research II – <i>Room 5</i>  Hematology and Oncology I – <i>Green Room</i>  Neonatology – General II – <i>Babcock #6</i>  Neonatology – Pulmonary II – <i>Rehearsal Room</i>  Neuroscience I – <i>Chapman #4</i>  Pulmonary and Critical Care I – <i>Studio 105</i>  Surgery II: Plastic Surgery – <i>Carmel Women’s Club</i></p>
<b>6:00 pm – 7:00 pm</b>	<p><b>Welcome Reception and Poster Session</b>  <i>Jointly sponsored by</i>  <b>WAFMR, WAP, WSCI, WSMRF, and WSPR</b>  <b>Odd numbered posters present from 6:00-6:30 pm</b>  <b>Even numbered posters present from 6:30-7:00 pm</b>  <i>All welcome and encouraged to attend</i>  <b>Posters 1-80</b>  <b>All Saints Church, Seccombe Hall</b>  <b>Ninth Avenue &amp; Dolores St.</b></p> <p>Adolescent Medicine and General Pediatrics – 1-7  Behavior, Development, and Child Psychology – 8-15  Cardiology – 16-27  Diversity, Equity, Inclusion Research – 28-32  Genetics – 33-39  Hematology and Oncology – 40-42  Infectious Diseases – 43-52  Morphogenesis and Malformations – 53-54  Neonatology General – 55-75  Neonatology – Perinatal Biology -76  Neuroscience – 77-79  Pulmonary &amp; Critical Care Adult – 80  <b>Posters 82-152</b>  <b>Sunset Center, Carpenter Hall</b>  Healthcare Delivery Research – 81-124  Surgery – 125- 152</p>
<b>7:00 pm – 9:00 pm</b>	<p><b>WSPR Abbott Nutrition Reception</b>  Open to all WSPR members, trainees, and guests  <i>7th &amp; Dolores Steakhouse</i></p>

<b>8:30 pm – 10:00 pm</b>	<b>WSPR Council Dinner</b> <i>(by invitation only)</i> <i>Portabella Restaurant</i>
	<b>FRIDAY, JANUARY 19, 2024</b>
<b>7:30 am – 5:00 pm</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>
<b>7:30 am – 5:00 pm</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>8:00 am – 10:00 am</b>	<b>Concurrent Sessions</b> <b><i>Sunset Center</i></b> Adolescent Medicine and General Pediatrics II – <i>Studio 105</i> Cardiovascular III – <i>Promenade Lobby</i> Case Reports I – <i>Carpenter Hall</i> Endocrinology and Metabolism II – <i>Carmel Women’s Club</i> Gastroenterology – <i>Babcock #6</i> Genetics I – <i>Rehearsal Room</i> Neonatology – General III – <i>All Saints Church, Seccombe Hall</i> Neonatology – Perinatal Biology I – <i>Chapman #4</i> Surgery III – <i>Room 5, Sunset Center</i> Translational Science - <i>Conductor’s Room</i>
<b>10:00 am – 10:15 am</b>	<b>BREAK</b>
<b>10:15 am – 12:30 pm</b>	<b>Concurrent Sessions</b> <b><i>Sunset Center</i></b> Behavior, Development and Psychology I – <i>Chapman #4</i> Diversity, Equity, Inclusion Research II – <i>Promenade Lobby</i> Healthcare Delivery Research III – <i>Babcock #6</i> Hematology and Oncology II – <i>Carpenter Hall</i> Infectious Diseases II – <i>Carmel Women’s Club</i> Morphogenesis and Malformations – <i>Rehearsal Room</i> Neonatology – General IV – <i>All Saints Church, Seccombe Hall</i> Neonatology Perinatal Biology II – <i>Conductor’s Room</i> Nephrology and Hypertension – <i>Green Room</i> Neuroscience II – <i>Studio 105</i> Surgery IV – <i>Room 5, Sunset Center</i>
<b>12:00 pm – 1:30 pm</b>	<b>Lunch available on-site for nominal charge</b> Food Truck in Sunset Center Parking Lot
<b>12:30 pm – 1:30 pm</b>	<b>Investigator Workshop on Mentoring</b> <i>Sunset Center – Green Room</i> <b>Barley to Brains: Lessons Learned on my Path Towards Independence</b> <i>Sidharth Mahapatra, Children’s Hospital &amp; Medical Center / The University of Nebraska Medical Center</i> <i>(This talk is aimed at Jr. faculty and fellows. Students and trainees welcome to attend)</i> <b>Lunch available at food truck</b>

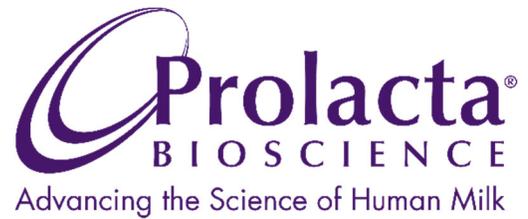
<b>1:00 pm – 1:30 pm</b>	<b>Coffee and Dessert Buffet</b> <i>Carmel Women's Club</i>
<b>1:30 pm – 4:15 pm</b>	<b>Joint Plenary Session</b> <i>Carmel Women's Club</i> <b>WAFMR, WAP, WSCI, WSMRF, WSPR</b> Edwin E. Osgood Awardee WAFMR Outstanding Investigator Award WSPR Abbott Nutrition Lowell Glasgow Student Research Award WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award WSPR Abbott Nutrition Young Investigator Research Award WSPR Stanley Wright Lecture WSPR Presidential Lecture WSPR St. Geme Educator Award
<b>4:15 pm – 5:00 pm</b>	<b>WSPR Business Meeting</b> <i>Nicole Tartaglia and Shanlee Davis, Presiding</i> <b>All WSPR members invited</b> <i>Carmel Women's Club</i>
<b>4:15 pm – 5:15 pm</b>	<b>WAFMR Welcome Reception</b> <b>Open to All</b> <i>David A. Stevenson, Presiding</i> <i>Sunset Center – Chapman Room</i>
<b>5:15 pm – 6:15 pm</b>	<b>David Rimoin Lectureship</b> <i>Sunset Center – Carpenter Hall</i> <b>Therapeutic advances in developmental encephalopathies: Rett and CDKL5 disorders</b> <i>Tim Benke, University of Colorado Denver</i>
<b>6:00 pm – 8:30 pm</b>	<b>WAP-WSCI Council Meeting</b> <i>(by invitation only)</i> <i>Cantinetta Luca</i>
<b>6:00 pm – 8:00 pm</b>	<b>Western Perinatal Club</b> <i>Carmel Women's Club</i> <i>Sponsored by Reckitt/Mead Johnson Nutrition</i> <b>Strategies to optimize placental transfusion in babies that need it the most</b> <i>Anup Katheria, Sharp Mary Birch Hospital / UCSD</i> <i>Open to all WSPR, AAP, and CAN Members and Guests</i> <b>Western Perinatal Club Briefing</b>
<b>6:15 pm – 7:15 pm</b>	<b>Dysmorphology Club</b> <i>Supported by Abbott Nutrition</i> <i>Sunset Center – Carpenter Hall</i>
<b>SATURDAY, JANUARY 20, 2024</b>	
<b>7:30 am – 10:00 am</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>7:30 am – 10:00 am</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>

<b>8:00 am – 10:00 am</b>	<p style="text-align: center;"><b>Concurrent Sessions</b> <i>Sunset Center</i></p> <p>Case Reports II – <i>Chapman #4</i>  Congenital Heart Disease – <i>Conductor’s Room</i>  Diversity, Equity and Inclusion, Research III – <i>Room 5</i>  Endocrinology and Metabolism III – <i>Green Room</i>  Genetics II – <i>Rehearsal Room</i>  Healthcare Delivery Research IV: Medical Education – <i>Babcock #6</i>  Neonatology – General V – <i>Carpenter Hall</i>  Neonatology – Perinatal Biology III – <i>Studio 105</i>  Pulmonary and Critical Care II – <i>Promenade Lobby</i></p>
<b>10:00 am – 10:15 am</b>	<p style="text-align: center;"><b>BREAK</b></p>
<b>10:15 am – 12:00 pm</b>	<p style="text-align: center;"><b>Concurrent Sessions</b> <i>Sunset Center</i></p> <p>Behavior, Development and Psychology II – <i>Promenade Lobby</i>  Genetics III – <i>Rehearsal Room</i>  Healthcare Delivery Research V: Quality Improvement – <i>Babcock #6</i>  Hematology and Oncology III – <i>Green Room</i>  Immunology and Rheumatology II – <i>Room 5</i>  Neonatology – General VI – <i>Carpenter Hall</i>  Neonatology – Pulmonary III – <i>Conductor’s Room</i>  Neuroscience III – <i>Studio 105</i></p>
<b>12:15 pm – 2:00 pm</b>	<p style="text-align: center;"><b>Society Officers Planning Meeting</b> <i>(by invitation only)</i> <i>Sunset Center – Chapman #4</i></p>



## Acknowledgements

We would like to thank the following companies for their generous support:





## **Western Medical Research Conference**

**Save the Date:  
2025 WMRC**

**January 16-18, 2025**

## CME CERTIFICATION

This Live activity, 2024 Western Medical Research Conference, with a beginning date of January 18, 2024, is accredited for **18.0** Prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**AMA/AAFP Equivalency:** AAFP Prescribed credit is accepted by the American Medical Association as equivalent to *AMA PRA Category 1 credit(s)*<sup>TM</sup> toward the AMA Physician's Recognition Award. When applying for the AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

**An Electronic Credit Request/Evaluation Survey Will Be Emailed To You After The Program.** This electronic survey will allow you to provide your evaluation of this educational activity in addition to requesting AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

You will receive the link and instructions in your **Email Inbox on Wednesday, January 24, 2024**. If you do not receive your link to the evaluation in your email inbox, please contact us at [admin@afmr.org](mailto:admin@afmr.org). Original certificates for this conference may be claimed until **February 29, 2024**. Duplicate certificates are available at any time

## INVITED SPEAKERS

**Thursday, January 18, 2024**

### **WAP/WSCI Plenary Session**

#### **WAP-WSCI Mayo Soley Award**

**Presenter:** *Lily Dara, MD, Keck School of Medicine, University of Southern California*

**Recipient:** *Laurie DeLeve, Keck School of Medicine, University of Southern California*

**10:00-10:15 AM**

*Carmel Women's Club*

#### **WAP-WSCI Outstanding Investigator Award**

Precision medicine in sepsis-associated acute kidney injury

*Pavan Bhatraju, University of Washington*

**10:15-11:00 AM**

*Carmel Women's Club*

#### **WAP-WSCI Distinguished Lectureship**

Brain control of glucose homeostasis: implications for diabetes pathogenesis and treatment

*Michael W. Schwartz, University of Washington*

**11:00-11:45 AM**

*Carmel Women's Club*

#### **Investigator Workshop: How to Publish: Tips from the Editor**

*Michael McPhaul, Editor, Journal of Investigative Medicine - High Impact Case Reports*

**11:45-12:45 pm**

*Green Room, Sunset Center*

#### **Immunology and Rheumatology I**

Sputum biomarkers in the pathogenesis of rheumatoid arthritis

*State of the Art Speaker: Kristen Demoruelle, University of Colorado School of Medicine*

**12:45 PM-1:15 PM**

*Chapman #4, Sunset Center*

#### **Neonatology Pulmonary I**

Early life – A window of susceptibility OR a window of opportunity?

*Chiesi State-of-the-Art Speaker: Hitesh Deshmukh, Cincinnati Children's*

**1:30 PM-2:00 PM**

*Rehearsal Room, Sunset Center*

#### **Neonatology Pulmonary II**

Translating Natural History of CHD into Pulmonary Vascular Pathobiology and Therapeutic Targets

*University of Utah Kurt H. Albertine State-of-the-Art Lecture: Jeffrey Fineman, University of California San Francisco*

**3:15 PM-3:45 PM**

*Rehearsal Room, Sunset Center*

#### **Neonatology General II**

Antibiotic Stewardship in the NICU: Revisiting familiar practices in infection management

*Philip Sunshine State-of-the-Art Speaker: Sagori Mukhopadhyay, Children's Hospital of Philadelphia*

**4:15 PM-4:45 PM**

*Babcock #6, Sunset Center*

## Friday, January 19, 2024

### Neonatology General III

Conflicting priorities of neonatal immunity and developmental biology

*Vedang Londhe State-of-the-Art Speaker: Lawrence Prince, Lucile Packard Children's Hospital Stanford*

**8:30 AM-9:00 AM**

*All Saints Church, Seccombe Hall*

### Adolescent Medicine and General Pediatrics II

Transition to Adult Care

*Prolacta Biomedical State-of-the-Art Lecture Michael Hughes Stanford University*

**9:30 AM-10:00 AM**

*Studio 105, Sunset Center*

### Neonatology - Perinatal Biology I

Genes modulating the risk for perinatal hypoxic-ischemic encephalopathy

*Fred Battaglia State-of-the-Art Speaker: Raul Chavez-Valdez Johns Hopkins University*

**9:30 AM-10:00 AM**

*Chapman #4, Sunset Center*

### Morphogenesis and Malformations

Advances in Treatment of Fragile X syndrome and FXTAS

*State-of-the-Art Speaker: Randi Hagerman University of California Davis*

**10:15 AM-10:45 AM**

*Rehearsal Room, Sunset Center*

### Neonatology General IV

Resuscitation: The What, The Where, and The How

*Joan Hodgman State-of-the-Art Speaker: Sara Handley The Children's Hospital of Philadelphia*

**10:45 AM-11:15 AM**

*All Saints Church, Seccombe Hall*

### Behavior, Development and Psychology I

Outcome Measures for Treatment Studies in Neurodevelopmental Disorders: Where the Rubber Meets the Road

*Robin Hansen State-of-the-Art Speaker: David Hessl University of California Davis*

**11:00 AM-11:30 AM**

*Chapman #4, Sunset Center*

### Investigator Workshop on Mentoring

Barley to Brains: Lessons Learned on my Path Towards Independence

*Sidharth Mahapatra, Children's Hospital & Medical Center / The University of Nebraska Medical Center*

**12:30-1:30 pm**

*Green Room, Sunset Center*

### Joint Plenary Session

#### WAFMR Outstanding Investigator Award

Glycemic control, neighborhood socioeconomic environment and the developing brain

*Shan H. Luo, University of Southern California*

**1:45 PM-2:00 PM**

*Carmel Women's Club*

#### WSPR Abbott Nutrition Young Investigator Research Award

Replacement insulin during IGF-1 infusion increases growth in fetal sheep.

*Jane Stremming, University of Colorado*

**2:30-3:00 PM**

*Carmel Women's Club*

**WSPR Stanley Wright Memorial Lecture**

Using the exposome to develop novel biomarkers for autism spectrum disorder.

*Manish Arora, Mount Sinai School of Medicine*

**3:00-3:30 PM**

*Carmel Women's Club*

**WSPR Presidential Lecture**

The amazing teen brain.

*Jay Giedd, University of California San Diego*

**3:30-4:00 PM**

*Carmel Women's Club*

**WSPR Abbott Nutrition Joseph St. Geme Jr. Education Award**

**Presenter:** *David Stevenson, Stanford University*

**Recipient:** *David Viskochil, University of Utah*

**4:00-4:15 PM**

*Carmel Women's Club*

**David Rimoin Lectureship**

Therapeutic advances in developmental encephalopathies: Rett and CDKL5 disorders

*Tim Benke, University of Colorado Denver*

**5:15-6:15 pm**

*Carpenter Hall, Sunset Center*

**Western Perinatal Club**

Strategies to optimize placental transfusion in babies that need it the most

*Anup Katheria, Sharp Mary Birch Hospital / UCSD*

**6:00-8:00 pm**

*Carmel Women's Club*

**Saturday, January 20, 2024**

**Endocrinology and Metabolism III**

Unique features of type 2 diabetes in youth vs. adults

*State-of-the-Art Speaker: Kristen Nadeau, University of Colorado Denver*

**8:45 AM-9:15 AM**

*Green Room, Sunset Center*

**Neuroscience III**

Innate neuro-immunity as a pathogenic mediator in neurodevelopmental and pediatric neurodegenerative disease.

*State-of-the-Art Speaker: Nicole Coufal, Rady Children's Hospital-San Diego*

**11:30 AM-12:00 PM**

*Studio 105, Sunset Center*

## 2024 Western Medical Research Conference Award Winners



### *Edwin E. Osgood Award*

Alina Ferguson, University of Washington School of Medicine

### *WAFMR Outstanding Investigator Award*

Shan Luo, University of Southern California

### *WAFMR Trainee Research Award*

Pritika Parmar, University of Colorado

Leah Thomas, Loma Linda University

Nozomi Yamashita, Children's Hospital Los Angeles

### *WAFMR/WAP/WSCI Student Subspecialty Award*

Reagan Badger, University of Washington School of Medicine, University of Idaho

Heather Berndt, Western University of Health Sciences

Nicolas Cevallos, University of California San Francisco

Shengying Chen, Loma Linda University

Caleb Hoopes, University of Washington School of Medicine

Verena Lawrence, University of Washington School of Medicine

Justin Lo, University of Washington School of Medicine

Luis Pozo, Northeast Ohio Medical University

Perla Saldivar, University of California, Riverside

Sailesh Wignarajah, University of California Irvine

### *WAFMR/WAP/WSCI Outstanding Resident Award*

Sophia Kim, University of British Columbia

### *WAP/WSCI Travel Award*

Kendra Francis, Seattle Children's Hospital, University of Washington

Tyler Goshia, University of California San Diego, MelioLabs, Inc.

Shamil Jugnundan, University of California San Francisco

Varunya Kattunga, Charles R. Drew University of Medicine and Science

Maria Martes Gomez, Los Angeles General Medical Center/Keck School of Medicine of USC/CHLA

Megan Parfait, Saint Joseph Hospital

Nitya Rajeshuni, Stanford University School of Medicine

Danielle Sharp, Stanford University

Wenxi Tang, University of California San Diego

Alicia White, University of Colorado

***WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award***

Paula Dias Maia, University of Colorado

***WSPR Abbott Nutrition Lowell Glasgow Student Research Award***

Danielle Liu, Loma Linda University

***WSPR Abbott Nutrition Outstanding Resident Research Award***

Aimee Juan, University of Pennsylvania, Stanford University

***WSPR Abbott Nutrition Subspecialty Award***

Cheri Chambers, University of Washington, Seattle Children's Hospital

Emily Dunn, Stanford University

Evan Giusto, University of California, University of California, Davis

Ahmed Moutwakil, University of Colorado

Sofia Pesantez, Stanford University

Crystal Tam, University of Washington, University of Washington

Jingshing Wu, University of California, San Francisco

***WSPR Abbott Nutrition Young Investigator Research Award***

Jane Stremming, University of Colorado

***WSPR Reckitt/Mead Johnson Subspecialty Award***

David Blair, University of California San Francisco, UCSF Benioff Children's Hospital Oakland

Page Calvert, Santa Clara Valley Medical Center

Faith Myers, Stanford Medicine

Andrew Rebentisch, University of Utah

Cadence Seymour, UC San Diego

Desiree Starzyk, University of Colorado School of Medicine

Tasha Wainstein, University of British Columbia, BC Children's Hospital Research Institute

***WSPR Prolacta Bioscience Research Award***

Arjun Anumula, Sharp Mary Birch

Shiyu Bai-Tong, Rady Children's Hospital, University of California, San Diego

Alexandra Carl, Children's Hospital of Colorado

Tessa Gillespie, David Geffen School of Medicine at UCLA

Mihai Puia-Dumitrescu, Seattle Children's Main hospital

Juan Ramos, Stanford University

Frank Strnad, University of Utah

Jakob Van Boerum, University of Utah

Lan Weiss, University of California, Irvine

Sean Wickers, University of California, San Francisco

Lijun Zheng, University of Colorado School of Medicine

**PLENARY  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION**

**Thursday, January 18, 2024  
10:00 AM – 11:45 AM  
*Carmel Women's Club***

*Fred Buckner and W. Conrad Liles, Presiding*

**10:00 WAP/WSCI MAYO SOLEY AWARD**

**Presenter:** *Lily Dara, Keck School of Medicine, University of Southern California*

**Recipient:** *Laurie D. DeLeve, Keck School of Medicine, University of Southern California*

**10:15 WAP/WSCI OUTSTANDING INVESTIGATOR AWARDEE**

**PRECISION MEDICINE IN SEPSIS-ASSOCIATED ACUTE KIDNEY INJURY**

*Pavan Bhatraju, University of Washington*

**11:00 WAP/WSCI DISTINGUISHED LECTURESHIP**

**BRAIN CONTROL OF GLUCOSE HOMEOSTASIS: IMPLICATIONS FOR  
DIABETES PATHOGENESIS AND TREATMENT**

*Michael W. Schwartz, University of Washington*

**11:45 ADJOURN**

**11:45 WAP-WSCI BUSINESS MEETING**

**CONCURRENT SESSIONS**

**Thursday, January 18, 2024  
12:45 PM – 3:00 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Adolescent Medicine and General Pediatrics I .....Room 5, Sunset Center  
Cardiovascular I.....Promenade Lobby  
Endocrinology and Metabolism I.....Carmel Women’s Club  
Healthcare Delivery Research I - Community Health Projects.....Babcock #6  
Immunology and Rheumatology I.....Chapman #4  
Infectious Diseases I.....Conductor’s Room  
Neonatology – General I.....Studio 105  
Neonatology – Pulmonary I.....Rehearsal Room  
Surgery I - Orthopedics .....Green Room**

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**Adolescent Medicine and General Pediatrics I**

Room 5 (Sunset Center)

*Diane E. Stafford, Presiding*

**12:45 IDENTIFYING MOLECULAR PATTERNS IN THE PERIPHERAL IMMUNE  
PROFILE OF PATIENTS WITH PEDIATRIC ACUTE LIVER FAILURE.**

*H Kim, T Fourfouris, S Bangerth, A Barbetta, J Ascher-Bartlett, B Rocque, R Kohli and J  
Emamaullee, Los Angeles, CA; Rochester, NY. Keck School of Medicine of USC  
(WSMRF)*

Abstract 1

**1:00 SEASONALITY TRENDS IN MENTAL-HEALTH RELATED PEDIATRIC  
EMERGENCY DEPARTMENT VISITS DURING COVID-19 IN BRITISH  
COLUMBIA.**

*M Fan, T Black and Q Doan, Vancouver, BC, Canada. University of British Columbia*

Abstract 2

**1:15 SMALL RESCUERS CANNOT GENERATE SUFFICIENT CHEST  
COMPRESSION DEPTH USING CONVENTIONAL CHEST COMPRESSION  
METHODS, BUT THEY CAN GENERATE SUFFICIENT CHEST  
COMPRESSION DEPTH USING ALTERNATIVE CHEST COMPRESSION  
TECHNIQUES.**

*J Sato, K Len, E Tessmer and LG Yamamoto, Honolulu, HI. University of Hawaii John A.  
Burns School of Medicine*

Abstract 3

- 1:30 DOES VITAMIN D SUPPLEMENTATION HAVE PROPHYLACTIC HEALTH BENEFITS AMONG HEALTHY PEDIATRIC PATIENTS? A SYSTEMATIC REVIEW OF RANDOMIZED CONTROLLED TRIALS.**  
*S Law, H Zhang, H Park, K Truong, K Arnott, M Hsu, B Maheta, C Goswami, M Sheffield and F Culler, Elk Grove, CA. California Northstate University College of Medicine*  
Abstract 4
- 1:45 HIDDEN IN PLAIN SIGHT: LEARNING TO RECOGNIZE & RESPOND TO HUMAN TRAFFICKING IN OUR OWN COMMUNITY.**  
*K Garza, S Jackson Ruffin, A Bertoldi, K Colwell and R Kinman, Fresno, CA. Fresno High School*  
Abstract 5
- 2:00 ROLE OF PHYSICAL ACTIVITY IN MODERATING THE RELATIONSHIP BETWEEN CORTISOL LEVELS AND SLEEP QUALITY IN ADOLESCENTS.**  
*E Sankhala, E Tan, B Truong and U Rao, Irvine, CA. University of California, Irvine*  
Abstract 6
- 2:15 ANALYSIS OF 3-DIMENSIONAL STEREOPHOTOGRAMMETRY TO TRACK FACIAL ATROPHY IN PATIENTS WITH PEDIATRIC JUVENILE LOCALIZED SCLERODERMA.**  
*CZ Chambers, S Ringold and H Brandling-Bennett, Seattle, WA. University of Washington Seattle Children's Hospital (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*  
Abstract 7
- 2:30 MATERNAL THROMBOCYTOPENIA PRIOR TO DELIVERY WAS A POOR PREDICTOR OF NEONATAL THROMBOCYTOPENIA IN MOMS REGARDLESS OF MATERNAL PLATELET LEVEL OR MATERNAL ITP STATUS IN A RETROSPECTIVE REVIEW OF 4088 LATE-PRETERM AND TERM DELIVERIES FROM A DE-IDENTIFIED EHR DATABASE SPANNING 11 YEARS AT A TERTIARY ACADEMIC HOSPITAL.**  
*S Wickers and S Bokser, San Francisco, CA. University of California, San Francisco (WSPR Prolacta Bioscience Research Award)*  
Abstract 8
- 2:45 PROMOTING HEALTHY BEHAVIORS AMONG ADOLESCENTS IN UNDER-RESOURCED SCHOOLS THROUGH BUILDING SUCCESSFUL PARTNERSHIPS WITH MEDICAL RESIDENCY PROGRAMS: AN IMPLEMENTATION STUDY IN FOUR US STATES.**  
*L Gefter, A Srivastava, C Jiang, N Morioka-Douglas and E Rodriguez, Stanford, CA. Stanford University*  
Abstract 9

## **Cardiovascular I**

Promenade Lobby (Sunset Center)

*Luisa Mestroni, Presiding*

### **12:45 CHARACTERIZING RIGHT VENTRICLE FUNCTION IN PHYSIOLOGICALLY AGED MALE MICE.**

*CR Hoopes, BD McNair, J Thornburg and DR Bruns, Seattle, WA; Laramie, WY. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 10

### **1:00 OUTCOMES OF BIOPSY NEGATIVE BUT MMDX-POSITIVE BIOPSIES AFTER HEART TRANSPLANT: WHAT DOES THIS MEAN?**

*P Deckerman, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 11

### **1:15 ACTION OF SECRETED FRIZZLED RECEPTOR PROTEIN 1 IN PEDIATRIC DILATED CARDIOMYOPATHY.**

*E Rausch, O Nyarko, B Stauffer, S Miyamoto and C Sucharov, Denver, CO; Aurora, CO. University of Denver University of Colorado Anschutz Medical Campus*

Abstract 12

### **1:30 BODY COMPOSITION AND CARDIOVASCULAR OUTCOMES: FINDINGS FROM THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS.**

*E Weene, R Kronmal, P Srikanthan, M Allison, K Watson and T Horwich, Los Angeles, CA; Seattle, WA; San Diego, CA. UCLA*

Abstract 13

### **1:45 OPTIMIZING SYSTEMIC TO PULMONARY ARTERY SHUNT DIAMETER IN DIGITALLY MODELED PATIENT GROWTH.**

*NR Dion, Y Tu, C Greene, L Bohuta, V Nigam and J del Alamo, Seattle, WA. University of Washington (WSMRF)*

Abstract 14

### **2:00 TRANSIENT RECEPTOR POTENTIAL VANILLOID CHANNEL EXPRESSION IN MALE AND FEMALE MOUSE RESISTANCE-SIZED ARTERIES.**

*S Yeganyan, SM Ahmed, YD Choi and S Bulley, Pomona, CA. Western University of Health Sciences*

Abstract 15

### **2:15 MONOTHERAPY IN HEART TRANSPLANTATION PROVES TO BE SAFE WHILE FOLLOWED BY T-CELL IMMUNE FUNCTION TESTING.**

*E Jeong, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 16

**2:30 DOES CROSSING DSA AND ITS BINDING LEVELS AT THE TIME OF TRANSPLANT LEAD TO POST-OP COMPLICATIONS?**  
*B Ivey, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 17

**2:45 COMPARISON OF THE RATE OF HEART TRANSPLANT REJECTION IN CLINICAL TRIALS VS. REGISTRIES VS. SINGLE CENTER: WHICH IS MORE RELIABLE FOR REAL WORLD EXPERIENCE?**  
*M Ng, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 18

**Endocrinology and Metabolism I**  
Carmel Women's Club  
*Anna Ryabets-Lienhard, Presiding*

**12:45 Moved to 1:45 pm**  
**THE RELATIONSHIP BETWEEN SERUM ALKALINE PHOSPHATASE AND GROWTH VELOCITY IN CHILDREN WITH SHORT STATURE.**  
*Y Pedram, A Hernandez, A Ryabets-Lienhard and P Bakhtiani, Los Angeles, CA. Keck School of Medicine*

Abstract 19

**1:00 CASE SERIES OF IATROGENIC CUSHING'S SYNDROME DUE TO OVER-THE-COUNTER SUPPLEMENT.**  
*R Sharma, C Aranguri, NC TRANG, M Khamlong, M Clarke, S Singh and S Chandramahanti, Bakersfield, CA. Kern Medical Center David Geffen School of Medicine*

Abstract 20

**1:15 COMPARATIVE ANALYSIS OF FETAL FERRET PANCREAS DEVELOPMENT.**  
*R Branscomb, J Engelhardt and L Sussel, Aurora, CO; Iowa City, IA. University of Colorado*

Abstract 21

**1:30 INFLAMMATORY EXPOSURE TO THE ADULT MOUSE PANCREAS AND ISOLATED ISLETS RESULTS IN NFKB ACTIVATION AND CHANGES IN TARGETED GENE EXPRESSION.**  
*A White, M Solar, P Rozance and CJ Wright, Aurora, CO. University of Colorado (WAP/WSCI Travel Award Winner) (WSPR)*

Abstract 22

**1:45 Moved to 12:45 pm**  
**HOW MUCH DO THEY TRULY UNDERSTAND? ASSESSING HEALTH LITERACY, NUMERACY, AND LEARNING STYLES IN A PEDIATRIC DIABETES CLINIC.**  
*N Nguyen, S Sathi and R Kinman, Merced, CA; Fresno, CA. El Capitan High School UCSF Fresno*

Abstract 23

- 2:00 CASE SERIES OF THYROTOXICOSIS: UNIQUE PRESENTATIONS AND CHALLENGES OF THYROID STORM MANAGEMENT.**  
*E Inga Jaco, M Clarke, S Chandramahanti, S Singh, R Garcia-Pacheco, F Joolhar, M Sukkar and R Kulasingam, Bakersfield, CA. Kern Medical*  
 Abstract 24
- 2:15 FACTORS ASSOCIATED WITH OSTEOPOROSIS, FRAGILITY FRACTURES, AND OSTEOPENIA: A POPULATION-LEVEL ANALYSIS UTILIZING THE UNITED KINGDOM BIOBANK.**  
*CK O'Neill, E Duckworth, R Shah, P Jayakumar and E Truumees, Seattle, WA; Austin, TX. University of Washington*  
 Abstract 25
- 2:30 NEURODEVELOPMENTAL OUTCOME OF TERM AND NEAR-TERM INFANTS WITH SEVERE HYPOGLYCEMIA.**  
*SS Bai-Tong and D Golembeski, San Diego, CA. Rady Children's Hospital University of California, San Diego (WSPR Prolacta Bioscience Research Award)*  
 Abstract 26
- 2:45 DIABETES SUPPORT GROUPS IN RURAL SETTINGS.**  
*B Crowley and T Keys, Seattle, WA. University of Washington School of Medicine*  
 Abstract 27
- Healthcare Delivery Research I - Community Health Projects**  
 Babcock #6 (Sunset Center)  
*Mariah Brown and Alexandra Carl, Presiding*
- 12:45 BARRIERS AND FACILITATORS TO THE UPTAKE OF POST-VIOLENCE CARE SERVICES AND ORAL HIV TESTING AMONG YOUNG WOMEN ENROLLED IN PAMOJA COMMUNITY BASED ORGANIZATION, SEME SUB COUNTY, KENYA.**  
*N Mourad, A Gangji, S Lai, J Song, P Mbullo and V Kapoor, Vancouver, BC, Canada; Detroit, MI; Kisumu West, Kenya. University of British Columbia (WSMRF)*  
 Abstract 28
- 1:00 INCREASING HEALTHY HABIT AWARENESS IN GALENA, ALASKA.**  
*C Chapman and T Keys, Seattle, WA. University of Washington School of Medicine*  
 Abstract 29
- 1:15 QUALITATIVE STUDY OF QUITNOW (SMOKING CESSATION WEBSITE) USER EXPERIENCES.**  
*T Salheddin and L Struik, Vancouver, BC, Canada; Kelowna, BC, Canada. University of British Columbia (WSMRF)*  
 Abstract 30
- 1:30 IMPROVED DIABETES & CARDIOVASCULAR EDUCATION OUTCOMES AMONG COMMUNITY HEALTH PROMOTERS IN MAI MAHIU, KENYA.**

CB Pham and D Bosibori, Seattle, WA; Naivasha, Kenya. *University of Washington School of Medicine (WSMRF)*

Abstract 31

**1:45 ASSESSING ABORTION CARE BARRIERS—DESIGNING SUPPORT FOR INTEGRATION OF SERVICES INTO THE PRIMARY CARE SETTING.**

KE Fine, Y Zhang, A Fiastro, G Shih, D Aldrich, E Godfrey and I Bennett, Seattle, WA; Spokane, WA. *University of Washington*

Abstract 32

**2:00 DEVELOPING A COMMUNITY-CENTERED HEALTH FAIR THROUGH A PIPELINE COLLABORATIVE APPROACH WITH LEARNERS IN TRAINING.**

M Morton, P Kuo and C Casilang, Orange, CA. *UC Irvine School of Medicine/CHOC Children's Hospital of Orange County*

Abstract 33

**2:15 INCREASING OPIOID USE DISORDER AWARENESS ON THE BLACKFEET RESERVATION IN BROWNING, MONTANA.**

CE Kray and T Keys, Seattle, WA. *University of Washington School of Medicine (WSMRF)*

Abstract 34

**2:30 EVALUATING OUTCOMES OF COMMUNITY HEALTH PROMOTER'S COPD DIAGNOSIS AND MANAGEMENT EDUCATION IN KARAGITA, NAIVASHA, KENYA. A QUASI EXPERIMENTAL STUDY.**

M Anderson and D Bosibori, Seattle, WA; Naivasha, Kenya. *University of Washington*

Abstract 35

**2:45 ENHANCING HEALTH LITERACY AND PROMOTING PREVENTIVE MEDICINE AMONG THE GERIATRIC COMMUNITY IN BUFFALO, WYOMING.**

S Bauer and T Keys, Seattle, WA. *University of Washington School of Medicine*

Abstract 36

**Immunology and Rheumatology I**

Chapman #4 (Sunset Center)

Kevin Deane and Kristen Demoruelle, Presiding

**12:45 STATE-OF-THE-ART SPEAKER:  
SPUTUM BIOMARKERS IN THE PATHOGENESIS OF RHEUMATOID  
ARTHRITIS.**

*Kristen Demoruelle, University of Colorado School of Medicine*

**1:15 TESTING OF MULTIPLE AUTOANTIBODIES IDENTIFIES EXPANSION OF TARGETED ANTIGENS AND A METHOD TO IDENTIFY IMMINENT ONSET OF CLINICAL RHEUMATOID ARTHRITIS.**

S Goff, D Bergstedt, ML Feser, L Moss, T Mikuls, JD Edison, V Holers, M Mahler and K Deane, Aurora, CO; Omaha, NE; Denver, CO; Bethesda, MD; San Diego, CA. *The University of Colorado School of Medicine*

Abstract 37

**1:30 HUMAN CD4 T CELL RESPONSES TO *CHLAMYDIA TRACHOMATIS* METABOLIC ENZYMES.**

*K Herko, VL Campbell, CL McClurkan, J Craig, K Hybiske, C Johnston and DM Koelle, Seattle, WA. University of Washington*

Abstract 38

**1:45 GLUTATHIONE MODULATES THE HOST IMMUNE RESPONSE BY ALLEVIATING ADVERSE EFFECTS OF SARS COV-2 SPIKE PROTEIN.**

*BJ Norris, A Chorbajian, J Dawi, A Mohan, J Ochsner, Y Misakyan, A Kiriaki and V Venketaraman, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 39

**2:00 ANALYSIS OF BIOLOGIC THERAPIES IN PREGNANCY WITH MATERNAL RHEUMATOLOGIC DISEASE.**

*T Bronnenberg, A Kachikis and S McCartney, Seattle, WA. University of Washington*

Abstract 40

**2:15 INTERLEUKIN-22, INTERLEUKIN-17 AND, FORKHEAD BOX P3 IS SUPPRESSED IN STIMULATED PERIPHERAL BLOOD MONONUCLEAR CELLS OF MULTIPLE SCLEROSIS PATIENTS.**

*B Gezahegn and DH Wagner, Aurora, CO; Denver, CO. University of Colorado School of Medicine Webb-Warring Center*

Abstract 41

**2:30 DRUG RASH WITH EOSINOPHILIA AND SYSTEMIC SYMPTOMS (DRESS) CAUSED BY AMIODARONE.**

*A Chaudhry, K Fox, C Chiu and S Mishra, Bakersfield, CA. Kern Medical Center*

Abstract 42

**2:45 GRANULOMA ANNULARE ONSET FOLLOWING COVID-19 VACCINATION.**

*ER McIntyre, P Lamb, MA Fung, M Kiuru and LS Chan, Sacramento, CA. California Northstate University UC Davis*

Abstract 43

**Infectious Diseases I**

Conductor's Room

*Fred Buckner and David Gilbert, Presiding*

**12:45 ADMINISTRATION OF BIOMIMETIC HUMAN CELL MEMBRANE-COATED NANOSPONGES GREATLY IMPROVES SURVIVAL IN A MURINE MODEL OF NEONATAL PERITONITIS WITH OR WITHOUT CONCURRENT EXPOSURE TO TARGETED ANTIBIOTICS.**

- B Yu, W Gao, L Zhang, V Nizet and *SM Lawrence*, Salt Lake City, UT; La Jolla, CA. *The University of Utah (WSPR)*  
Abstract 44
- 1:00 CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF MYCOPLASMA AND UREAPLASMA INFECTIONS DETECTED BY MOLECULAR DIAGNOSTICS.**  
*DM Hansen, L Bourassa, J Leiberman and T Truong, Seattle, WA. University of Washington School of Medicine*  
Abstract 45
- 1:15 IMMUNE PATHWAYS ASSOCIATED WITH TUBERCULOSIS TREATMENT OUTCOMES.**  
*A Hsieh, F Darboe, G Walzl and S Suliman, San Francisco, CA; Pomona, CA; Cape Town, South Africa. UCSF Western University of Health Sciences (WSMRF)*  
Abstract 46
- 1:30 BACTERIAL ANTI-VIRAL IMMUNITY IN *PSEUDOMONAS AERUGINOSA*.**  
*A Scheel, M Maderia, D Faith and PR Secor, Bozeman, MT; Missoula, MT; Seattle, WA. University of Washington School of Medicine Montana State University*  
Abstract 47
- 1:45 HIGH DOSE AMOXICILLIN IN PNEUMOCOCCAL INFECTIONS: ARE TEEN DOSES TOO LOW OR ARE TODDLER DOSES TOO HIGH?**  
*KS Stenger and LG Yamamoto, Honolulu, HI. Hawaii Pacific Health*  
Abstract 48
- 2:00 IMPROVING SCREENING FOR VIRAL INFECTIOUS DISEASE IN THE EMERGENCY DEPARTMENT.**  
*O Hood and C Buresh, Seattle, WA. University of Washington*  
Abstract 49
- 2:15 THE ASSOCIATION BETWEEN REGULAR CANNABIS SMOKING AND ORAL HUMAN PAPILLOMAVIRUS INFECTION IN YOUNG ADULTS: A CROSS-SECTIONAL STUDY USING NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY DATA, 2011-2016.**  
*B Haynes, J Dipietro, M Ray, E Janetos, L Marshall and S Andrea, Portland, OR. Oregon Health and Science University School of Medicine OHSU-PSU School of Public Health (WSMRF)*  
Abstract 50
- 2:30 CHILDHOOD VACCINATION TRENDS IN ZIGUINCHOR, SENEGAL.**  
*NI Stash and N Manga, Seattle, WA; Ziguinchor, Senegal. University of Washington*  
Abstract 51
- 2:45 EPIDEMIOLOGY AND RISK STRATIFICATION OF YOUNG INFANTS PRESENTING TO THE EMERGENCY DEPARTMENT WITH HYPOTHERMIA.**  
*M Wang and I Trehan, Seattle, WA. University of Washington (WSMRF)*  
Abstract 52

## **Neonatology General I**

Studio 105 (Sunset Center)

*Manoj Biniwale and Brandon D. Tomlin, Presiding*

### **12:45 AIRWAY COLONIZATION AND RISK FACTORS FOR DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA IN INTUBATED VERY LOW BIRTH WEIGHT INFANTS.**

*J Huang, M Cielo, R Ramanathan and R Cayabyab, Los Angeles, CA. Los Angeles General Medical Center Keck School of Medicine of University of Southern California*

Abstract 53

### **1:00 PRESSURE TRANSMISSION ON BI-NASAL (RAM) CANNULA WITH T-PIECE RESUSCITATOR.**

*S Kim, R Ramanathan and M Biniwale, Los Angeles, CA. Los Angeles General Medical Center Keck School of Medicine of USC*

Abstract 54

### **1:15 LOW SODIUM MATERNAL DIET IMPAIRS THE EFFECTIVE IMMUNE RESPONSE TO NEONATAL SEPSIS IN A MURINE MODEL.**

*J Jones, A Cera, G Bautista, J Grobe, J Segar and S McElroy, Sacramento, CA; Milwaukee, WI. UC Davis*

Abstract 55

### **1:30 PARENTAL PERCEPTIONS OF DISCHARGE READINESS FOR INFANTS WITH SEVERE BRONCHOPULMONARY DYSPLASIA: NICU SUPPORT, INFANT AND PARENT WELL-BEING, AND PARENTAL COMFORT.**

*KE Hannan, SL Bourque, L Sherlock, E Wymore, J Kinsella, E Mandell and S Houin, Aurora, CO. University of Colorado (WSPR)*

Abstract 56

### **1:45 EVALUATING PRACTICE CONSISTENCY: COMPLYING WITH THE DIRECTIVE TO OBTAIN UMBILICAL CORD ARTERIAL AND VENOUS BLOOD GASSES, AND HEMOGLOBIN VALUES AT HIGH-RISK DELIVERIES.**

*SM Tweddell, TM Bahr, RK Ohls and RD Christensen, Salt Lake City, UT. University of Utah*

Abstract 57

### **2:00 NEONATAL INPATIENT STAYS LONGER THAN 1 YEAR: WHO WAS ADMITTED, WHAT HAPPENED, AND HOW MUCH DID IT COST?**

*ND Shah and F Dapaah-Siakwan, Madera, CA. Valley Children's Healthcare*

Abstract 58

### **2:15 INCIDENCE OF GASTROSCHISIS IN THE UNITED STATES FROM 2015-2021.**

*A Cera and G Bautista, Sacramento, CA. UC Davis (WSPR)*

Abstract 59

2:30

**ASSESSMENT OF ANTIBIOTICS USAGE TRENDS IN NICU PATIENTS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY: OPPORTUNITIES FOR QUALITY IMPROVEMENT.**

*C Manjunath, H Manjunatha and L Ngo, Loma Linda, CA; Atlanta, GA. Loma Linda University Children's Hospital*

Abstract 60

**2:45 LESSONS LEARNED FROM ROUTINE PERINATAL MENTAL HEALTH SCREENING IN A NEONATAL INTENSIVE CARE UNIT.**

*SA Swenson, DA Wilton, B Skalland, M Kroupina, EA Osterholm, M Paulsen, AL Lampland and AG Downey, Minneapolis, MN; Saint Paul, MN. University of Minnesota Medical School*

Abstract 61

**Neonatology Pulmonary I**

Rehearsal Room (Sunset Center)

*Cassidy Delaney and Eniko Sajti, Presiding*

**12:45 POSTNATAL GROWTH RESTRICTION AND DHA SUPPLEMENTATION REDUCE LUNG PERILIPIN EXPRESSION IN ASSOCIATION SEX-DIVERGENT CHANGES IN PPAR $\gamma$  ACTIVITY.**

*W Chidester, CT Bitsui, A Parikh, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 62

**1:00 PERINATAL ACETAMINOPHEN TOXICITY IS MEDIATED BY CYTOCHROME P450 2E1 (CYP2E1) IN A TIME AND CELL TYPE SPECIFIC MANNER.**

*E Golden, L Zheng, MR Grayck, Z Li, N Talaba, D McCulley and CJ Wright, Aurora, CO; San Diego, CA. University of Colorado School of Medicine (WSPR Prolacta Bioscience Research Award)*

Abstract 63

**1:15 NEONATAL HYPEROXIA EXPOSURE DERAILS THE NORMAL DEVELOPMENT AND THE PHYSIOLOGICAL AGING OF THE LUNG.**

*C Seymour, S Jansky, C Glass and E Sajti, San Diego, CA. UC San Diego (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 64

**1:30 CHIESI STATE-OF-THE-ART SPEAKER:  
EARLY LIFE – A WINDOW OF SUSCEPTIBILITY OR A WINDOW OF OPPORTUNITY?**

*Hitesh Deshmukh, Cincinnati Children's*

- 2:00 PLATELETS ARE ACTIVATED AND INCREASED IN THE LUNGS OF HYPOXIC NEONATAL MICE.**  
*J Archambault, JN Posey, M Jordan, E Nozik and C Delaney, Aurora, CO. University of Colorado*  
 Abstract 65
- 2:15 HYPEROXIA INDUCES AGE-DEPENDENT TRANSCRIPTOMIC CHANGES IN THE LUNG.**  
*S Jansky, C Glass and E Sajti, San Diego, CA; La Jolla, CA. UC San Diego and Rady Children's Hospital*  
 Abstract 66
- 2:30 NINTEDANIB, AN ANTI-FIBROTIC DRUG, PRESERVES LUNG ALVEOLAR AND VASCULAR GROWTH AND PREVENTS PULMONARY HYPERTENSION IN AN EXPERIMENTAL MODEL OF HYPEROXIA-INDUCED LUNG INJURY.**  
*KL Ding, C Smith, SH Abman and G Seedorf, Aurora, CO. University of Colorado, School of Medicine (WSMRF)*  
 Abstract 67
- 2:45 THE TIMING OF GROWTH RESTRICTION IN THE RAT AFFECTS INTRAPULMONARY LIPID PROFILES AND PPAR $\gamma$  EXPRESSION.**  
*CT Bitsui, A Bartholomew, W Chidester, C Kindred, A Cohen, M Borton, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)*  
 Abstract 68

### **Surgery I - Orthopedics**

Green Room (Sunset Center)  
*Subhas Gupta and Lee Wong, Presiding*

- 12:45 ANGIOTENSIN CONVERTING ENZYME INHIBITION AS A POTENTIAL RISK FACTOR FOR TOTAL KNEE ARTHROPLASTY INFECTION.**  
*NA Cevallos, R Trikha, A Zhang, A Stavrakis, C Photopoulos and N Bernthal, San Francisco, CA; Los Angeles, CA. UCSF (WAFMR/WAP/WSCI Student Subspecialty Award)*  
 Abstract 69
- 1:00 EVALUATION OF BONE INGROWTH USING A SCAFFOLD MATRIX IN A RAT MODEL.**  
*RV Childers, A Nunez Romero, G Figueroa, D Gonzales, D Loy, K Muralidharan, B Potter, J Szivek and D Margolis, Tucson, AZ. University of Arizona College of Medicine Tucson (WAFMR)*  
 Abstract 70
- 1:15 INTRA-OPERATIVE SKIN TRACTION IN POSTERIOR SPINE FUSION FOR NON-AMBULATORY PEDIATRIC SCOLIOSIS.**  
*G Coughlin, SA Shah and JM Bauer, Seattle, WA; Wilmington, DE. University of Washington*  
 Abstract 72
- 1:30 WHAT IS OCCURRING AT THE OTHER DISC SPACES IN THE EARLY POSTOPERATIVE PERIOD FOLLOWING A CERVICAL DISC**

**REPLACEMENT AT A SINGLE LEVEL?: PRELIMINARY DATA.**

*L Basner, PK Louie, A Bansal and R Kumar, Seattle, WA. University of Washington  
Virginia Mason Medical Center*

Abstract 73

**1:45 COMPARATIVE ANALYSIS OF OUTCOMES FROM MENISCECTOMY WITH OR WITHOUT CONCURRENT SYNOVECTOMY.**

*K Williams, E Constantine, K Whitney, SA Fry, R McCarrick-Walmsley, B Mayer, E McCarty, J Genuario, M Boublik, R Frank, T Noonan and J Dragoo, Aurora, CO; Englewood, CO. University of Colorado School of Medicine*

Abstract 74

**2:00 AN ANALYSIS OF RISKS AS A PREDICTOR OF THE OUTCOME OF ANKLE ARTHRODESIS.**

*M Nocek, M Zhu, D Huo, N Singh, M Lei, S Li and M Myerson, Aurora, CO. University of Colorado School of Medicine*

Abstract 75

**2:15 INCIDENCE OF ACL INJURIES IN FEMALES BY SELECTIVE USE OF ORAL CONTRACEPTIVE PILLS.**

*SA Fry, C Keeter, R McCarrick-Walmsley, E Constantine, K Williams, K Whitney and J Dragoo, Aurora, CO. University of Colorado School of Medicine*

Abstract 76

**2:30 SPINAL TUMOR SURGERY FOR METASTATIC CANCER: COMPLETE RESECTION VERSUS PARTIAL RESECTION AND ADJUVANT TREATMENT.**

*A Quinn, SJ Crooks, H Pang, K Kelly and A Amin, Laramie, WY; Seattle, WA. University of Washington*

Abstract 77

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**CONCURRENT SESSIONS**

**Thursday, January 18, 2024  
3:15 PM – 5:45 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Cardiovascular II.....Promenade Lobby  
Diversity, Equity, Inclusion Research I.....Conductor’s Room  
Healthcare Delivery Research II.....Room 5, Sunset Center  
Hematology and Oncology I.....Green Room  
Neonatology – General II.....Babcock Room #6  
Neonatology – Pulmonary II.....Rehearsal Room  
Neuroscience I.....Chapman #4  
Pulmonary and Critical Care I.....Studio 105  
Surgery II - Plastic Surgery.....Carmel Women’s Club**

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**Cardiovascular II**

Promenade Lobby (Sunset Center)

*Robert Ross, Presiding*

**3:15 NATURAL OUTCOME OF ISOLATED RIGHT VENTRICULAR  
DYSFUNCTION IMMEDIATELY AFTER HEART TRANSPLANTATION.**

*E Chow, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA.  
Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 78

**3:30 TEMPORAL VALIDATION OF PEDIATRIC MYOCARDITIS MORTALITY  
PREDICTION WITH MACHINE LEARNING MODEL.**

*T Yu, RM Leigh, L Ghimire and F Chou, Pomona, CA; Riverside, CA; Fresno, CA; Loma  
Linda, CA. College of Osteopathic Medicine of the Pacific*

Abstract 79

**3:45 SIRTUIN 3, OXIDATIVE STRESS, AND INFLAMMATION IN  
ATHEROSCLEROTIC PLAQUE RUPTURE.**

*P Velpuri, V Rai and DK Agrawal, Pomona, CA. College of Osteopathic Medicine of the  
Pacific, Western University of Health Sciences*

Abstract 80

**4:00 REVISITING CMV PROPHYLAXIS IN HEART TRANSPLANTATION IN THE  
CURRENT ERA: DOES IT MAKE SENSE?**

*A Kanungo, T Singer-Englar, N Bhatnagar, M Hamilton and J Kobashigawa, Los  
Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 81

**4:15 DOES NEUPOGEN INCREASE THE RISK OF REJECTION AFTER HEART TRANSPLANT?**

*N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 82

**4:30 MRA USE IN ATTR PATIENTS: IS IT EFFECTIVE?**

*B Ivey, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 83

**4:45 SEX DIFFERENCES IN THE PATTERN OF NEWLY DIAGNOSED TREATABLE SEVERE AORTIC STENOSIS IN BRITISH COLUMBIA, CANADA: AORTIC STENOSIS IN B.C. DATA STUDY.**

*S Lakhani, A Roshan, J Yim, A Sidhu, J Sathananthan, D Wood, MY Tsang, DF Yeung, C Luong, P Nair, J Jue, K Gin and TS Tsang, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 84

**5:00 EXTRACELLULAR RIBOSOMAL PROTEINS IN ISCHEMIC MYOCARDIAL PATHOLOGY.**

*CI Doescher, AV Thai, DK Agrawal and FG Thankam, Pomona, CA. Western University of Health Sciences*

Abstract 85

**5:15 PREVALENCE OF PREEEXISTING CARDIAC DISEASE IN CASES OF SUDDEN CARDIAC DEATH AFTER ENERGY DRINK CONSUMPTION.**

*BC Howard, N Keyvan, A Fung, T Joe, AB Patel, V Spak and BK Lee, Sacramento, CA; San Francisco, CA; Los Angeles, CA. University of California, Davis, School of Medicine UCSF*

Abstract 86

**5:30 COMPARING THE SOCIAL DETERMINANTS OF HEALTH OF PATIENTS WITH SEVERE AORTIC STENOSIS OR MITRAL REGURGITATION THAT RECEIVE OR DO NOT RECEIVE PROCEDURAL INTERVENTION.**

*JN Nguyen-Khoa, T Huang, P Botting and J Ebinger, Vallejo, CA; Los Angeles, CA. Touro University California*

Abstract 87

**Diversity, Equity, Inclusion Research I**

Conductor's Room

*Suresh Appavoo, Presiding*

**3:15 TRENDS IN PLASTIC SURGERY RESIDENTS BY GENDER AND RACE – ARE OUR EFFORTS AT REDUCING DISPARITIES ENOUGH?**

*G Petersen, N Kadakia, Z Brandt, JH Chung, J Myint, MD Wongworawat and H Kim, Loma Linda, CA. Loma Linda University*

Abstract 88

**3:30 TRENDS IN THE EMERGENCY MEDICINE MATCH RATES BY GENDER AND RACE: POTENTIAL IMPACTS OF VIRTUAL INTERVIEWS.**

*Z Brandt, R Lorson, M Oliinik, E Yankee, JH Chung and MD Wongworawat, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 89

**3:45 ENHANCING EMPATHY TOWARDS INDIVIDUALS WITH SUBSTANCE USE DISORDER.**

*M Alnaser, H Kim, D Luna-Valdez, A Butler, R Morauske and A Hayton, Loma Linda, CA. Loma Linda University*

Abstract 90

**4:00 COMPARISON OF THE SOCIAL DETERMINANTS OF HEALTH IN SURGICAL AORTIC VALVE REPLACEMENT VS. transcatheter AORTIC VALVE REPLACEMENT PATIENTS FOR THE TREATMENT OF AORTIC STENOSIS.**

*P Saldivar, J Ebinger and T Huang, Riverside, CA; Los Angeles, CA. University of California, Riverside (WAFMR/WAP/WSCI Student Subspecialty Award) (WAFMR)*

Abstract 91

**4:15 QUALITATIVE HISTORICAL ANALYSIS ON DECOLONIAL AND ANTI-OPPRESSIVE FORMS OF PRACTICING PSYCHIATRY IN NORTH AND WEST AFRICA DURING POSTCOLONIAL TRANSITIONS (1950S) WITH CASE STUDIES COMPOSED OF THE CLINICAL PRACTICE OF DR. FRANTZ FANON AND DR. THOMAS ADEOYE LAMBO.**

*JM Olivas-Blanco, Sacramento, CA. UC Davis*

Abstract 92

**4:30 PERCEIVED STRESS IN FEMALE MEDICAL STUDENTS PURSUING MALE-DOMINATED VS. FEMALE-DOMINATED SURGICAL SPECIALTIES.**

*J Hakel, T Gasbeck and V Gerriets, Elk Grove, CA. California Northstate University*

Abstract 93

**4:45 RACIAL AND ETHNIC DISPARITIES IN ADHERENCE TO ANTI-SEIZURE MEDICATIONS AMONG PATIENTS WITH EPILEPSY.**

*Y Jian, A Borhade, L Choi, B Lee, G Lee, R Shabbak, A Wategaonkar and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 94

**5:00 RACIAL DISPARITIES IN SURVIVAL OF FEMALES WITH LATE-STAGE BREAST CANCER: A REVIEW OF THE LITERATURE.**

*M Rauf, D Chai, J Chao, N Daza, A Dharnidharka, B Ly, K Megid and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 95

**5:15 RACIAL DISPARITIES IN BONE MARROW UTILIZATION FOR THE TREATMENT OF ACUTE MYELOGENOUS LEUKEMIA IN THE ADULT POPULATION: A LITERATURE REVIEW.**

*R Sabour, M Guillory, M Koh, N Labatia, S Sunkara, M Vishwarupe, F Zettersten-Mansour and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 96

**5:30 SURVEILLANCE OF HEALTHCARE EQUALITY AND IMPLICIT BIAS THROUGH INCIDENT REPORTS.**

*FT Le, N Greene, S Langston, K Payton and J Nguyen, Los Angeles, CA; Torrance, CA. Cedars- Sinai Medical Center Harbor- UCLA Medical Center*

Abstract 97

**Healthcare Delivery Research II**

Room 5 (Sunset Center)

*Maralyssa Bann, Presiding*

**3:15 PROTECTING CHILDREN FROM FIREARM VIOLENCE- ONE GUN LOCK AT A TIME.**

*A Agrawal and J Sun, Las Vegas, NV. University of Nevada, Las Vegas*

Abstract 98

**3:30 ASSOCIATIONS BETWEEN ELEVATED BLOOD LEAD LEVELS AND CHILD OPPORTUNITY INDEX SCORES REVEAL DISPARITIES IN NEIGHBORHOODS.**

*C Kim, L Wilson and V Lee, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 99

**3:45 HEPATITIS C CARE DELIVERY PRACTICES AMONG PRIMARY CARE PROVIDERS WHO DO AND DO NOT PRESCRIBE BUPRENORPHINE.**

*AM Mohabir, JR James, CB Simon, AM Cole and JI Tsui, Seattle, WA. University of Washington*

Abstract 100

**4:00 PREVALENCE OF COMMON OUTCOMES FROM RANDOMIZED CONTROLLED TRIALS IN SYSTEMATIC REVIEWS AS A MEASURE OF PUBLICATION BIAS: A META-REGRESSION.**

*P Le, S Qi, P Luong and L Caplan, Aurora, CO; St. Michael, Barbados. University of Colorado School of Medicine*

Abstract 101

**4:15 ELIMINATING BARRIERS TO CONTRACEPTION THROUGH CONTINUING EDUCATION AND IMPLEMENTATION OF SUBCUTANEOUS DMPA FOR AT-HOME USE.**

*P Rangel, C Clark and J Karlin, Sacramento, CA. UC Davis School of Medicine*

Abstract 102

**4:30 INCREASING EMERGENCY CONTRACEPTION COUNSELING AND PROVISION THROUGH RESIDENT EDUCATION AND ELECTRONIC HEALTH RECORD SUPPORT.**

*J Lutz and L Chambers-Kersh, Beavercreek, OH; Loma Linda, CA. Loma Linda University*

Abstract 103

**4:45 DECREASED NEED FOR SURGICAL INTERVENTION AMONG CHILDREN FROM AREAS OF HIGHER NEIGHBORHOOD DISADVANTAGE FOLLOWING TRAUMATIC INJURY**

*JE Orehova, E Myers, K Eyal, K Pickett-Nairne, M Malham, L Hill, K Adalgais and SN Acker, Aurora, CO. University of Colorado School of Medicine*

Abstract 104

**5:00 EFFECT OF HIGH HEAT RUNNING ENVIRONMENT ON ACHILLES TENDON MORPHOLOGY IN RUNNERS.**

*E Jones, M Lewis, J Crissey, C Garbuz and J Zhang-Lea, Spokane, WA. University of Washington School of Medicine*

Abstract 105

**5:15 MENTAL HEALTHCARE PROVIDER WORK ORIENTATIONS AND MENTAL HEALTH OUTCOMES.**

*OC Zielinski and S Kennedy, Aurora, CO. University of Colorado School of Medicine*

Abstract 106

**5:30 LOWER CHILD OPPORTUNITY IS ASSOCIATED WITH MORE ASTHMA EMERGENCY DEPARTMENT VISITS ON A NEIGHBORHOOD LEVEL.**

*L Wilson, C Kim and V Lee, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 107

**Hematology and Oncology I**

Green Room (Sunset Center)

*Thomas Deloughery and W. Conrad Liles, Presiding*

**3:15 THE MUCOSAL MELANOMA TUMOR MICROBIOME IS DISTINCT FROM CUTANEOUS WITH UNFAVORABLE PROPORTIONS OF IMMUNE-ASSOCIATED SPECIES.**

*P Parmar, M MacBeth, P Witty, W Robinson, C Lozupone and K Coutts, Aurora, CO. University of Colorado (WAFMR Trainee Research Award)*

Abstract 108

**3:30 IDENTIFYING MALIGNANT SMALL RENAL MASSES WITH RE-VASC, A NOVEL RETROPERITONEAL NEOVASCULARITY SCORING SYSTEM.**

*C Fateri, B Roth, S Rao, E Ho, A Peta, L Limfueco, T Bui, N Kar, J Glavis-Bloom, J Landman and R Houshyar, Irvine, CA; Seattle, WA. UC Irvine (WAFMR)*

Abstract 109

- 3:45 RADIOTHERAPY DOSE MAPS IMPROVE RADIOLOGISTS' CONFIDENCE AND ACCURACY IN INTERPRETING POST-TREATMENT THORACIC CTs.**  
*Z Ferguson-Steele, K Newell, D Shin, M Noh, S Pipavath, J Tsai, T Gutschenritter and J Kang, Seattle, WA. University of Washington School of Medicine*  
 Abstract 110
- 4:00 THE PHYSIOLOGICAL ROLE OF RELT FAMILY MEMBERS IN HUMAN CANCER AND CELLULAR APOPTOSIS.**  
*E Chou, E Chang, A Yanumula, W Wang, J Zhou, G Cusick, Y Shi, E Mohamed and J Cusick, Elk Grove, CA. California Northstate University*  
 Abstract 111
- 4:15 MASTECTOMY RATES IN BREAST CANCER PATIENTS WITH PATHOGENIC VARIANTS IN THE ATAXIA TELANGIECTASIA MUTATED GENE.**  
*M Kwan, J Culver, J Comeaux, C Ricker, M Tao, A Woodworth, A Okabe and J Ye, Los Angeles, CA; Elk Grove, CA. University of Southern California*  
 Abstract 112
- 4:30 A RARE CASE OF INTRAVENOUS IMMUNOGLOBULIN (IVIG) INDUCED THROMBOCYTOPENIA IN A PATIENT PRESENTING IN MYASTHENIA GRAVIS CRISIS.**  
*H Ipalawatte, N Ahmed, M Durrani and J Takher, Thousand Oaks, CA. HCA Los Robles Regional*  
 Abstract 113
- 4:45 CREATION OF NARROW DIAMETER PROTON PENCIL BEAMS USING OCTUPOLE MAGNETS.**  
*S Kim, J Park, J Slater and G McAuley, Loma Linda, CA. Loma Linda University (WSMRF)*  
 Abstract 114
- 5:00 IDENTIFYING PATIENTS WITH LUNG CANCER FROM ELECTRONIC HEALTH RECORDS: A SYSTEMATIC EVIDENCE REVIEW TO BRIDGE THE GAP BETWEEN RESEARCH AND REAL-WORLD IMPACT.**  
*AR Stevens, JR Malinowski, RT Levinson, M Chapman, SM Manemann, MP Wilson, SJ Bielinski, LV Rasmussen and LK Wiley, Aurora, CO; South Salem, NY; Heidelberg, Germany; London, United Kingdom; Rochester, MN; Chicago, IL. University of Colorado Anschutz Medical Campus (WSMRF)*  
 Abstract 115
- 5:15 NARRATIVE REVIEW OF STRATEGIES FOR BLOOD PRODUCT SHELF-LIFE EXTENSION.**  
*M Akaraphanth, J Oudakker, M Paulson and T Getz, Aurora, CO. University of Colorado School of Medicine University of Colorado Center for COMBAT Research, University of Colorado School of Medicine*  
 Abstract 116
- 5:30 CORONARY ARTERY DILATION IN EBV INDUCED HLH.**  
*DK Bhangal, J Snider and F Razzaqi, Madera, CA. Valley Children's Healthcare*

**Neonatology General II**

Babcock #6 (Sunset Center)

*Rowena Cayabyab and Angela Desmond, Presiding***3:15 EFFECT OF A MULTIDISCIPLINARY CARE TEAM ON ACHIEVEMENT OF DISCHARGE MILESTONES IN PATIENTS WITH SEVERE BRONCHOPULMONARY DYSPLASIA: A SINGLE-CENTER STUDY.***W Gravley, G Kinsey, LA Lusk and S Wai, Oakland, CA. UCSF Benioff Children's Hospital - Oakland*

Abstract 118

**3:30 ASSOCIATION OF TREATMENTS FOR PATENT DUCTUS ARTERIOSUS WITH SPONTANEOUS INTESTINAL PERFORATION IN PRETERM INFANTS.***KM Cautivar, BJ Cacho, H Jennings, P Chun, A Marshall and D Deming, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 119

**3:45 OUTCOMES OF INFANTS SCREENED FOR HYPOGLYCEMIA IN THE MOTHER BABY UNIT AND RISK FACTORS ASSOCIATED WITH ADMISSION TO THE NEONATAL INTENSIVE CARE UNIT.***JY Massoumi, S Siddiqui, V Becerra, FB Wertheimer, R Ramanathan and R Cayabyab, Los Angeles, CA. University of Southern California/Los Angeles General Medical Center*

Abstract 120

**4:00 EXTENDED FOLLOW-UP TRENDS IN EXTREMELY PRETERM INFANTS ENROLLED IN THE PRETERM ERYTHROPOIETIN NEUROPROTECTION (PENUT) TRIAL.***K Patel, D Horner, M Puia-Dumitrescu, K German, K Perez, GC Valentine, J Law, TR Wood, B Comstock, D Mayock, P Heagerty, S Juul and S Kolnik, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 121

**4:15 PHILIP SUNSHINE STATE-OF-THE-ART SPEAKER: ANTIBIOTIC STEWARDSHIP IN THE NICU: REVISITING FAMILIAR PRACTICES IN INFECTION MANAGEMENT.***Sagori Mukhopadhyay, Children's Hospital of Philadelphia***4:45 OUTCOMES OF PREGNANCIES AFFECTED BY ALLOIMMUNIZATION IN A LARGE U.S. HEALTHCARE SYSTEM OVER SIX YEARS.***TM Bahr, SM Tweddell, JM Zalla, D Dizon-Townson, ER Henry, SJ Ilstrup, C Ling, PC Lindgren, E O'Brien and RD Christensen, Salt Lake City, UT; Murray, UT. University of Utah Intermountain Health (WSPR)*

Abstract 122

**5:00 PROCALCITONIN LEVELS IN NON-INFECTED NEONATES IN THE PRESENCE OF RESPIRATORY DISTRESS WITHIN THE FIRST 48 HOURS OF POSTNATAL LIFE.**

GA Lorusso Vivas, A Vachhani, R Ramanathan and R Cayabyab, Los Angeles, CA; Orange, CA. *Los Angeles General Medical Center*

Abstract 123

**5:15 NEONATAL HYPOTHERMIA PREVALENCE IN A TERTIARY REFERRAL BIRTHING CENTER IN NEPAL  
NEONATAL HYPOTHERMIA PREVALENCE IN A NEPALI TERTIARY REFERRAL BIRTHING CENTER.**

BD Tomlin, A Mahato, N Bohara, A Bajracharya, B Fassl, A Judkins and S Dongol, Dhulikhel, Nepal; Salt Lake City, UT; Rootstown, OH. *University of Utah (WSPR)*

Abstract 124

**5:30 BODY COMPOSITION ASSESSMENT USING POINT-OF-CARE ULTRASOUND FOR INFANTS ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT.**

S Yeager, D Hendrixson, GM Cunha, GC Valentine, TR Wood and KM Strobel, Seattle, WA. *University of Washington*

Abstract 125

**Neonatology Pulmonary II**

Rehearsal Room (Sunset Center)

*Lisa Joss-Moore and Sandra L. Leibel, Presiding*

**3:15 UNIVERSITY OF UTAH KURT H. ALBERTINE STATE-OF-THE-ART LECTURE:**

**TRANSLATING NATURAL HISTORY OF CHD INTO PULMONARY VASCULAR PATHOBIOLOGY AND THERAPEUTIC TARGETS.**

*Jeff Fineman, University of California San Francisco*

**3:45 CONTINUOUS CHEST COMPRESSIONS WITH HIGH FREQUENCY JET VENTILATION IMPROVES GAS EXCHANGE IN ASPHYXIATED CARDIAC ARRESTED PRETERM LAMBS.**

E Giusto, E Riley, D Sankaran, A Lesneski, R Valdez, M Hardie, VL Hammitt, S Lakshminrusimha and P Vali, Sacramento, CA; San Francisco, CA; Redding, CA; Davis, CA. *University of California, Davis University of California, San Francisco*

Abstract 126

**4:00 RANDOMIZED TRIAL OF EFFECTIVENESS OF PERIPHERAL VENOUS VS. UMBILICAL VENOUS ROUTES IN AN OVINE MODEL OF PERINATAL ASPHYXIAL ARREST.**

R Valdez, E Giusto, A Lesneski, VL Hammitt, KC Tully, P Vali, S Lakshminrusimha and D Sankaran, Davis, CA. *University of California, Davis*

Abstract 127

**4:15 USE OF LONG-TERM VENTILATION FOR PRETERM INFANTS WITH SEVERE BRONCHOPULMONARY DYSPLASIA IN BRITISH COLUMBIA: A RETROSPECTIVE COHORT STUDY.**

*K Mundi, E Kieran, J Van Dyk and M Wright, Vancouver, BC, Canada. University of British Columbia*

Abstract 128

**4:30 ANALYSIS OF SIGNALING PATHWAYS THAT CONTROL PROGENITOR EPITHELIAL CELL PROLIFERATION & DIFFERENTIATION USING HUMAN LUNG ORGANOID.**

*R Kibe, C Li, SM Smith and P Minoo, Los Angeles, CA. LAGMC University of Southern California (WSPR)*

Abstract 129

**4:45 LAMELLAR BODY FORMATION IN LRRK2 -/- DISTAL LUNG ORGANOID.**

*E Smith, R McVicar and SL Leibel, La Jolla, CA. University of California San Diego (WAFMR)*

Abstract 130

**5:00 IMPACT OF EARLY POSTNATAL TBX4 INSUFFICIENCY ON LUNG DEVELOPMENT AND PULMONARY HYPERTENSION IN INFANT MICE.**

*C Smith, KL Ding, G Seedorf and SH Abman, Aurora, CO. University of Colorado School of Medicine*

Abstract 131

**5:15 TEMPORAL VALIDATION OF A MACHINE LEARNING-BASED PREDICTION TOOL FOR SURVIVAL WITHOUT BRONCHOPULMONARY DYSPLASIA.**

*V Vu, S Sakhamuru, F Chou and F Vora, Loma Linda, CA; Riverside, CA. Loma Linda University*

Abstract 132

**5:30 OUTCOMES OF INFANTS REQUIRING SURFACTANT ADMINISTRATION THROUGH TWO DIFFERENT TECHNIQUES: LESS INVASIVE SURFACTANT ADMINISTRATION VS INTUBATION-SURFACTANT-EXTUBATION.**

*JK Sandhu, S Siddiqui, E Feliz Sala, R Ramanathan and M Biniwale, Los Angeles, CA. Los Angeles General Medical Center*

Abstract 133

**Neuroscience I**

Chapman #4 (Sunset Center)

*Jorge Nieva, Presiding*

**3:15 INTRANASAL ADMINISTRATION OF NA-112, A SELECTIVE CALPAIN-2 INHIBITOR, PREVENTS SEIZURE-INDUCED HIPPOCAMPAL CALPAIN ACTIVATION.**

*HN Berndt, A Pogue, M Braga, T Reece, W Su, E Penna, X Bi and M Baudry, Pomona, CA. Western University of Health Sciences (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 134

- 3:30 EFFECTS OF PERIPHERAL OR CENTRAL INSULIN RECEPTOR INHIBITION ON BLOOD-BRAIN BARRIER PERMEABILITY.**  
*T Bandarupalli, C Noonan, R Weaver, K Hansen, W Banks, M Erickson and E Rhea, Orlando, FL; Seattle, WA. University of Central Florida College of Medicine*  
Abstract 135
- 3:45 ETHNIC AND RACIAL DISPARITIES IN PROGRESSION OF MULTIPLE SCLEROSIS IN THE UNITED STATES: A LITERATURE REVIEW.**  
*M Gerges, R Cao, K Desai, A Hiranandani, C Jin, S Kang, S Lee and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*  
Abstract 136
- 4:00 ELEVATED ALANINE ON MAGNETIC RESONANCE SPECTROSCOPY IS ASSOCIATED WITH DEATH IN PEDIATRIC PATIENTS WITH HYPOXIC ISCHEMIC INJURY.**  
*C Cole, M Dopp, B Bartnik-Olsen and P Kim, Loma Linda, CA. Loma Linda University*  
Abstract 137
- 4:15 RESTORING CORNEAL SENSATION IN CHILDREN WITH NEUROTROPHIC KERATOPATHY: A SYSTEMATIC REVIEW.**  
*R Cardey, V Yin, R Courtemanche, Y Tuen, S Shayan and T Kwan-Wong, Vancouver, BC, Canada. University of British Columbia*  
Abstract 138
- 4:30 EFFECTS OF CARDIAC ARRHYTHMIAS ON THE MORTALITY AND MORBIDITY IN PEDIATRIC PATIENTS WITH SEIZURE DISORDERS.**  
*CY Cong, L Ghimire, H El Rahi and Z Torabyan, Fresno, CA. UCSF Fresno*  
Abstract 139
- 4:45 A REVIEW ON THE DIABETIC LUMBROSACRAL PLEXOPATHY BASED ON A 50 YEAR OLD PATIENT, A CASE REPORT.**  
*KT Dao, L Johar, J Abraham, C Aranguri, M Clarke, HK Veedu and B Ly, Bakersfield, CA. Kern Medical Center*  
Abstract 140
- 5:00 VALIDATION OF CALPAIN-2-MEDIATED TRUNCATION SITES IN HUMAN PTPN13.**  
*A Pogue, W Su, E Penna, T Reece, M Braga, HN Berndt, X Bi and M Baudry, Pomona, CA. Western University of Health Sciences*  
Abstract 141
- 5:15 UNCOVERING THE REAL NON-PSYCHIATRIC DIAGNOSIS: A RARE NEUROLOGICAL DISORDER.**  
*AM Lim, J Thukral, H Kaur, AA Patel, KK Dargan, EW Hernandez, A Zahid, JK Oberndorf, R Hambartzhumian, S Macwan and J Robinson, Palm Desert, CA. Eisenhower Medical Center*  
Abstract 142

- 5:30 UNCOVERING DRY BERI BERI IN A PATIENT WITH CATATONIA.**  
*E Davtyan, R Sharma and K Fox, Bakersfield, CA. Kern Medical*  
 Abstract 143
- Pulmonary and Critical Care I**  
 Studio 105 (Sunset Center)  
*Denise Al Alam and Michael Schivo, Presiding*
- 3:15 COMPLEMENT CONTRIBUTES TO HYPOXIA-INDUCED PLATELET ACTIVATION AND PULMONARY HYPERTENSION.**  
*JN Posey, M Jordan, E Nozik and C Delaney, Aurora, CO. University of Colorado, Anschutz Medical Campus*  
 Abstract 144
- 3:30 EFFECTS OF COUGH SUPPRESSION THERAPY IN PATIENTS WITH CONCURRENT CHRONIC REFRACTORY COUGH AND OROPHARYNGEAL DYSPHAGIA.**  
*SA Chen, JF Kim, P Krishna, B Crawley and T Murry, Loma Linda, CA. Loma Linda University (WAFMR/WAP/WSCI Student Subspecialty Award)*  
 Abstract 145
- 3:45 TB OR NOT TB: A RARE PRESENTATION OF HYDROPNEUMOTHORAX SECONDARY TO COCCIDIOIDOMYCOSIS.**  
*VE Espinoza, S Mishra and K Fox, Bakersfield, CA. Kern Medical*  
 Abstract 146
- 4:00 ANALYSIS OF RESPIRATORY INJURIES IN CALIFORNIA FIREFIGHTERS, 2000-2020.**  
*M Murray, P Blanc, R Harrison and SA Gandhi, San Francisco, CA. UCSF*  
 Abstract 147
- 4:15 FROM DISGUST TO DISCOVERY: A RARE CASE OF OROPHARYNGEAL MYIASIS IN A CALIFORNIAN ICU.**  
*S Uddin, K Ghadiya, J Abraham, VE Espinoza and I Garcia-Pacheco, Bakersfield, CA; Saint Michael, Barbados. Kern Medical Center*  
 Abstract 148
- 4:30 HYPEROXIA SURVIVAL IDENTIFIES NOVEL LONG-LIVED, OBESITY, FATTY LIVER DISEASE, AND DIABETES-RESISTANT RAT STRAIN.**  
*AG Allen, Z Long, S Santoso, MD Post, EE Smith, PV Wilson and JE Repine, Aurora, CO; South Bend, IN; Evanston, IL. University of Colorado Anschutz Medical Campus*  
 Abstract 149
- 4:45 IMPROVING NON-EMERGENT NEONATAL TRACHEAL INTUBATIONS.**  
*R Shay, B Weikel, J Barry and T Grover, Aurora, CO. University of Colorado Hospital*  
 Abstract 150
- 5:00 TECHNICAL ASSESSMENT OF SIMULATED NEONATAL INTUBATION USING MULTI-ANGLE VIDEO.**

H Gu, M Cranshaw, R Galindo, T Alade, L Pineda, P McWilliam, D Powell, N Kent, J Fuerch, N Yamada and L Halamek, Palo Alto, CA; Washington, D.C., Milton, MA; Rindge, NH. *Stanford University (WSPR)*

Abstract 151

**5:15 EFFECT OF STEWARDSHIP ON INHALED NITRIC OXIDE USE IN A PRETERM INFANT POPULATION.**

*SL Thompson, N Mullen, J Gross, J Love and J Maxwell, Albuquerque, NM. University of New Mexico*

Abstract 152

**5:30 HEMODYNAMICALLY SIGNIFICANT PATENT DUCTUS ARTERIOSUS AND MODERATE TO SEVERE BRONCHOPULMONARY DYSPLASIA.**

*AM Fyfe, J Love and S Markee, Albuquerque, NM. University of New Mexico*

Abstract 153

**Surgery II - Plastic Surgery**

Carmel Women's Club

*Subhas Gupta and Lee Wong, Presiding*

**3:15 AN ASSESSMENT OF BIOFILM FORMATION ON ACELLULAR DERMAL MATRIX IN BREAST IMPLANTS.**

*LE Thomas, EA Small, PF Carlson and S Gupta, Loma Linda, CA. Loma Linda University (WAFMR Trainee Research Award) (WAFMR)*

Abstract 154

**3:30 ENHANCING TRIAGE EFFICIENCY IN PLASTIC SURGERY: VALIDATION OF AN ARTIFICIAL INTELLIGENCE-DRIVEN DIALOGUE PROMPT FOR COMPLEX WOUND REFERRALS.**

*EA Small, K McMath, LE Thomas, PF Carlson and S Gupta, Loma Linda, CA. Loma Linda University*

Abstract 155

**3:45 NERVE WRAP FOR LOCAL DELIVERY OF TACROLIMUS ACCELERATES NERVE REGENERATION BY MODULATION OF SCHWANN CELL ACTIVITY WITHOUT CONCOMITANT SYSTEMIC LOADING.**

*K Jabbari, AA Su, B Xiao, F Feturi, Y van der Merwe, JM Barnett, NJ Khatler, E Katzel, R Venkataramanan, MG Solari, W Wagner, DJ Simons, MB Steketee and K Washington, Pittsburgh, PA; San Diego, CA; Aurora, CO. University of Colorado School of Medicine (WSMRF)*

Abstract 156

**4:00 DIFFERENCES BETWEEN POSTERIOR INTEROSSEOUS ARTERY FLAP OUTCOMES ACROSS VARIOUS SOFT TISSUE DEFECT ETIOLOGIES.**

*E Lascar and J Friedrich, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 157

- 4:15 COMPARISON OF CELL VIABILITY OF AUTOLOGOUS FAT GRAFTS OBTAINED WITH OPEN VERSUS CLOSED SYSTEMS.**  
*PF Carlson, EA Small, LE Thomas and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 158
- 4:30 ESTABLISHING A RETROSPECTIVE GENITAL GENDER AFFIRMING SURGERY DATABASE.**  
*NC Kalaf, JS Lin, O Awada and A Skokan, Seattle, WA. University of Washington*  
Abstract 160
- 4:45 SURGICAL APPROACHES FOR CARPOMETACARPAL-1OSTEOARTHRITIS: A META-ANALYSIS OF DELTA PAIN SCORES AND CLINICAL IMPLICATIONS.**  
*NM Sarli, N Golovachev, J Xavier, K Ghayyad and A Kachooei, Orlando, FL. Adventhealth, Rothman Orthopaedic Institute (WSMRF)*  
Abstract 161
- 5:00 VALIDATION OF CHATGPT AS A TOOL TO OPTIMIZE READABILITY OF PATIENT-FACING PLASTIC SURGERY EDUCATION MATERIALS.**  
*M Vallurupalli, ND Shah and R Vyas, Los Angeles, CA; Orange, CA. Keck School of Medicine of USC University of California, Irvine (WAFMR)*  
Abstract 162
- 5:15 SUCCESSFUL EXTENSION OF VASCULARIZED COMPOSITE ALLOGRAFT PERFUSION COLD STORAGE TO 24 HOURS IN A RAT HIND LIMB TRANSPLANT MODEL.**  
*J Huang, P Ng, D Yoeli, Y Luo, Y Wang, B Li, L Lu, Z Wang, P Arrowsmith, S Jain, DW Mathes, K Washington, E Farkash, A Jani and CA Huang, Aurora, CO; Ann Arbor, MI. University of Colorado School of Medicine*  
Abstract 163

**WELCOME RECEPTION AND POSTER SESSION**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Thursday, January 18, 2024**

**6:00 PM – 7:00 PM**

***Poster Session I - Posters 1-80***

***All Saints Church, Seccombe Hall***

***Ninth Avenue & Dolores St.***

***Poster Session II - Posters 81-152***

***Sunset Center, Carpenter Hall***

**Presentations will be from 6-7 pm**

**Odd numbered posters present from 6-6:30 pm**

**Even numbered from 6:30-7:00 pm**

***All welcome and encouraged to attend***

**POSTER SESSION I**

**Posters 1-80**

**All Saints Church, Seccombe Hall**

**Adolescent Medicine and General Pediatrics – 1-7  
Behavior, Development, and Child Psychology – 8-15  
Cardiology – 16-27  
Diversity, Equity, Inclusion Research – 28-32  
Genetics – 33-39  
Hematology and Oncology – 40-42  
Infectious Diseases – 43-52  
Morphogenesis and Malformations – 53-54  
Neonatology General – 55-75  
Neonatology – Perinatal Biology -76  
Neuroscience – 77-79  
Pulmonary & Critical Care Adult – 80**

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**Poster  
Number**

**Abstract/Program  
Number**

**1 EVALUATING THE IMPACT OF AN ADOLESCENT SEXUAL AND  
REPRODUCTIVE HEALTH EDUCATION PROGRAM IN INDIGENOUS  
THARU COMMUNITIES OF RURAL NEPAL.**

*SK Bondy, A Ho, P Kong, L Nakajima, A Chambers, J Cunningham, S Loughton and V  
Kapoor, Vancouver, BC, Canada. University of British Columbia*

Abstract 164

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>2</b>     <b>A PEDIATRIC DERMATOLOGY CASE: PERSISTENT LESIONS OF THE LOWER EXTREMITY IN A 13-YEAR-OLD BOY.</b>  <i>OS Cherepakhin and D Gupta, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 165</p>
<p><b>3</b>     <b>SKI AND SNOWBOARD INJURY PATTERNS IN THE UNITED STATES FROM 2010 TO 2020 IN PEDIATRIC PATIENTS.</b>  <i>M Dea and I Zapata, Parker, CO. Rocky Vista University (WAFMR)</i></p>	<p>Abstract 166</p>
<p><b>4</b>     <b>ASSESSMENT OF FOOD SKILLS FOR FAMILIES WITH CHILDREN WITH CHRONIC KIDNEY DISEASE: A NOVEL APPROACH.</b>  <i>M Cushing, K Gibson and A Walch, Vancouver, BC, Canada. University of British Columbia</i></p>	<p>Abstract 167</p>
<p><b>5</b>     <b>BUILDING SUSTAINABILITY IN GLOBAL HEALTH EDUCATION PROGRAMS: DEVELOPMENT AND IMPLEMENTATION OF A TRAINING-OF-TRAINERS MANUAL IN RURAL NEPAL.</b>  <i>A Ho, S Bondy, P Kong, J Cunningham, A Chambers, S Loughton, L Nakajima and V Kapoor, Vancouver BC, Canada. University of British Columbia</i></p>	<p>Abstract 168</p>
<p><b>6</b>     <b>DEVELOPMENT OF AN ADOLESCENT MENTAL HEALTH LITERACY NEEDS ASSESSMENT IN RURAL NEPAL.</b>  <i>P Kong, S Bondy, A Ho, J Cunningham, A Chambers, S Loughton, L Nakajima and V Kapoor, Vancouver, BC, Canada. The University of British Columbia</i></p>	<p>Abstract 169</p>
<p><b>7</b>     <b>TRANSITION OF CARE FROM INPATIENT TO OUTPATIENT SETTING: PERSPECTIVES OF PARENTS ABOUT ASTHMA ACTION PLAN.</b>  <i>K Mazloom, D Chin, H Nguyen-Tang and B Afghani, Orange, CA. UC Irvine School of Medicine Children's Hospital of Orange County (WSMRF)</i></p>	<p>Abstract 170</p>
<p><b>8</b>     <b>HARNESSING COMMUNITY STRENGTHS: STRATEGIES FOR SUICIDE PREVENTION IN ANACONDA, MONTANA.</b>  <i>KT Beach and T Keys, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 171</p>
<p><b>9</b>     <b>THE EFFECT OF REFLECTIVE WRITING AND BREASTFEEDING ON SELF-EFFICACY SCORES.</b>  <i>M Estafanous, R Lorson, S Son, A Maidan, A Thomas and E Hart, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 172</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>10 PERSPECTIVES OF LOCAL EXPERTS AND STUDENTS ON THE MENTAL HEALTH OF BHUTANESE YOUTH AND YOUNG ADULTS.</b>  <i>C Siu, H Hsiao, G Lam and V Kapoor, Vancouver, BC, Canada. University of British Columbia</i></p>	Abstract 173
<p><b>11 CANCELLED</b>  <b>INTERVENTIONS IN THE NICU FOR FATHERS/PARENTING PARTNERS COPING AND BONDING WITH BABY: A SCOPING REVIEW.</b>  <i>C Solness, K Huber, C Casler, D Starzyk and AG Dempsey, Denver, CO. University of Colorado</i></p>	Abstract 174
<p><b>12 PSYCHOLOGICAL INTERVENTIONS OF VIRTUAL GAMIFICATION WITHIN ACADEMIC INTRINSIC MOTIVATION: A SYSTEMATIC REVIEW.</b>  <i>J Xu and H Dhaliwal, Hamilton, BC, Canada; Los Angeles, CA. David Geffen School of Medicine</i></p>	Abstract 175
<p><b>13 EFFECTS OF HEAD TRAUMA FREQUENCY AND INTENSITY ON FOOTBALL PLAYERS IN HIGH, MODERATE, AND LOW CONTACT POSITIONS.</b>  <i>W Tsushima and H Yamamoto, Honolulu, HI; Los Angeles, CA. UCLA</i></p>	Abstract 176
<p><b>14 FREQUENCY OF NEGATIVE ADULT SPECTATOR BEHAVIOR AT YOUTH (11-14 Y/O) SPORTING EVENTS.</b>  <i>MY Yung, EA Rooks, R Chen, S Maarat, R Doyle and LG Yamamoto, Honolulu, HI. University of Hawaii John A. Burns School of Medicine</i></p>	Abstract 177
<p><b>15 CONSTIPATION-INDUCED DELIRIUM.</b>  <i>E. Deemer, M Zahid and N Quillatupa, Bakersfield, CA. Kern Medical Center</i></p>	Abstract 178
<p><b>16 AIR POLLUTION AS AN ENVIRONMENTAL STRESSOR IN THE PATHOGENESIS OF CARDIOVASCULAR DISEASES: A REVIEW OF THE UNDERLYING PATHOPHYSIOLOGICAL MECHANISMS.</b>  <i>Z Ahmed and DK Agrawal, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)</i></p>	Abstract 179
<p><b>17 LONG TERM OUTCOME OF ISOLATED FIRST-YEAR C1Q POSITIVE DONOR SPECIFIC ANTIBODIES AFTER HEART TRANSPLANTATION.</b>  <i>Z Wakefield, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)</i></p>	Abstract 180

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>18 DOES TARGETING LOWER LEVELS OF TACROLIMUS MAKE A DIFFERENCE AFTER HEART TRANSPLANTATION?</b>  <i>N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)</i></p>	<p>Abstract 181</p>
<p><b>19 IS CROSSING DSA DETECTED IN THE DILUTION ASSAY SAFE FOR PATIENTS UNDERGOING HEART TRANSPLANT?</b>  <i>A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)</i></p>	<p>Abstract 182</p>
<p><b>20 AN UNEXPECTED LARGE RIGHT ATRIAL THROMBUS DURING PATENT FORAMEN OVALE CLOSURE.</b>  <i>J Kim and S Kar, Thousand Oaks, CA. Los Robles Medical Center</i></p>	<p>Abstract 183</p>
<p><b>21 EFFECT OF INCREASED INTERHOSPITAL TRANSFER TIMES ON HEALTH OUTCOMES IN CRITICAL CARDIAC CARE IN BRITISH COLUMBIA AND THE YUKON IN CANADA.</b>  <i>S Lakhani, C Taylor and K Ramanathan, Vancouver, BC, Canada. University of British Columbia (WSMRF)</i></p>	<p>Abstract 184</p>
<p><b>22 EFFECT OF CARVEDILOL AND R-CARVEDILOL ON NITROGEN MUSTARD INDUCED MRNA OVEREXPRESSION OF PRO-INFLAMMATORY GENES IN THE SKIN OF SKH-1 MICE.</b>  <i>R Miwalian, A Shahid and Y Huang, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 185</p>
<p><b>23 ARTIFICIAL INTELLIGENCE IN THERAPEUTIC MANAGEMENT OF HYPERLIPIDEMIA AND OCULAR PATHOLOGY.</b>  <i>A Petrosyan, K Inouye, L Moskalensky and FG Thankam, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 186</p>
<p><b>24 PULMONARY EMBOLISM AND STROKE: A CASE REPORT OF A LARGE BIATRIAL THROMBUS SADDLING A PFO.</b>  <i>R Sharma, K Ghadiya, J Garcia, G Kooner and F Joolhar, Bakersfield, CA. David Geffen School of Medicine</i></p>	<p>Abstract 187</p>
<p><b>25 A CASE OF PERONEAL ARTERY PSEUDOANEURYSM: TREATMENT AND LONG-TERM FOLLOW-UP.</b>  <i>KG Thayapran and R Rafie, Aurora, CO; Visalia, CA. University of Colorado School of Medicine</i></p>	

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>26 A BROKEN HEART FAMILIAL DILATED CARDIOMYOPATHY PRESENTING WITH BILATERAL INTRAVENTRICULAR THROMBI AND MULTIPLE ARTERIAL THROMBOEMBOLI.</b> <i>S Uddin, S Aboaid, R Sharma and G Petersen, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 188</p>
<p><b>27 SNORTING, SHOOTING, OR SWALLOWING METHAMPHETAMINE: DOES ROUTE OF ADMINISTRATION AFFECT YOUR HEART HEALTH?.</b> <i>SA Yip, S Dulani, A Narasimhan, K Wieselthier, J Brown, S Saito and S Fuchs, Pomona, CA; Lebanon, OR; Bakersfield, CA, CA. Western University of Health Sciences - College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 189</p>
<p><b>28 ASSOCIATION OF PEDIATRIC POST-OPERATIVE OUTCOMES WITH GENDER, RACE AND ETHNICITY IN CANADA.</b> <i>J Zhang, R Boldut, A Duan, A Kwong, D Duffy and K Afshar, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital</i></p>	<p>Abstract 190</p>
<p><b>29 REIMAGINING HEATHCARE FOR CHILDREN - A PIVOT EMPHASIZING JUSTICE AND HUMAN DIGNITY.</b> <i>A Mowery, J Reiley and L Brunelli, Salt Lake City, UT. University of Utah</i></p>	<p>Abstract 191</p>
<p><b>30 QUALITY IMPROVEMENT INITIATIVE TO REDUCE DISPARITIES IN HUMAN DONOR MILK UTILIZATION.</b> <i>K Daly-Jensen, J Rodriguez, L Gievers and S Khaki, Portland, OR. Oregon Health and Science University</i></p>	<p>Abstract 192</p>
<p><b>31 COMMUNITY VOLUNTEERS IMPROVE MENTAL HEALTH OUTCOMES FOLLOWING DELIVERY OF A SCHOOL-BASED MENTAL HEALTH LITERACY PROGRAM TO YOUTH: ADVOCATES 4 ALL YOUTH (ALLY).</b> <i>M Izere, SN Wilson, C Mata, S Simon and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus</i></p>	<p>Abstract 193</p>
<p><b>32 EXPLORING RACIAL AND ETHNIC DISPARITIES IN THE EVALUATION OF CHILD ABUSE IN VERY YOUNG PEDIATRIC PATIENTS.</b> <i>M Jiang, S Bryant, A Dao, K Joshi, A Krishnan, K Vellanki, Y Yang and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)</i></p>	<p>Abstract 194</p>
<p><b>33 HEREDITARY ANGIOEDEMA: AN ACUTE EXACERBATION TRIGGERED BY SUN EXPOSURE.</b> <i>J Abraham, N Al-Yousfi and S Mishra, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 195</p>
	<p>Abstract 196</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>34 THE SPECTRUM OF DISEASE EXPRESSION IN X-LINKED DISORDERS USING COFFIN LOWRY SYNDROME CASE.</b> <i>K Barbour and M del Campo, San Diego, CA. University of California San Diego</i></p>	<p>Abstract 197</p>
<p><b>35 ESTABLISHING A DATABASE TO RELIABLY AND EFFICIENTLY IDENTIFY PATIENTS ELIGIBLE FOR NOVEL GENE THERAPIES.</b> <i>R Boldut, A Kwong, L Armstrong, J Gardiner, L Prentice, P Wokhloo and D Duffy, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital</i></p>	<p>Abstract 198</p>
<p><b>36 VASCULAR EHLERS-DANLOS SYNDROME AND VON WILLEBRAND DISEASE: CASE REPORT AND REVIEW OF LITERATURE.</b> <i>A Gomes and M del Campo, San Diego, CA. University of California San Diego</i></p>	<p>Abstract 199</p>
<p><b>37 FAMILIAL CASE OF APLASIA CUTIS CONGENITA AND ECTRODACTYLY SKELETAL SYNDROME - A CASE REPORT AND LITERATURE REVIEW.</b> <i>K Parashar, K Wigby, A Feigenbaum and M del Campo, San Diego, CA; Davis, CA. University of California at San Diego Rady Children's Hospital</i></p>	<p>Abstract 200</p>
<p><b>38 "15 YEARS OF MUSCLE WEAKNESS": A CASE OF LIMB GIRDLE MUSCULAR DYSTROPHY.</b> <i>AA Patel, J Thukral, H Kaur, A Zahid, KK Dargan, EW Hernandez, AM Lim, JK Oberndorf, R Hambartzhumian and S Macwan, Rancho Mirage, CA. Eisenhower Medical Center</i></p>	<p>Abstract 201</p>
<p><b>39 NO OOCYTES IN SIGHT: BIALLELIC <i>LHCGR</i> VARIANTS LEADING TO EMPTY FOLLICLE SYNDROME.</b> <i>K Verma, K Waud, AM Sule, L Aghajanova and CG Tise, Stanford, CA; San Francisco, CA. Stanford University School of Medicine</i></p>	<p>Abstract 202</p>
<p><b>40 PLASMABLASTIC LYMPHOMA IN A HIV NEGATIVE PATIENT.</b> <i>M Zahid, E Deemer, S Mishra, S Mehta, A Mezinord and G Morales, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 203</p>
<p><b>41 HODGKIN'S LYMPHOMA PRESENTING WITH PULMONARY SYMPTOMS.</b> <i>A Orogian, H Dhillon, J Abraham and B Mann, Bakersfield, CA; Los Angeles, CA. Kern Medical Center David Geffen School of Medicine</i></p>	<p>Abstract 204</p>
<p><b>42 HURTHLE CELL THYROID CARCINOMA METASTASIZING TO THE LUNGS AND LIVER DUE TO DELAYED CARE PURSUANT TO RELIGIOUS CONVICTIONS.</b> <i>S Sahadevan and V Ghai, Bakersfield, CA. Adventist Health Bakersfield</i></p>	

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>43 UNCOMMON PRESENTATION OF COCCIDIOIDES IMMITIS-INDUCED DERMATITIS IN A YOUNG ADULT.</b>  <i>N Al-Yousfi, J Abraham, B Mann, H Donsanouphit, O Afolabi and A Ashrafi, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 205</p> <p>Abstract 206</p>
<p><b>44 A CASE OF COCCIDIOIDAL MENINGITIS PRESENTING WITH SEVERE HYDROCEPHALUS.</b>  <i>S Dulani, S Mishra and K Fox, Bakersfield, CA; Loso Angeles, CA. Kern Medical Center Western University of Health Sciences, College of Osteopathic Medicine of The Pacific</i></p>	<p>Abstract 207</p>
<p><b>45 THE CHEERIO SIGN: AN ATYPICAL PRESENTATION OF COCCIDIOIDOMYCOSIS MASQUERADING AS METASTATIC THYROID CANCER.</b>  <i>K Ghadiya, C Aranguri, M Khamlong, J Kahlon and A Munoz, Bakersfield, CA. UCLA-Kern Medical</i></p>	<p>Abstract 208</p>
<p><b>46 INFECTIOUS ETIOLOGY OF GENERALIZED POLYARTHRITIS: A DIAGNOSTIC CHALLENGE.</b>  <i>E Inga Jaco and B Mann, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 209</p>
<p><b>47 ATYPICAL PRESENTATION OF COCCI MENINGITIS WITH HYDROCEPHALUS.</b>  <i>L Johar, E Davtyan and J Bhandohal, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 210</p>
<p><b>48 HIV-ASSOCIATED BURKITT LYMPHOMA PRESENTED AS SUBMANDIBULAR INFECTION.</b>  <i>L Kooner, C D'Assumpcao and A Heidari, Bakersfield, CA. Rio Bravo Family Medicine Residency Program at Clinica Sierra Vista</i></p>	<p>Abstract 211</p>
<p><b>49 EARLY RECOVERY FROM EPSTEIN BARR VIRUS-INDUCED PNEUMONITIS WITH EARLY CORTICOSTEROID ADMINISTRATION IN IMMUNO-COMPETENT ADOLESCENT.</b>  <i>M Morton and D Purdie, Orange, CA; Long Beach, CA. UC Irvine School of Medicine/CHOC Children's Hospital of Orange County</i></p>	<p>Abstract 212</p>
<p><b>50 FOURNIER'S GANGRENE IN A DIABETIC PATIENT: A CASE REPORT.</b>  <i>S Nguyen, T Nguyen and J Columbus, Steubenville, OH; Houston, TX. Trinity Health System</i></p>	<p>Abstract 213</p>

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>51 IMMUNE RECONSTITUTION INFLAMMATORY SYNDROME FROM FINGOLIMOD WITHDRAWAL IN A PATIENT WITH CRYPTOCOCCAL MENINGITIS IN S MULTIPLE SCLEROSIS PATIENT.</b> <i>L Okumoto, S Mishra, T Jestila, R Sharma and R Kuran, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 214</p>
<p><b>52 SPIROCHETE INFECTION INDUCED BITEMPORAL LIMBIC ENCEPHALITIS IN AN ELDERLY MALE.</b> <i>A Rodriguez, E Davtyan and B Mann, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 215</p>
<p><b>53 PERONEUS TERTIUS VARIANTS AND THEIR DISTINCTNESS FROM EXTENSOR DIGITORUM LONGUS.</b> <i>A Bas, K Kay and M Wedel, Pomona, CA. Western University of Health Sciences</i></p>	<p>Abstract 216</p>
<p><b>54 TOPOGRAPHY AND MORPHOMETRICS OF THE CARTILAGE SURFACES IN THE PERITALAR JOINTS.</b> <i>M Nocek, A Challapalli, A Kumar, M Zhu, J Oudakker, S Wittels, KJ Hunt, M Myerson and S Li, Aurora, CO. University of Colorado</i></p>	<p>Abstract 217</p>
<p><b>55 STANDARDIZING MANAGEMENT OF PATENT DUCTUS ARTERIOSUS IN A REGIONAL NEONATAL INTENSIVE CARE UNIT: A QUALITY IMPROVEMENT INITIATIVE.</b> <i>YN Adigwu, R Joshi, S Danon, C Tay, A Kokhanov and A Iacob, Long Beach, CA; Orange, CA; El Paso, TX. Miller Children's &amp; Women's Hospital Long Beach University of California Irvine</i></p>	<p>Abstract 218</p>
<p><b>56 DIAGNOSES, TREATMENTS, AND OUTCOMES IN A RURAL NEONATAL INTENSIVE CARE UNIT IN INDIA.</b> <i>D Arredondo, MF Butt, AM Ruf, H Panchal, P Pathak, S Patel, H Malkan, K Yadav, N Patel, A Judkins and B Fassl, Rootstown, OH; Mota Fofalia, India; Salt Lake City, UT. Northeast Ohio Medical University</i></p>	<p>Abstract 219</p>
<p><b>57 OPPORTUNITY TO PREVENT BILIRUBIN-INDUCED NEUROLOGICAL DYSFNCTION BY IDENTIFYING FEMALE CARRIERS OF A G6PD CLASS 1 MUTATION.</b> <i>TM Bahr, WL Prince, AM Agarwal, VK Bhutani and RD Christensen, Salt Lake City, UT; Murray, UT; Palo Alto, CA. University of Utah Intermountain Health (WSPR)</i></p>	<p>Abstract 220</p>
<p><b>58 ASSOCIATION OF TREATMENTS FOR PATENT DUCTUS ARTERIOSUS WITH NECROTIZING ENTEROCOLITIS IN PRETERM INFANTS.</b> <i>KM Cautivar, BJ Cacho, H Jennings, P Chun, A Marshall and D Deming, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)</i></p>	

- | <b>Poster<br/>Number</b>   | <b>Abstract/Program<br/>Number</b>      |
|--|---|
| <p><b>59 EARLY ONSET SEPSIS RISK EVALUATION AND MANAGEMENT OF INFANTS BORN AT 34 WEEKS: A QI PROJECT.</b><br/> <i>S Cheung, C Tay and A Iacob, Orange, CA; Long Beach, CA. University of California Irvine</i></p>   | <p>Abstract 221</p> <p>Abstract 222</p> |
| <p><b>60 FAT LOSS AFTER INFUSION OF FORTIFIED HUMAN MILK IN A POLYURETHRANE PLASTIC FEEDING SYSTEM.</b><br/> <i>V Hamilton, M Fusezy, M Elliott, R Ramanathan and R Cayabyab, Los Angeles, CA; Baltimore, MD; Duarte, CA. LA General Medical Center</i></p>  | <p>Abstract 223</p>                     |
| <p><b>61 RIGHT AORTIC ARCH WITH ABERRANT LEFT SUBCLAVIAN ARTERY: RADIOGRAPHY AND COMPUTED TOMOGRAPHY FINDINGS.</b><br/> <i>N Holden and M Wyers, Chicago, IL; Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences</i></p>  | <p>Abstract 224</p>                     |
| <p><b>62 FIRST BREATHS: AN EXPLORATORY STUDY EVALUATING THE POTENTIAL TO CREATE PERSONALIZED 3D-PRINTED CPAP MASKS FOR PRETERM INFANTS.</b><br/> <i>N Holden, J Son, T Tran, J Park, G Wisser and K Mitsouras, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)</i></p> | <p>Abstract 225</p>                     |
| <p><b>63 CENTRAL LINE INSERTION COMPLICATIONS IN NEONATES: A RETROSPECTIVE CHART REVIEW.</b><br/> <i>E Lane and C Sollinger, Sacramento, CA. University of California Davis</i></p>  | <p>Abstract 226</p>                     |
| <p><b>64 NEONATAL GASTRIC PERFORATION: CASE SERIES.</b><br/> <i>GD Mladenov, F Sharafeddin, B Edelbach, A Vacaru, D Moores, Y Singh and A Radulescu, Loma Linda, CA. Loma Linda University Children's Hospital</i></p>   | <p>Abstract 227</p>                     |
| <p><b>65 NEURODEVELOPMENTAL OUTCOMES FOLLOWING EXTRACORPOREAL MEMBRANE OXYGENATION.</b><br/> <i>D Owens, J Roundy, S Winter, A Maslach-Hubbard, NR Carr, M Profsky, CC Yost and T DuPont, Salt Lake City, UT. University of Utah Neonatal Follow Up Program</i></p>  | <p>Abstract 228</p>                     |
| <p><b>66 INCIDENCE AND RISK FACTORS FOR ACUTE KIDNEY INJURY IN EXTREMELY LOW BIRTH WEIGHT INFANTS– EXPERIENCE AT A SINGLE CENTER LEVEL III NEONATAL INTENSIVE CARE UNIT.</b><br/> <i>S Patel, R Ramanathan, L Barton and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center</i></p>   | <p>Abstract 229</p>                     |

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>67</b>    <b>EFFECT OF LONGER EXTRACORPOREAL LIFE SUPPORT AND EARLY TREPROSTINILON SURVIVAL IN INFANTS WITH SEVERE CONGENITAL DIAPHRAGMATIC HERNIA.</b>  S Rice-Townsend, <i>M Puia-Dumitrescu</i>, K Riehle, M Dellinger, D Yung, E Jackson, C Foster, J Ashe, R Stark and R DiGeronimo, Seattle, WA. <i>Seattle Children's Hospital</i></p>	<p>Abstract 230</p>
<p><b>68</b>    <b>IMPROVING PSYCHOLOGICAL SAFETY IN THE NICU CLINICAL LEARNING ENVIRONMENT.</b>  <i>R Sanchez</i>, B Pham, A Boriski, W Brock, Y Marengo, L Dexheimer, L Catalan, S Freeman, T Geolina, A Lim, J Iseri, T Glenn and K Marc-Aurele, San Diego, CA. <i>University of California San Diego</i></p>	<p>Abstract 231</p>
<p><b>69</b>    <b>MATERNAL AND NEONATAL RISK FACTORS FOR THE SURGICAL TREATMENT OF NECROTIZING ENTEROCOLITIS.</b>  <i>JK Sandhu</i>, L Barton, M Biniwale, R Ramanathan and A Yeh, Los Angeles, CA. <i>Los Angeles General Medical Center</i></p>	<p>Abstract 232</p>
<p><b>70</b>    <b>PREDICTORS OF BLOOD GLUCOSE LEVEL IN LATE PRETERM AND TERM INFANTS AT RISK FOR HYPOGLYCEMIA WITHIN THE FIRST HOUR OF LIFE.</b>  <i>S Siddiqui</i>, JY Massoumi, V Becerra, FB Wertheimer, R Ramanathan and R C, Los Angeles, CA. <i>University of Southern California/Los Angeles General Medical Center</i></p>	<p>Abstract 233</p>
<p><b>71</b>    <b>RISK FACTORS FOR VERY LOW BIRTH WEIGHT INFANTS WITH ABNORMAL NEURODEVELOPMENTAL PATTERN DETECTION IN THE FIRST YEAR OF LIFE AND ITS IMPACT ON FUTURE DEVELOPMENT.</b>  <i>H Thirumalai</i>, S Manickam, R Ramanathan and M Biniwale, Los Angeles, CA. <i>Keck School of Medicine of USC</i></p>	<p>Abstract 234</p>
<p><b>72</b>    <b>BASELINE ASSESSMENT OF PRENATAL, PERINATAL, AND POSTNATAL CARE ON NEWBORN HEALTH OUTCOMES IN RURAL NEPAL.</b>  <i>P Tran</i>, N Price, B Lamichhane and B Fassl, Rootstown, OH; Kathmandu, Nepal. <i>Northeast Ohio Medical University</i></p>	<p>Abstract 235</p>
<p><b>73</b>    <b>A COMPARISON OF FIVE DEFINITIONS OF NECROTIZING ENTEROCOLITIS.</b>  <i>V Wei</i>, L McGill-Vargas and M Underwood, Spokane, WA; Sacramento, CA. <i>WSU Elson S. Floyd College of Medicine (WSMRF)</i></p>	<p>Abstract 236</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>74</b>    <b>FACTORS ASSOCIATED WITH DONOR BREAST MILK RECEIPT IN THE NEONATAL INTENSIVE CARE UNIT IN AN ASIAN PACIFIC ISLANDER POPULATION.</b>  <i>N Wong, A Siu and K Wong Ramsey, Honolulu, HI. Hawai'i Pacific Health</i></p>	<p>Abstract 237</p>
<p><b>75</b>    <b>PERCUTANEOUS TRANSCATHETER CLOSURE OF PATENT DUCTUS ARTERIOSUS IN PREMATURE NEONATES – THE ROLE OF ECHOCARDIOGRAPHY IN PREDICTION OF POST LIGATION SYNDROME.</b>  <i>CG Yu, S Nageotte, J Lee, U Jodhka and Y Singh, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 238</p>
<p><b>76</b>    <b>QUANTIFYING FETAL REPROGRAMMING IN PREECLAMPSIA FOR NEONATAL OUTCOME CORRELATION.</b>  <i>K Newton, Loma Linda, CA. Loma Linda University Children's Hospital</i></p>	<p>Abstract 239</p>
<p><b>77</b>    <b>TWO CASES OF ANTERIOR SHOULDER DISLOCATION AND FRACTURE SECONDARY TO GENERALIZED TONIC-CLONIC SEIZURE.</b>  <i>KT Dao, HK Veedu, B Ly, J Ipe, C Nguyen and M Eagan, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 240</p>
<p><b>78</b>    <b>RARE CASE OF PONTINE BLEED AS AN ADVERSE EFFECT OF ACALABRUTINIB.</b>  <i>K Sabetian, Bakersfield, CA. Kern Medical</i></p>	<p>Abstract 241</p>
<p><b>79</b>    <b>NAVIGATING THE COMPLEXITY: A UNIQUE CASE OF AUTOIMMUNE ENCEPHALITIS.</b>  <i>MP Reyes and S Thiagarajan, Porterville, CA. Sierra View Medical Center</i></p>	<p>Abstract 242</p>
<p><b>80</b>    <b>UNDER PRESSURE: PULMONARY ARTERIAL HYPERTENSION PREVENTS HEMODYNAMIC COLLAPSE IN PERICARDIAL TAMPONADE.</b>  <i>S Uddin, N Nikolov, H Hajeh, T Jestila and G Petersen, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 243</p>

POSTER SESSION II

Posters 82-152

*Carpenter Hall, Sunset Center*

**Odd numbered posters present from 6-6:30 pm**

**Even numbered from 6:30-7 pm**

**Healthcare Delivery Research – 82-124**

**Surgery – 125- 152**

- 
- 82 DECREASING ORTHOPEDIC PAN SIZE CAN INCREASE COST-EFFECTIVENESS, EFFICIENCY, AND SUSTAINABILITY.**  
*R Ku, R Boldut, A Duan, A Kwong, J Zhang, D Duffy and A Cooper, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital*  
Abstract 245
- 83 SOCIAL, CULTURAL, AND ECONOMIC FACTORS CONTRIBUTING TO IRON-DEFICIENCY ANEMIA IN A RURAL DISTRICT OF NEPAL.**  
*BJ Brocker, J Casteel, S Raghavachari, P Karki, B Lamichhane and B Fassl, Rootstown, OH; Salt Lake City, UT. Northeast Ohio Medical University (WSMRF)*  
Abstract 246
- 84 PERINATAL CARE QUALITY REVIEW IN RURAL DISTRICT OF NEPAL.**  
*M Brockwell, B Lamichhane and B Fassl, Rootstown, OH. Northeast Ohio Medical University (WSMRF)*  
Abstract 247
- 85 EVALUATING FAMILY-CENTERED CARE: PARENTS'/CAREGIVERS', ADOLESCENT PATIENTS', AND HEALTH CARE PROVIDERS' PERSPECTIVES.**  
*CB Cook, G Study and A Elliott, Vancouver, BC, Canada. University of British Columbia*  
Abstract 248
- 86 HELPING YOUTH SELF-IDENTIFY MOTIVATIONS AND STRATEGIES TO INCREASE HELMET USE IN KOTZEBUE, ALASKA.**  
*G Denney and T Keys, Seattle, WA. University of Washington School of Medicine*  
Abstract 249
- 87 CW: BIRTH TRAUMA, A REDDIT ANALYSIS.**  
*N Eaton, A Nelson and S White, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)*  
Abstract 250
- 88 WHAT ISSUES DO AMERICAN WOMEN CARRYING BREECH BABIES DISCUSS ON SOCIAL MEDIA?**  
*E Fisher and AL Nelson, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*  
Abstract 251

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>89</b>    <b>PATIENT CHARACTERISTICS OF THOSE SERVED BY A TELEHEALTH MEDICATION ABORTION SERVICE IN 5 U.S. TERRITORIES.</b>  <i>S Gibbons, A Fiastro and E Godfrey, Seattle, WA. University of Washington</i></p>	<p>Abstract 252</p>
<p><b>90</b>    <b>THE EFFECT OF INTERVENTIONAL PROGRAMS TO INCREASE CERVICAL CANCER SCREENING IN MARGINALIZED POPULATIONS.</b>  <i>S Guarina, J Borges, M Kanchrakuntla, A Myoung, I Padhi, C Pham, V Velazquez and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)</i></p>	<p>Abstract 253</p>
<p><b>91</b>    <b>ASSESSING NURSING PERSPECTIVES ON SURGICAL CO-MANAGEMENT IN PEDIATRICS.</b>  <i>R Gupta, D Lehman, J Zamkoff, M Brittan and S Ziniel, Aurora, CO; Palo Alto, CA. Children's Hospital Colorado University of Colorado School of Medicine (WAFMR)</i></p>	<p>Abstract 254</p>
<p><b>92</b>    <b>MODERN DISCUSSIONS ON SOCIAL MEDIA SURROUNDING OOCYTE CRYOPRESERVATION.</b>  <i>MC Hammi, L Moskalensky, AL Nelson and S Fuchs, Pomona, CA. Western University of Health Sciences</i></p>	<p>Abstract 255</p>
<p><b>93</b>    <b>ENHANCING PAIN MANAGEMENT AND EDUCATION IN DANG, NEPAL: INSIGHTS FROM A COMMUNITY AND HEALTHCARE WORKER NEEDS ASSESSMENT.</b>  <i>J Handra, J Cunningham, S Yu, J Penner, D Sapkota and V Kapoor, Vancouver, BC, Canada; Kathmandu, Nepal. University of British Columbia</i></p>	<p>Abstract 256</p>
<p><b>94</b>    <b>UNDERSTANDING THE BARRIERS AND HESITANCIES TOWARD THE COVID-19 VACCINATION IN A SAFETY-NET HOSPITAL IN PHOENIX, AZ.</b>  <i>B Winfield, A Sainz, J Hilton and M McElhinny, Phoenix, AZ. Creighton University School of Medicine</i></p>	<p>Abstract 257</p>
<p><b>95</b>    <b>MEDICAL STUDENTS' ATTITUDES TOWARDS MEDICOLEGAL RISK IN OBSTETRICS &amp; GYNECOLOGY.</b>  <i>KZ Huynh, AV Thai, TA Pickering and H Stohl, Torrance, CA; Los Angeles, CA; Pomona, CA. Harbor-UCLA Medical Center</i></p>	<p>Abstract 258</p>
<p><b>96</b>    <b>PROMOTING THE USE OF TRADITIONAL INGREDIENTS TO IMPROVE FOOD SECURITY AND HEALTH IN THE BRISTOL BAY AREA REGION.</b>  <i>MT Kaden-Hoffmann and T Keys, Seattle, WA. University of Washington School of Medicine (WAFMR)</i></p>	<p>Abstract 259</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>97</b>    <b>NAVIGATING BREECH: EXTERNAL CEPHALIC VERSION IN MEDICAL EDUCATION.</b>  <i>M Kaye, AL Nelson, F Dong and H Stohl, Pomona, CA; Torrance, CA. Western University of Health Sciences</i></p>	<p>Abstract 260</p>
<p><b>98</b>    <b>COMMUNITY AWARENESS AND INTERVENTION PROMPTS FOR HEMORRHAGE CONTROL IN POWELL, WYOMING.</b>  <i>A Erickson and T Keys, Seattle, WA. University of Washington</i></p>	<p>Abstract 261</p>
<p><b>99</b>    <b>UNLOCKING MEDICAL COMMUNICATION MASTERY: A CREATIVE PATH THROUGH THE MEDICAL IMPROVISATION ELECTIVE.</b>  <i>A Khan, SI Siddiqui and A Hayton, Loma Linda, CA. Loma Linda University Health</i></p>	<p>Abstract 262</p>
<p><b>100</b>    <b>OPTIMIZING THE ORGANIZATION OF FAMILIAL GENETIC TESTING INFORMATION IN AN INHERITED RETINAL DYSTROPHY REGISTRY.</b>  <i>A Kwong, R Boldut, L Armstrong, J Gardiner, L Prentice, P Wokhloo and D Duffy, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital</i></p>	<p>Abstract 263</p>
<p><b>101</b>    <b>BURNED OUT BY THE START OF A NEW YEAR? A CROSS-SECTIONAL ASSESSMENT OF RESIDENT-REPORTED BURNOUT SYMPTOMS AMONG RESIDENTS FROM MULTIPLE PROGRAMS AT A SINGLE INSTITUTION.</b>  <i>W Laguerre, R Taylor, M Tran, K Studer, A Schill-Depew and C Miller, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 264</p>
<p><b>103</b>    <b>BREATHE EASY: IMPROVING SMOKING CESSATION SERVICES FOR PATIENTS EXPERIENCING HOMELESSNESS AT THE WILLOW CLINIC.</b>  <i>BH Luong, J Sujith, C Lin and K Richards, Davis, CA; Sacramento, CA. University of California, Davis</i></p>	<p>Abstract 266</p>
<p><b>104</b>    <b>EXPERIENCE OF ADOLESCENTS WITH CEREBRAL PALSY WITH THE EXERCISERX APP: QUALITATIVE FEEDBACK REGARDING APP USABILITY FOR HOME BASED EXERCISES.</b>  <i>J McCue, D Grenard, T Li, C Reibold, C Leibow and C Lin, Seattle, WA; Minneapolis, MN. University of Washington</i></p>	<p>Abstract 267</p>
<p><b>105</b>    <b>CONTRACEPTION EDUCATION TO ADDRESS TEENAGE PREGNANCY IN TORRINGTON, WYOMING.</b>  <i>HS Mills and T Keys, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 268</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>106 SHIFTING FROM PEER REVIEW TO PEER LEARNING IN THE DEPARTMENT OF RADIOLOGY.</b>  <i>K Nakashima, C Xu, S Park, M Aldoghmi, N Llauro, D Aguilar, S Shieh, A Anavim and R Houshyar, Orange, CA. University of California, Irvine</i></p>	Abstract 269
<p><b>107 CHARACTERIZING THE NEONATAL INTENSIVE CARE UNIT MICROBIOME AND EVALUATING THE ASSOCIATION WITH POSITIVE BLOOD CULTURES.</b>  <i>M Nolan, C Loc-Carrillo, B Chan, M Elkayssi, C Ling, F Drews and P Grubb, Salt Lake City, UT. University of Utah (WSPR)</i></p>	Abstract 270
<p><b>108 TEACHING MEDICAL STUDENTS HOW TO HAVE BRAVE CONVERSATIONS TO PROMOTE UNDERSTANDING.</b>  <i>O Nwankwo, A Ongyiu, G Sajdak, A Hayton and J ChenFeng, Loma Linda, CA; Pasadena, CA. Loma Linda University (WAFMR)</i></p>	Abstract 271
<p><b>109 EVALUATING PATIENT PERCEPTIONS OF SMARTPHONE USE FOR ACTIVE AND PASSIVE COLLECTION OF HEALTH DATA.</b>  <i>CK O'Neill, E Duckworth, R Shah and P Jayakumar, Seattle, WA; Austin, TX. University of Washington</i></p>	Abstract 272
<p><b>110 CHALLENGING TRADITION: COMPARING THE SAFETY AND EFFICACY OF ULTRASOUND-GUIDED PERCUTANEOUS NON-TARGETED LIVER BIOPSY IN THE PEDIATRIC POPULATION: RIGHT VERSUS LEFT LOBE APPROACHES.</b>  <i>ID Overfield, A Turk, X Parry, H Lee, M Liao, J Smith, R Chen, K Cooper, A Cho and D Jin, Loma Linda, CA. Loma Linda University</i></p>	Abstract 273
<p><b>111 PEDIATRIC EDUCATIONAL DISCUSSION SCENARIOS: EMPOWERING RESIDENTS TO COPE WITH DIFFICULT PATIENT ENCOUNTERS AND ADVERSE MEDICAL EVENTS.</b>  <i>C Payne, H Zieve, C Taylor-Lucas, N Shekarabi, M Vasa, V Reddy, K Bauer and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)</i></p>	Abstract 274
<p><b>112 CULTIVATING FOOD SECURITY: AN EXAMINATION OF FOOD ACQUISITION AND SCARCITY IN RURAL NEPAL.</b>  <i>N Price, P Tran, B Lamichhane and B Fassl, Rootstown, OH; Kathmandu, Nepal. Northeast Ohio Medical University</i></p>	Abstract 275

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>113 SALUD CON SABOR: CULTURALLY TAILORED NUTRITION EDUCATION MATERIAL TO EQUIP LATINOS WITH TYPE 2 DIABETES IN MOUNT VERNON, WASHINGTON.</b>  <i>MI Reinhardt and T Keys, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 276</p>
<p><b>114 FIGHTING MEDIA WITH MEDIA: ADDRESSING THE YOUTH MENTAL HEALTH CRISIS IN GILLETTE, WYOMING BY MEETING THEM WHERE THEY'RE AT.</b>  <i>T Robitaille and T Keys, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 277</p>
<p><b>115 STEP 1 TO WELLNESS: A STUDENT-LED RESILIENCE INITIATIVE DURING USMLE STEP 1 STUDYING.</b>  <i>J Butoy, A Rotinsulu and D Tran, Loma Linda, CA. Loma Linda University School of Medicine</i></p>	<p>Abstract 278</p>
<p><b>116 A FRESH TAKE ON FEMININE CARE: DESCRIBING WOMEN'S NON-MENSTRUAL HYGIENE PRACTICES AND PERCEPTIONS.</b>  <i>K Skillman, J Nguyen, M Chen, AL Nelson and L Nguyen, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 279</p>
<p><b>117 AGE FRIENDLY HEALTHCARE IN RAWLINS, WYOMING.</b>  <i>M Stampfli and T Keys, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 280</p>
<p><b>118 THE PREVALENCE OF ANEMIA IN CHILDREN ADMITTED TO THE CHILD MALNUTRITION TREATMENT CENTER IN RURAL INDIA.</b>  <i>M Thumma, N Patel, A Judkins and B Fassl, Rootstown, OH; Salt Lake City, UT; Mota Fofalia, India. Northeast Ohio Medical University</i></p>	<p>Abstract 281</p>
<p><b>119 PROMOTING WOMEN'S HEALTH SCREENING ON THE BLACKFEET RESERVATION.</b>  <i>K Tiersma and T Keys, Seattle, WA. University of Washington, School of Medicine (WSMRF)</i></p>	<p>Abstract 282</p>
<p><b>120 EFFICACY OF EDUCATIONAL INTERVENTION STRATEGIES TO REDUCE RACIAL AND ETHNIC INEQUITIES IN RISK FACTOR CONTROL AFTER STROKE.</b>  <i>C Tsang, S Batongbacal, T Gulati, C Lee, H Li, N Mitchell, A Samiullah and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)</i></p>	<p>Abstract 283</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>121 ASSESSING THE EFFECTIVENESS OF A DIABETES EDUCATIONAL PROGRAM ON COMMUNITY HEALTH PROMOTERS' SELF-RATED UNDERSTANDING OF THE DISEASE IN NAIVASHA, KENYA.</b>  <i>K Yip and D Bosibori, Seattle, WA; Naivasha, Kenya. University of Washington School of Medicine</i></p>	<p>Abstract 284</p>
<p><b>122 SOCIAL MEDIA AND ITS IMPACT ON KNOWLEDGE REGARDING ORAL CONTRACEPTION.</b>  <i>VJ Yu, R Southard and A Nelson, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 285</p>
<p><b>123 MODEL FOR INTEGRATING OPIOID USE DISORDER AND OVERDOSE PREVENTION TRAINING INTO MEDICAL SCHOOL EDUCATION.</b>  <i>F Yusuf, A Sharma, B Crosswhite, D Giuliani, T Abusham, A Dean and F Ibarra, Clovis, CA. California Health Sciences College of Osteopathic Medicine</i></p>	<p>Abstract 286</p>
<p><b>124 PUIPUIA LE OLA: COVID-19 DATA DISSEMINATION WITH PACIFIC ISLANDER COMMUNITIES IN HAWAI'I.</b>  <i>NO Yuzon, JN Ching, A Sy, C Nicholas, T Tauasosi-Posiulai, J Aoki and R Yanagihara, Honolulu, HI; Lebanon, OR. John A. Burns School of Medicine, University of Hawai'i at Mānoa Western University of Health Sciences, College of Osteopathic Medicine of the Pacific-Northwest (WSMRF)</i></p>	<p>Abstract 287</p>
<p><b>125 SEASONALITY OF SURGICAL SITE INFECTION RATES ACROSS A HEALTH SYSTEM.</b>  <i>T Anioke, Y Fei, K Colborn, CM Stuart, MR Bronsert, W Henderson, GL Healy, A Dyas and R Meguid, Aurora, CO. University of Colorado Denver</i></p>	<p>Abstract 288</p>
<p><b>126 DATA DISPLAYS: ASSESSING METHODS OF SHARING QUALITY OF LIFE CHANGES WITH BREAST CANCER PATIENTS.</b>  <i>G Annest, L Helmkamp, S Vemuru, M Adams, M Huey, L Scherer, E Baurle, D Matlock, S Kim, C Lee and S Tevis, Aurora, CO; Chapel Hill, NC. University of Colorado</i></p>	<p>Abstract 289</p>
<p><b>127 CONSEQUENCES OF INCREASING BORDER WALL HEIGHT: A RETROSPECTIVE STUDY.</b>  <i>S Azad, A McCague and A Henken-Siefken, Palm Springs, CA; Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine - Pacific Northwest Desert Regional Medical Center</i></p>	<p>Abstract 290</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>128 AN ANALYSIS OF PUBLICATION TRAJECTORY OF CANADIAN PLASTIC SURGEONS ACROSS DECADES OF PRACTICE.</b>  <i>T Buchel, N Banyi, Y Tuen, S Shayan, R Courtemanche and J Arneja, Vancouver, BC, Canada. The University of British Columbia (WSMRF)</i></p>	<p>Abstract 291</p>
<p><b>129 UNVEILING THE CLINICAL RESPONSE TO PLATELET-RICH PLASMA IN KNEE OSTEOARTHRITIS.</b>  <i>E Constantine, K Williams, K Whitney, R McCarrick-Walmsley, SA Fry and J Drago, Aurora, CO; Denver, CO. University of Colorado School of Medicine</i></p>	<p>Abstract 292</p>
<p><b>130 RETURNING TO GOLF FOLLOWING SPINE SURGERY: PRELIMINARY RESULTS.</b>  <i>K Cooper, A Bansal, V Nemani and PK Louie, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 293</p>
<p><b>131 MISSED DIAGNOSIS OF A RARE RETRO-PATELLAR JUXTA-ARTICULAR ANGIOLEIOMYOMA: A CASE REPORT.</b>  <i>K Ghayyad, J Xavier, NM Sarli, N Golovachev and A Ihsan, Orlando, FL; Izmir, Turkey. AdventHealth</i></p>	<p>Abstract 294</p>
<p><b>132 EFFECTIVENESS OF ARTHROSCOPIC DEBRIDEMENT, TRAPEZIECTOMY, AND JOINT REPLACEMENT FOR THUMB BASAL JOINT OSTEOARTHRITIS: A META-ANALYSIS OF PRE AND POSTOPERATIVE PAIN SCORES.</b>  <i>N Golovachev, NM Sarli, J Xavier, K Ghayyad and A Kachooei, Orlando, FL. AdventHealth, Rothman Orthopaedic Institute</i></p>	<p>Abstract 295</p>
<p><b>133 UNDERSTANDING RISK FACTORS FOR POSITIVE KIDNEY STONE CULTURES AND IMPLICATIONS UPON SURGICAL OUTCOMES.</b>  <i>KA Hanessian, R Crew, G Sajdak, A Farkouh, S Song, Z Okhunov and D Baldwin, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 296</p>
<p><b>134 PREDICTING NASOPHARYNX DISTANCE IN CHILDREN: A PILOT STUDY.</b>  <i>M He, C Huang, M Dorling, A Tobia, J Pauwels and NK Chadha, Vancouver, BC, Canada. University of British Columbia</i></p>	<p>Abstract 297</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>135 ASSOCIATION OF POSTOPERATIVE COMPLICATIONS WITH ATTRIBUTABLE INCREASE IN POSTOPERATIVE LENGTH OF STAY IN A BROAD SURGICAL POPULATION.</b>  <i>GL Healy, CM Stuart, A Dyas, MR Bronsert, R Meguid, T Anioke, RD Schulick and W Henderson, Aurora, CO. University of Colorado School of Medicine</i></p>	<p>Abstract 298</p>
<p><b>136 THE USE OF A PERCUTANEOUS RADIOLUNATE SCREW IN THE TREATMENT OF A DUMONTIER GROUP 1 RADIOCARPAL DISLOCATION.</b>  <i>M Irby, A Manoharan, G DeSilva and D Margolis, Tucson, AZ. University of Arizona College of Medicine Tucson</i></p>	<p>Abstract 299</p>
<p><b>137 A DEDICATED OUTBOUND SCHEDULER IMPROVES CLINIC UTILIZATION AND ACCESS TO CARE.</b>  <i>C Krewson, A Taylor and K Kieran, Seattle, WA; Yakima, WA. Seattle Childrens</i></p>	<p>Abstract 300</p>
<p><b>138 COMPARING THE TREATMENT OF BENIGN PROSTATIC HYPERPLASIA IN UNDERSERVED COMMUNITIES USING BIPOLAR TRANSURETHRAL ENUCLEATION OF THE PROSTATE VERSUS ROBOTIC-ASSISTED SIMPLE PROSTATECTOMY.</b>  <i>U Kim, JF Quines, A Farkouh, AS Amasyali, Z Okhunov and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine</i></p>	<p>Abstract 301</p>
<p><b>139 CONSENSUS GUIDELINES FOR INFECTION REDUCTION IN DEEP BRAIN STIMULATION SURGERY: A MODIFIED DELPHI STUDY.</b>  <i>S Pardakhtim, M Marsans and F Farrokhi, Seattle, WA. Virginia Mason (WSMRF)</i></p>	<p>Abstract 302</p>
<p><b>140 THE RADPAD: COMPARISON OF A NOVEL LEAD-FREE RADIATION PROTECTION DEVICE TO CONVENTIONAL LEAD APRON.</b>  <i>JF Quines, KA Hanessian, A Farkouh, R Crew, U Kim, G Sajdak, D Baldwin, A Amasyali, Z Okhunov and D Baldwin, Loma Linda, CA. Loma Linda University Health</i></p>	<p>Abstract 303</p>
<p><b>141 RADIATION EXPOSURE IN VOIDING CYSTOURETHROGRAMS AND INTRAOPERATIVE CYSTOGRAMS IN CHILDREN WITH VESICoureTERAL REFLUX.</b>  <i>D Roh, S Dwumfour, P Papaioannou, A Farkouh, J Pearce, K Cheng, R Kuang, S Song, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University (WSMRF)</i></p>	<p>Abstract 304</p>
<p><b>142 THE IMPACT OF SOCIAL VULNERABILITY ON AORTIC ARCH SURGERY.</b>  <i>A Shah, AM Carroll, A Suarez-Pierre, JY Rove, C Velopulos, M Aftab and TB Reece, Aurora, CO. University of Colorado School of Medicine</i></p>	<p>Abstract 305</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>143 PATIENTS WITH LUMBAR DEGENERATIVE SPINE DISEASE ARE SATISFIED WITH OUTCOME MEASURE SURVEYS.</b>  <i>J Sheasley and M Dohm, Seattle, WA; Minneapolis, MN. University of Washington School of Medicine</i></p>	<p>Abstract 306</p>
<p><b>144 EMERGENT ABOVE-KNEE-AMPUTATION IN A VASCULOPATHIC PATIENT.</b>  <i>C Shen and C Soria, San Diego, CA. University of California San Diego</i></p>	<p>Abstract 307</p>
<p><b>145 ANALYZING THE ASSOCIATION BETWEEN SOCIAL VULNERABILITY INDEXES AND SURGICALLY UNDERSERVED AREAS IN THE INLAND EMPIRE.</b>  <i>B Shin, MD Wongworawat and M Baum, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 308</p>
<p><b>146 ANATOMICAL VARIATIONS AND FUNCTIONAL CONSIDERATIONS OF QUADRATUS PLANTAE IN RECONSTRUCTIVE FOOT SURGERY.</b>  <i>SK Sidhu and J Atterholt, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 309</p>
<p><b>147 ANALYSIS OF RISK-ADJUSTED SURGICAL OUTCOMES IN THE ACS-NSQIP DEMONSTRATES IMPROVEMENTS OVER TIME.</b>  <i>K Thompson, CM Stuart, MR Bronsert, W Henderson and R Meguid, Aurora, CO. University of Colorado School of Medicine</i></p>	<p>Abstract 310</p>
<p><b>148 A SURVEY ON ENHANCED RECOVERY AFTER SURGERY ELEMENTS IN PEDIATRIC ORTHOGNATHIC SURGERY.</b>  <i>M Vallurupalli, J Fligor and R Vyas, Los Angeles, CA; Orange, CA. Keck School of Medicine of USC University of California, Irvine (WAFMR)</i></p>	<p>Abstract 311</p>
<p><b>149 ORTHOPEDIC INJURY AND INTIMATE PARTNER VIOLENCE; UPPER EXTREMITY FRACTURE PATTERNS: A LITERATURE REVIEW.</b>  <i>RE Willson and H Martinson, Seattle, WA; Anchorage, AK. University of Washington School of Medicine</i></p>	<p>Abstract 312</p>
<p><b>150 AN INNOVATIVE WAY TO UPGRADE PATIENT AND PROVIDER EXPERIENCES: ONE-4-ALL.</b>  <i>SN Wilson, C Mata, M Izere, SN Acker and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus</i></p>	<p>Abstract 313</p>

**Poster  
Number**

**Abstract/Program  
Number**

**151 RATES OF NON-UNION FOLLOWING ARTHRODESIS OF FIRST  
METATARSOPHALANGEAL JOINT: A META-ANALYSIS.**

*J Xavier, C Miller, NM Sarli, N Golovachev, K Ghayyad and A Kachooei, Loma Linda,  
CA; Orlando, FL; Brooklyn, NY. Loma Linda University Rothman Orthopedics*

Abstract 314

**152 ADVERSE EVENTS ASSOCIATED WITH MALE ARTIFICIAL URINARY  
SPHINCTER: A REVIEW OF THE MANUFACTURER AND USER FACILITY  
DEVICE EXPERIENCE DATABASE.**

*J Yazditabar, E Wright and A Cohen, Baltimore, MD. Johns Hopkins University  
(WSMRF)*

Abstract 315

**CONCURRENT SESSIONS**

**Friday, January 19, 2024  
8:00 AM – 10:00 AM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Adolescent Medicine and General Pediatrics I.....Studio 105  
Cardiovascular III.....Promenade Lobby  
Case Reports I .....Carpenter Hall  
Endocrinology and Metabolism II.....Carmel Women’s Club  
Gastroenterology.....Babcock #6  
Genetics I.....Rehearsal Room  
Neonatology – General III.....All Saints Church, Seccombe Hall  
Neonatology – Perinatal Biology I.....Chapman #4  
Surgery III .....Room 5, Sunset Center  
Translational Science.....Conductor's Room**

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**Adolescent Medicine and General Pediatrics II**

Studio 105 (Sunset Center)

*Kathleen Hannan and Diane E. Stafford, Presiding*

**8:00 SCREENING AND INTERVENTION FOR ADOLESCENT OPIOID USE  
DISORDER IN THE EMERGENCY DEPARTMENT.**

*C Buresh, Seattle, WA. Seattle Children's Hospital University of Washington*

Abstract 316

**8:15 PARENTS' PERCEPTIONS OF SOCIAL NEEDS SCREENING AFTER  
PEDIATRIC HOSPITAL DISCHARGE.**

*A Hollo, N Mason, R Gupta, J Gambino, J Thomas and M Brittan, Denver, CO; Aurora,  
CO. University of Colorado*

Abstract 317

**8:30 DO SPORTS PREPARTICIPATION EVALUATIONS FOR PEDIATRIC  
PATIENTS FOLLOW RECOMMENDATIONS FROM THE AMERICAN  
ACADEMY OF PEDIATRICS.**

*T Ng, J Magee-Gonzalez, S Taylor and U Shaikh, Sacramento, CA. UC Davis Health*

Abstract 318

**8:45 REVOLUTIONIZING ADOLESCENT HUMAN IMMUNODEFICIENCY VIRUS  
SCREENING: PAVING THE WAY FOR POINT OF CARE TESTING IN  
PEDIATRIC CLINICS.**

*M Abutouk, G Pina and R Davidge, Loma Linda, CA. Loma Linda University*

Abstract 319

**9:00 PARENT PERSPECTIVES ON PEDIATRIC INTERVENTIONS TO ADDRESS ADVERSE CHILDHOOD EVENTS.**

*J Mangunsong and A Marie-Mitchell, Loma Linda, CA. Loma Linda University*

Abstract 320

**9:15 NAVIGATING IDENTITY DEVELOPMENT AND PSYCHOLOGICAL ADAPTATION IN ADOLESCENTS WITH GENETIC CONDITIONS: CONSIDERATIONS FOR GENETIC COUNSELLING AND ADOLESCENT MEDICINE.**

*T Wainstein, J Austin and A Elliott, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital Research Institute (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 321

**9:30 PROLACTA BIOMEDICAL STATE-OF-THE-ART LECTURE: TRANSITION TO ADULT CARE.**

*Michael Hughes, Stanford University*

**Cardiovascular III**

Promenade Lobby (Sunset Center)

*Joshua Goldhaber, Presiding*

**8:00 THE OUTCOME OF BIOPSY NEGATIVE REJECTION AFTER HEART TRANSPLANTATION: DOES SEVERITY OF BNR MATTER?**

*J Hu, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 322

**8:15 DOES DONOR DIABETES LEAD TO POOR OUTCOME AFTER HEART TRANSPLANT?**

*R Patel, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 323

**8:30 5-YEAR OUTCOME AFTER CORONARY STENT PLACEMENT IN HEART TRANSPLANT RECIPIENTS.**

*C Cristobal, T Singer-Englar, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 324

**8:45 CONCOMITANT CELL-FREE DNA AND DONOR SPECIFIC ANTIBODIES: DO THEY PREDICT OUTCOMES AFTER HEART TRANSPLANT?**

*J Kermanshahchi, T Singer-Englar, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)*

Abstract 325

**9:00 IMPACT OF ANTHROPOMETRIC FACTORS AND PATHWAY GEOMETRY ON POSTOPERATIVE HEMODYNAMICS IN EXTERNAL PERICARDIAL**

**LATERAL TUNNEL FONTAN SURGERY.**

*K Nguyen, J Razzouk, S Nageotte, J Lee, A Razzouk and R Fortuna, Loma Linda, CA.  
Loma Linda University School of Medicine*

Abstract 326

**9:15 EFFECTS OF GENERAL ANESTHESIA ON LEFT VENTRICULAR SYSTOLIC FUNCTION.**

*H Arif, F Li, S Jelacic and B Mackensen, Seattle, WA. University of Washington School of Medicine*

Abstract 327

**9:30 ASSOCIATION OF NEIGHBORHOOD-LEVEL SOCIAL DETERMINANTS OF HEALTH AND LOSS OF GLYCEMIC CONTROL DURING THE COVID-19 PANDEMIC.**

*B Sedaghat, A Kwan, T Huang and J Ebinger, North Chicago, IL; Los Angeles, CA.  
Rosalind Franklin University - Chicago Medical School (WSMRF)*

Abstract 328

**9:45 INFECTIVE ENDOCARDITIS AFTER TRANSCUTANEOUS AORTIC VALVE REPLACEMENT (TAVR): HIGHLIGHTING THE NEED FOR REVISED ANTIBIOTIC PROPHYLAXIS GUIDELINES.**

*H Hajeh, VK Narang, J Abraham and T Win, Bakersfield, CA. Kern Medical*

Abstract 329

**Case Reports I**

Carpenter Hall

*W. Conrad Liles, Presiding*

**8:00 SOFT TISSUE CALCIFICATIONS, END-ORGAN RESISTANCE TO MULTIPLE HORMONES, AND COMPLEX INHERITANCE PATTERNS IN A MULTIGENERATIONAL FAMILY.**

*A Hall, G Akay, D Viskochil and SL Cole, Salt Lake City, UT. University of Utah School of Medicine*

Abstract 330

**8:15 H3F3B-RELATED NEURODEGENERATIVE DISORDER: A NEW CASE REPORT.**

*L Chilakamarri and GM Enns, Palo Alto, CA. Stanford University*

Abstract 331

**8:30 MENKE'S DISEASE: AN OVERVIEW OF THE PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT.**

*KL Eckert, MM Martin and JJ Shen, Sacramento, CA. UC Davis*

Abstract 332

**8:45 EXPANDING THE PHENOTYPE OF FUMARATE HYDRATASE DEFICIENCY.**

*AM Sule, L Calderwood and DR Matalon, Palo Alto, CA. Stanford University*

Abstract 333

- 9:00 NAVIGATING SOTOS SYNDROME: A COMPLEX CASE WITH PERSISTENT GASTROINTESTINAL AND ENDOCRINE CHALLENGES.**  
*S Basharkhah, D Luz and M Li, Chicago, IL; Stanford, CA. Rush Medical College*  
 Abstract 334
- 9:15 CARBONIC ANHYDRASE DEFICIENCY IN A NEONATE: A CASE REPORT.**  
*E Null, L Keehan, L Forero Zapata, DR Matalon and GM Enns, Palo Alto, CA. Stanford University*  
 Abstract 335
- 9:30 FAMILIAL PARTIAL DELETION WILLIAMS SYNDROME - A CASE REPORT.**  
*K Parashar, LM Bird and M del Campo, San Diego, CA. UCSD Rady Children's Hospital*  
 Abstract 336
- 9:45 A CASE OF CONGENITAL GLAUCOMA: EXPANDING THE PHENOTYPE OF USP9X-ASSOCIATED NEURODEVELOPMENTAL DISORDER.**  
*ER Vieta-Ferrer and Y Huang, Los Angeles, CA. UCLA*  
 Abstract 337

## **Endocrinology and Metabolism II**

Carmel Women's Club  
*Shan H. Luo, Presiding*

- 8:00 LOOKING BEYOND BODY MASS INDEX: A PILOT STUDY EXAMINING THE IMPACT OF ADIPOSITY ON FEMALE HEALTH.**  
*AM Ward, L Nunez, A Aguiar Bonfim Cruz, AF Brown and B Fehrenkamp, Moscow, ID. University of Idaho University of Washington School of Medicine*  
 Abstract 338
- 8:15 ANALYSIS OF INFLAMMATORY MARKERS IN RESPONSE TO INDUCTION OF REPROMETABOLIC SYNDROME BY A EUCALORIC HIGH FAT DIET IN NORMAL WEIGHT WOMEN.**  
*T Nguyen, K Kuhn, M Bolt, A Bradford and N Santoro, Aurora, CO. University of Colorado School of Medicine*  
 Abstract 339
- 8:30 HYPOTHALAMIC GLIOSIS IS ASSOCIATED WITH MULTIPLE CARDIOVASCULAR DISEASE RISK FACTORS.**  
*J Lo, SJ Melhorn, A Huang, S Kee, K Olerich and E Schur, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WAFMR)*  
 Abstract 340
- 8:45 "DIETARY SUPPLEMENT USE IN INFANTS AND TODDLERS IN THE EXTRAORDINARY BABIES STUDY".**  
*E Todd, S Davis, M Brown and N Tartaglia, Aurora, CO. Children's Hospital Colorado*  
 Abstract 341

**9:00 AGRP NEURON INACTIVATION INDUCES SUSTAINED AMELIORATION OF HYPERGLYCEMIA IN DIABETIC LEP<sup>OB/OB</sup> MICE.**

*Y Gou, M Glat, A Leung, BA Phan, C Bryan, SA Mathan, V Damian, PP Choi, CA Watts, E Quah, IK Redford, J Scarlett, G Morton and M Schwartz, Seattle, WA. University of Washington Medicine Diabetes Institute*

Abstract 342

**9:15 A CASE OF NODULAR CYSTIC FAT NECROSIS AFTER WHIPPLE PROCEDURE.**

*JL Wittmann, I Mannering and J Shackelton, Reno, NV. University of Nevada, Reno School of Medicine*

Abstract 343

**9:30 ROLE OF IKBB IN THE PANCREATIC INFLAMMATORY RESPONSE TO NUTRIENT-INDUCED STRESS.**

*M Solar, A White, CJ Wright and P Rozance, Denver, CO. University of Colorado Anschutz Medical Campus*

Abstract 344

**9:45 CAN THERMAL IMAGING ASSIST IN EARLY DETECTION OF DIABETIC SMALL FIBER NEUROPATHY?**

*E Duran-Valdez, P Soliz, S Saint-Lot, T Duro and DS Schade, Albuquerque, NM. University of New Mexico*

Abstract 345

**Gastroenterology**

Babcock #6 (Sunset Center)

*John Inadomi and Hal Yee, Presiding*

**8:00 CHARACTERIZING THE INTESTINAL CHONDROITIN SULFATE GLYCOSAMINOGLYCAN SULFATION CODE IN INFLAMMATORY BOWEL DISEASE.**

*K Francis, H Zheng, DL Suskind, BA Phan, M Nuding, G Morton, M Schwartz, K Alonge and J Scarlett, Seattle, WA. Seattle Children's Hospital University of Washington (WAP/WSCI Travel Award Winner)*

Abstract 346

**8:15 AN ODD PRESENTATION OF DYSPHAGIA DUE TO PERICARDIAL EFFUSION.**

*H Ipalawatte, A Ahl, A Gower and J Takher, Thousand Oaks, CA. HCA Los Robles Regional*

Abstract 347

**8:30 A PILOT STUDY INVESTIGATING THE EFFECTS OF HUMAN MILK ON INTESTINAL IMMUNE DEVELOPMENT IN A NEONATAL PIGLET MODEL.**

*R Badger, L Nunez and B Fehrenkamp, Seattle, WA; Moscow, ID. University of Washington School of Medicine University of Idaho (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 348

- 8:45 NATIVE SPLENOCAVAL SHUNT IN A CIRRHOTIC PATIENT.**  
*M Oliinik and J Floresca, Loma Linda, CA. Loma Linda University*  
 Abstract 349
- 9:00 BODY COMPOSITION AND PEDIATRIC OBESITY AND METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE USING MAGNETIC RESONANCE IMAGING AND ELASTOGRAPHY.**  
*AM Dong, TR Adamos, S Kafali, S Shih, T Delgado-Esbenshade, S Mohpatra, J Li, S Ghahremani, HH Wu and KL Calkins, Los Angeles, CA. UCLA*  
 Abstract 350
- 9:15 MONOMICROBIAL NON-NEUTROCYTIC BACTERASCITES CAUSED BY ATYPICAL ESBL ESCHERICHIA COLI AND SPONTANEOUS BACTERIAL PERITONITIS PROPHYLAXIS.**  
*W Li, K Vongbunyong and N Park, Irvine, CA. UC Irvine*  
 Abstract 351
- 9:30 A DEADLY TRIAD: METASTATIC ESOPHAGEAL ADENOCARCINOMA WITH ALPHA-FETOPROTEIN PRODUCTION, LIVER CAPSULAR TEAR AFTER NEEDLE BIOPSY, AND SPONTANEOUS SOLID TUMOR LYSIS SYNDROME.**  
*S Uddin, L Guerrero, B Mann and T Jestila, Bakersfield, CA. Kern Medical Center*  
 Abstract 352
- 9:45 DETERMINING LONG-TERM HEALTH AND NUTRITIONAL OUTCOMES OF CHILDREN WHO COMPLETED TREATMENT IN A CHILD MALNUTRITION CENTER FOR SEVERE ACUTE MALNUTRITION.**  
*AM Ruf, D Arredondo, MF Butt, H Panchal, P Pathak, S Patel, H Malkan, K Yadav, N Patel, A Judkins and B Fassl, Rootstown, OH; Bharuch, India; Mota Fofalia, India; Salt Lake City, UT. Northeast Ohio Medical University*  
 Abstract 353

## Genetics I

Rehearsal Room (Sunset Center)

*Bianca Russell and Jennifer Schymick, Presiding*

- 8:00 A MULTI-OMICS APPROACH TO THE CHARACTERIZATION OF A NOVEL REPEAT EXPANSION IN FAM193B IN A FAMILY WITH OCULOPHARYNGODISTAL MYOPATHY.**  
*C Reuter, S Fazal, T Jensen, J Gorzynski, S Marwaha, D Bonner, J Kohler, R Mendez, I Voutos, S Emami, E Kravets, K Smith, P Goddard, R Ungar, U Network, MC Danzi, E Ashley, J Sampson, JA Bernstein, S Zuchner, S Montgomery and M Wheeler, Stanford, CA; Miami, FL. Stanford Center for Undiagnosed Diseases*  
 Abstract 354
- 8:15 MECHANISMS OF SPINY MOUSE DNA METHYLATION IN KIDNEY REGENERATION AT THE CELLULAR LEVEL.**

*ME Wessels, JB Gere, K Suh, DM Okamura, SJ Collins, A Tsai, MW Majesky and E Nguyen, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 355

**8:30 A SYNDROME OF TRAUMA-INDUCED HEMIPARESIS CAUSED BY R1349Q MUTATION OF CACNA1A.**

*SR Brown and M Willis, San Diego, CA. Naval Medical Center San Diego*

Abstract 356

**8:45 GENETIC TESTING FOR NEONATAL SEIZURES: A NECESSARY DIAGNOSTIC TOOL?**

*K Heringman and J Gold, San Diego, CA. University of California San Diego*

Abstract 357

**9:00 A NEW FAMILY WITH A NOVEL C.515DEL HSPB8-ASSOCIATED MYOPATHY WITH CARDIOMYOPATHY.**

*J Tan, H Duong, Y Awad and V Kimonis, Pomona, CA; Irvine, CA. Western University of Health Sciences (WSMRF)*

Abstract 358

**9:15 SOLAMEN SYNDROME: SEGMENTAL EXACERBATION OF PTEN HAMARTOMA SYNDROME IN A 2-YEAR-OLD MALE WITH A GERMLINE PTEN VARIANT AND A SECOND SOMATIC MOSAIC PTEN EVENT.**

*A Hoover, V Chang, S Bottomley, E Grossman, A Iqbal, S Upadhyay, J Martinez-Agosto and B Russell, Los Angeles, CA; Pismo Beach, CA; Santa Barbara, CA. UCLA*

Abstract 359

**9:30 PARENT NARRATIVES PROVIDE PERSPECTIVES ON THE EXPERIENCE OF CARE IN TRISOMY 18.**

*R Bierer, J Mladucky, R Anderson and JC Carey, Salt Lake City, UT; Murray, UT. University of Utah (WSPR)*

Abstract 360

**9:45 MODELING HAILEY-HAILEY DISEASE IN HUMAN ORGANOTYPIC EPIDERMIS TO UNDERSTAND ITS PATHOGENESIS AND IDENTIFY NOVEL THERAPEUTIC STRATEGIES.**

*CJ Tam, J Ayers, A Tiwaa, M Sarkar, JE Gudjonsson and CL Simpson, Seattle, WA; Ann Arbor, MI. University of Washington University of Washington (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*

Abstract 361

**Neonatology General III**

All Saints Church, Seccombe Hall

*Robert Christensen and Michael Cookson, Presiding*

**8:00 CHARACTERISTICS OF VERY LOW BIRTH WEIGHT INFANTS PRESENTING WITH ABNORMAL NEUROLOGICAL EXAMINATION AT NICU DISCHARGE.**

*H Thirumalai, S Manickam, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine of USC*

**8:15 DEVELOPING A MODERN MODEL FOR ASSESSING PARENT AND INFANT STRESS RESPONSE IN THE NICU THROUGH USING BIOSPHYSICAL DATA COLLECTION THROUGH WEARABLE DEVICES.**

*E Garavatti, DS Ondusko, C McEvoy and K Mackiewicz-Seagate, Portland, OR. Oregon Health and Science*

Abstract 363

**8:30 VEDANG LONDHE STATE-OF-THE-ART SPEAKER:  
CONFLICTING PRIORITIES OF NEONATAL IMMUNITY AND  
DEVELOPMENTAL BIOLOGY.**

*Lawrence Prince, Lucile Packard Children's Hospital Stanford*

**9:00 EVIDENCE OF NEURONAL LOSS/DAMAGE AND ANAEROBIC METABOLISM IN THE BRAINS OF NEONATES WITH SEVERE HYPOXIC ISCHEMIC BRAIN INJURY.**

*B Batin, R Jalal, B Bartnik-Olson, A Barajas Terrones, UE Oyoyo and P Kim, Loma Linda, CA. Loma Linda University*

Abstract 364

**9:15 FULL-TIME, DEDICATED TELENEO CRITICAL CARE SERVICE REDUCES CONNECTION TIMES, REDUCES TRANSFERS, AND IMPROVES NEWBORN PATIENT CARE – FIRST YEAR RESULTS.**

*SD Minton, E Zinkhan, R Valencia, M Halgren, JC Cox and E O'Brien, Murray, UT; Salt Lake City, UT. Intermountain Health University of Utah*

Abstract 365

**9:30 BANKED TERM UMBILICAL CORD BLOOD TO MEET THE RED BLOOD CELL TRANSFUSION NEEDS OF EXTREMELY-LOW GESTATIONAL-AGE NEONATES: A FEASIBILITY ANALYSIS.**

*TR Christensen, TM Bahr, RK Ohls, J Krong, L Carlson, ER Henry, M Sheffield, E Gerday, SJ Ilstrup, W Kelley and RD Christensen, Murray, UT; Salt Lake City, UT. Intermountain Healthcare*

Abstract 366

**9:45 PREDICTORS AND NEONATAL OUTCOMES ASSOCIATED WITH PRENATAL MATERNAL SUBSTANCE USE IN VERY PRETERM INFANTS.**

*MA Chang, A Alag, M Biniwale, L Barton, R Ramanathan and R Cayabyab, Los Angeles, CA. Los Angeles General Medical Center University of Southern California*

Abstract 367

## Neonatology - Perinatal Biology I

Chapman #4 (Sunset Center)

*Geoanna Bautista and Alison Chu, Presiding*

**8:00 MODE OF RESPIRATORY MANAGEMENT OF PRETERM LAMBS AFFECTS LONG-TERM NEUROBEHAVIOR OUTCOMES AND INSULIN-LIKE GROWTH FACTOR-1 EXPRESSION AND EPIGENETIC PROFILE IN THE HIPPOCAMPUS.**

*M Simmons, X Ke, E Dawson, D Headden, S Bowen, A Rebentisch, J Van Boerum, J Beachy, D Null, MJ Dahl, RH Lane and K Albertine, Salt Lake City, UT; Kansas City, MO; Springfield, MA. University of Utah*

Abstract 368

**8:15 PIEZO1 IN SMOOTH MUSCLE CELLS SUPPORT INTESTINAL EPITHELIAL GROWTH AND ADAPTATION IN A MURINE MODEL OF SMALL BOWEL OBSTRUCTION.**

*G Bautista, N Sweeney, S McElroy and MG Martin, Los Angeles, CA; Sacramento, CA. University of California, Davis University of California, Los Angeles (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)*

Abstract 369

**8:30 L-ALANYL-L-GLUTAMINE INFUSION INTO FETAL SHEEP ACTIVATES REGULATORS OF SKELETAL MUSCLE PROTEIN SYNTHESIS.**

*HE Stacey, EI Chang, CS Painter, EC Eroglu, LM Calero Herrera, S Wesolowski, P Rozance, NB Barooni, CE McCurdy and LD Brown, Aurora, CO; Eugene, OR; Los Fresnos, Peru. University of Colorado*

Abstract 370

**8:45 NET-INHIBITORY PEPTIDES INCREASE PLACENTAL AND FETAL GROWTH IN MOUSE MODEL OF HYPERTENSIVE DISEASE OF PREGNANCY.**

*F Strnad, M Tristao, C de Araujo, A Brown, M Wieben, M Cody, L Owen, C Fung, and CC Yost, Salt Lake City, UT. University of Utah (WSPR Prolacta Bioscience Research Award)*

Abstract 371

**9:00 ASSESSING THE EFFECTS OF BREASTMILK AND FORMULA ON NEONATAL IMMUNE DEVELOPMENT USING A PIGLET MODEL.**

*J Richter, S Keele, L Nunez, Y Chen, M Fox, A Childress and B Fehrenkamp, Moscow, ID. University of Washington School of Medicine*

Abstract 372

**9:15 INCIDENCE OF PREGNANCY COMPLICATIONS WITH AND WITHOUT BIOLOGIC USE IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE: A RETROSPECTIVE STUDY.**

*M Puri and S McCartney, Seattle, WA. University of Washington (WSMRF)*

Abstract 373

**9:30 FRED BATTAGLIA STATE-OF-THE-ART SPEAKER:  
GENES MODULATING THE RISK FOR PERINATAL HYPOXIC-ISCHEMIC  
ENCEPHALOPATHY.**  
*Raul Chavez-Valdez, Johns Hopkins University*

**Surgery III**

Room 5 (Sunset Center)  
*Subhas Gupta, Presiding*

**8:00 IMPROVING READABILITY AND ACCESSIBILITY OF POST-OPERATIVE  
INSTRUCTIONS IN BREAST RECONSTRUCTION USING CHAT GPT.**

*EA Small, PF Carlson, LE Thomas and S Gupta, Loma Linda, CA. Loma Linda University  
Abstract 374*

**8:15 IS IT POSSIBLE TO IDENTIFY PATIENTS AT RISK FOR BREAST IMPLANT  
ILLNESS? A COMPREHENSIVE CHART REVIEW.**

*LE Thomas, PF Carlson, EA Small and S Gupta, Loma Linda, CA. Loma Linda University  
(WAFMR)*

*Abstract 375*

**8:30 EVALUATING THE AGING LARYNX IN F344 BROWN NORWAY RATS.**

*K Adcock, M Aboueisha, Z Jaleel, D Cvancara and N Bhatt, Seattle, WA. University of  
Washington School of Medicine*

*Abstract 376*

**8:45 THE SYMPTOM SPECTRUM OF GLOTTIC INSUFFICIENCY AND  
LARYNGOPHARYNGEAL REFLUX IN THE AGING POPULATION.**

*A Vacaru, M Feng, A Adebawale, K Bahjri, P Krishna and B Crawley, Loma Linda, CA.  
Loma Linda University School of Medicine*

*Abstract 377*

**9:00 NOVEL LATERAL TUNNEL FONTAN PROCEDURE IN CHILDREN  
PROMOTES CONTINUED PATHWAY GROWTH INTO ADULTHOOD.**

*M Marciniak, J Razzouk, J Tran, G Jutzy and R Fortuna, Loma Linda, CA. Loma Linda  
University*

*Abstract 378*

**9:15 DIVING DEEPER: DOES DEEP LEARNING RECONSTRUCTION IMPROVE  
SUBJECTIVE CT IMAGE QUALITY IN PATIENTS WITH METAL  
HARDWARE?**

*R Crew, J Smith, A Farkouh, M Kassir, B Escobar-Poni, K Cheng, JH Chung, S Song, U  
Kim, JF Quines, G Sajdak, KA Hanessian, Z Okhunov, A Amasyali, D Baldwin, K Oberg  
and D Baldwin, Loma Linda, CA. Loma Linda University Health*

*Abstract 379*

**9:30 SUBCHONDRAL RAFTING WIRES MAY PREVENT TIBIAL PLATEAU  
FRACTURE SUBSIDENCE.**

*JT Patterson, D Rusu, A Duong, V Satish, M Yang and L Mayer, Los Angeles, CA. Keck  
School of Medicine of USC*

*Abstract 380*

- 9:45 SILICON MEETS SURGERY: THE AI-DRIVEN EVOLUTION OF PLASTIC SURGERY RESEARCH.**  
*KR McMath and S Gupta, Loma Linda, CA. Loma Linda University Health*  
 Abstract 381
- Translational Science**  
 Conductor's Room  
*Kerby Oberg, Presiding*
- 8:00 A PAIR OF CONSERVED FOX/SOX BINDING SITES ARE ESSENTIAL FOR GARR-MEDIATED REGULATION OF GDF5.**  
*Y Lee, R Yeboah, J Phillips, C Pira and K Oberg, Loma Linda, CA. Loma Linda University*  
 Abstract 382
- 8:15 ETS TRANSCRIPTION FACTOR PROTEINS REGULATE LHX2-ASSOCIATED SUBAER REGULATORY MODULES.**  
*E Vyhmeister, J Britton, C Pira and K Oberg, Loma Linda, CA. Loma Linda University*  
 Abstract 383
- 8:30 LMX1B BOUND CIS-REGULATORY MODULES ASSOCIATED WITH GDF5 THAT LACK LMX1B BINDING SITES HAVE WEAK ENHANCER ACTIVITY.**  
*J Phillips, R Yeboah, C Pira, Y Lee and K Oberg, Loma Linda, CA. Loma Linda University*  
 Abstract 384
- 8:45 THE ROLE OF LIPASE MATURATION FACTOR 1 IN MULTIFACTORIAL CHYLOMICRONEMIA SYNDROME.**  
*P Chen, X McCleary and M Peterfy, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
 Abstract 385
- 9:00 FUNCTIONAL ANALYSIS OF MISSENSE MUTATIONS IN LIPASE MATURATION FACTOR 1 IN FAMILIAL CHYLOMICRONEMIA SYNDROME.**  
*H Samara and M Peterfy, Pomona, CA. Western University of Health Sciences, COMP*  
 Abstract 386
- 9:15 EFFECTS OF N-ACETYLCYSTEINE AND CYCLIC PEPTIDE R4W4 COMBINATION TREATMENT ON MYCOBACTERIUM AVIUM SURVIVAL.**  
*KC Sasaninia, M Kelley, A Badaoui, A Mohan, R Tiwari and V Venketaraman, Pomona, CA; Kansas City, MO; Irvine, CA. Western University of Health Sciences*  
 Abstract 387
- 9:30 FULLERENE GALLIUM PHOSPHONATE SHOWS ANTIMYCOBACTERIAL EFFECT AGAINST MYCOBACTERIUM AVIUM.**  
*S Yoon, KC Sasaninia, M Kelley, A Mohan, X Bi, M Baudry, V Venketaraman and P Butzloff, Pomona, CA; Irvine, CA. Western University of Health Sciences*  
 Abstract 388

**9:45 GSK3B/NF-KB DEPENDENT TRANSCRIPTIONAL REGULATION OF HOMEOSTATIC HEPATOCYTE *TNF* PRODUCTION.**

*M Grayck, WC McCarthy, M Solar, E Golden, L Zheng, N Bala, L Sherlock and CJ Wright, Aurora, CO. CU Anschutz*

Abstract 389

**CONCURRENT SESSIONS**

**Friday, January 19, 2024**

**10:15 AM – 12:30 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Behavior, Development and Psychology I .....Chapman #4**  
**Diversity, Equity and Inclusion Research II.....Promenade Lobby**  
**Healthcare Delivery Research III.....Babcock #6**  
**Hematology and Oncology II.....Carpenter Hall**  
**Infectious Diseases II.....Carmel Women’s Club**  
**Morphogenesis and Malformations.....Rehearsal Room**  
**Neonatology – General IV.....All Saints Church, Seccombe Hall**  
**Neonatology Perinatal Biology II.....Conductor’s Room**  
**Nephrology and Hypertension.....Green Room**  
**Neuroscience II.....Studio 105**  
**Surgery IV .....Room 5, Sunset Center**

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**Behavior, Development and Psychology I**

Chapman #4 (Sunset Center)

*Allison Dempsey and Anisha Srinivasan, Presiding*

**10:15 HEALTHCARE INEQUITIES IN TREATMENT OF AUTISM SPECTRUM  
DISORDER: A LITERATURE REVIEW.**

*J Zhu, J Chen, F Law, K Li, C Nguyen, D Sam, S Vellanki and B Afghani, Irvine, CA;  
Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 390

**10:30 CHANGES IN COGNITION AND MOOD FOLLOWING SLEEP EXTENSION IN  
ADOLESCENTS WITH HABITUALLY INSUFFICIENT SLEEP.**

*M Schrage, A Bernard, E Cooper, S Holtman, M Cree-Green, K Wright, KJ Nadeau and S  
Simon, Aurora, CO; Parker, CO; Boulder, CO. Rocky Vista University*

Abstract 391

**10:45 PROMOTING ACCESSIBILITY TO HEALTHCARE WITH PROCEDURES.**

*TE Bregman, VK Ma, KH Owens, E Roseborough, V Tuss and RS Akins, Sacramento,  
CA. University of California Davis*

Abstract 392

**11:00 ROBIN HANSEN STATE-OF-THE-ART SPEAKER IN BEHAVIOR, DEVELOPMENT AND PSYCHOLOGY: OUTCOME MEASURES FOR TREATMENT STUDIES IN NEURODEVELOPMENTAL DISORDERS: WHERE THE RUBBER MEETS THE ROAD.**

*David Hessel, University of California Davis*

**11:30 EXTRAORDINARY BABIES STUDY: PROFILE OF EARLY EXECUTIVE FUNCTIONING SKILLS IN TODDLERS WITH SEX CHROMOSOME TRISOMY.**

*J Janusz, G Lal, TG Thompson, R Wilson, S Davis, J Ross and N Tartaglia, Aurora, CO; Wilmington, DE. Children's Hospital Colorado University of Colorado School of Medicine*

Abstract 393

**11:45 THE EXTRAORDINARY BABIES STUDY: PARENTING STRESS IN FAMILIES WITH A PRENATAL DIAGNOSIS OF SEX CHROMOSOME TRISOMIES, 36-MONTH-OLD FOLLOW-UP.**

*R Wilson, S Davis, TG Thompson, C Peterson, S Howell and N Tartaglia, Aurora, CO. University of Colorado School of Medicine*

Abstract 394

**12:00 A MULTIVARIABLE ANALYSIS OF PSYCHOSOCIAL RISK FACTORS IN PEDIATRIC RENAL TRANSPLANT PATIENTS.**

*S Ashley, A Chandnani, Z Arcona, E Christofferson, K Monin, C Sevick, VM Vemulakonda, M Bock, J Walker and C Buchanan, Denver, CO; St. Louis, MO; Chattanooga, TN; Columbus, OH. University of Colorado School of Medicine*

Abstract 395

**12:15 SOCIAL FACTORS PREDICTING PRE-LINGUISTIC SKILLS IN INFANTS BORN PRETERM.**

*S Pesantez, M Lazarus, VA Marchman and HM Feldman, Stanford, CA. Stanford University (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 396

**Diversity, Equity, and Inclusion Research II**

Promenade Lobby (Sunset Center)

*Anthony Lim, Presiding*

**10:15 NEURODEVELOPMENTAL OUTCOMES IN NICU GRADUATES BORN TO MOTHERS WITH NON-ENGLISH LANGUAGE OF PREFERENCE.**

*MP Martes Gomez, M Vu, N Nghiem and C Mirzaian, Los Angeles, CA. Los Angeles General Medical Center/Keck School of Medicine of USC/CHLA (WAP/WSCI Travel Award Winner)*

Abstract 397

- 10:30 CHRONIC PAIN AND INTEGRATIVE MANAGEMENT EXPERIENCES AMONG ASIAN INDIVIDUALS: A QUALITATIVE STUDY.**  
*K Tu, A Johnson and S Tong, Seattle, WA. University of Washington*  
Abstract 398
- 10:45 IS BYSTANDER INTERVENTION TRAINING EFFECTIVE IN MITIGATING SEXUAL MISCONDUCT?**  
*E Kim, K Jara Hidalgo, F Dong, J Silberger and C Prasad, Portland, OR; Pomona, CA; Lebanon, OR. Western University of Health Sciences*  
Abstract 399
- 11:00 IMPACT OF CANNABIS LEGALIZATION ON MATERNAL HEALTH DISPARITIES.**  
*S Tamatam, L Becerra, E Gould, A Roble, R Nguyen, C Okemkpa, J Laughter and R Ceasar, Pomona, CA; Los Angeles, CA; Fullerton, CA. Western University of Health Sciences University of Southern California*  
Abstract 400
- 11:15 EDUCATION LEVEL AND HEALTHCARE EXPERIENCES AMONG BLACK PATIENTS IN THE EMERGENCY DEPARTMENT: A CROSS SECTIONAL STUDY.**  
*F Messele, L Meller, C Makar, A Aijaz, M Gebreyes, C Okeke, C Taylor-Lucas and S Saadat, La Jolla, CA; Irvine, CA. UC Irvine School of Medicine*  
Abstract 401
- 11:30 FINDINGS FROM A PILOT STUDY ON COMBATTING SEXUAL HARASSMENT/GENDER DISCRIMINATION IN THE MEDICAL PROFESSION.**  
*OI Fuson, B Beatty, F Dong, J Silberger, K Chiriboga, M LaPlante and C Prasad, Portland, OR; Pomona, CA. Oregon Health & Science University*  
Abstract 402
- 11:45 PIONEERING A FRESH APPROACH TO RADIOLOGY DIVERSITY AND INCLUSION.**  
*S Park, M Aldoghmi, CN Danza, J Meraz, D Aguilar, E Ho, G Cortes and R Houshyar, Orange, CA. University of California, Irvine*  
Abstract 403
- 12:00 SOCIAL DETERMINANTS OF HEALTH SCREENING TOOL RESPONSES IN THE NEONATAL INTENSIVE CARE UNIT.**  
*S Edwards, S Khaki and L Gievers, Portland, OR. Oregon Health & Science University (WSMRF)*  
Abstract 404
- 12:15 EXPLORING DISPARITIES IN DERMATOLOGY MATCH RATES FOR WOMEN AND UNDERREPRESENTED POPULATIONS: AN ANALYSIS OF TRENDS BETWEEN 2015-2022.**

*EA Small, Z Brandt, D Kearns, AB Fay and MD Wongworawat, Loma Linda, CA. Loma Linda University*

Abstract 405

### **Healthcare Delivery Research III**

Babcock #6 (Sunset Center)

*Maralyssa Bann, Presiding*

#### **10:15 COST-EFFECTIVENESS ANALYSIS: EARLY LEAK DETECTION AFTER UPPER INTESTINAL OR GASTRIC SURGERY AT UNIVERSITY OF CALIFORNIA, IRVINE HEALTH.**

*SR Wignarajah, P Hassani, E Ho, C Shu, C Fateri, R Sabour, M Gerges and R Houshyar, Orange, CA. University of California Irvine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 406

#### **10:30 IS BLOOD GLUCOSE RELATED TO THE OUTCOME OF TRAUMATIC BRAIN INJURY AT THE DISCHARGE OF INPATIENT REHABILITATION?**

*A Tan, S Fanchiang, T Friedman and B Jordan, Los Angeles, CA; Downey, CA. Charles R. Drew University Rancho Los Amigos*

Abstract 407

#### **10:45 IMPLEMENTATION OF AN ADAPTED DIALECTICAL BEHAVIOR THERAPY PROGRAM AND EFFECTS ON ACUTE SERVICE USE: A QUALITY IMPROVEMENT INITIATIVE.**

*P Ng, Y Zhang, S Kim and M Smit, Vancouver, BC, Canada; Surrey, BC, Canada. University of British Columbia (WAFMR/WAP/WSCI Outstanding Resident Award) (WSMRF)*

Abstract 408

#### **11:00 CHILD LIFE SPECIALISTS FOR PEDIATRIC BURN WOUND CARE.**

*Z Kore, R Courtemanche, Y Tuen, J Nixon, G Kwong, Y Shen, P Knight and S Hynes, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 409

#### **11:15 PHARM2HOME INITIATIVE: CLINICAL SERVICES AT YOUR HOME.**

*C Young, S Wong and A Ajmal, Vallejo, CA. Touro University California*

Abstract 410

#### **11:30 EVALUATING AFFORDABILITY OF TELEHEALTH MEDICATION ABORTION SERVICES IN CALIFORNIA, UNITED STATES.**

*S Gibbons, L Ebadani, A Fiastro and E Godfrey, Seattle, WA. University of Washington University of Washington*

Abstract 411

#### **11:45 EFFECTIVENESS OF A NOVEL SCHOOL-BASED DIABETES PREVENTION PROGRAM: A POST-IMPLEMENTATION ANALYSIS OF AROGYA WORLD HEALTHY SCHOOL PROGRAM, INDIA 2015-2022.**

*N Rajeshuni, M Huynh, S Mahajan, A Bacong, A Mukherji, N Jaswal, S Ramalingam, N Ganesh, S Pahwa, N Saligram and L Palaniappan, Stanford, CA; Irvine, CA; Rochester,*

NY; Bengaluru, India. *Stanford University School of Medicine (WAP/WSCI Travel Award Winner)*

Abstract 412

**12:00 RADIOLOGY-DRIVEN PULMONARY NODULE CLINIC REFERRALS: WORKFLOW AND COST OF CLINICAL IMPLEMENTATION.**

*M Aldoghmi, K Nakashima, C Shu, M Gerges, D Aguilar, S Park, S Shieh, R O'Connell and R Houshyar, Irvine, CA. University of California, Irvine*

Abstract 413

**12:15 COMPARISON OF A NOVEL GENERALIZED DEEP LEARNING MODEL TO A TRADITIONAL SUPERVISED MODEL FOR LIVER AND SPLEEN SEGMENTATION ON ABDOMEN AND PELVIS COMPUTED TOMOGRAPHY.**

*CN Danza, G Cortes, C Chantaduly, AT Wu, R Sabour, J Jung, C Shu, E Ho, K Law, P Chang and R Houshyar, Irvine, CA. University of California, Irvine*

Abstract 414

**Hematology and Oncology II**

Carpenter Hall

*Thomas Deloughery and Jorge Nieva, Presiding*

**10:15 PROPOSING A NEW STANDARD HEMOGLOBIN VALUE DISTRIBUTION CURVE IN EFFORTS TO IMPROVE DIAGNOSIS AND TREATMENT OF ANEMIA IN HIGH ALTITUDE NEPALESE POPULATIONS.**

*L Pozo, A Ghimire, A Judkins and B Fassl, Rootstown, OH; Namche Bazaar, Nepal. Northeast Ohio Medical University (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 415

**10:30 CHARACTERIZING PSYCHOLOGICAL RESOURCES AND RESILIENCE IN PATIENTS WITH BLADDER CANCER: ASSOCIATIONS WITH FRAILTY, MENTAL HEALTH, AND QUALITY OF LIFE.**

*E Petersen, S Holt, A Browning, S Jannat, D Cavanaugh, J Wright, J Gore, G Schade and S Psutka, Seattle, WA; New York, NY. University of Washington*

Abstract 416

**10:45 THE EFFECT OF MCT4 INHIBITOR CB-2A ON PD-L1 EXPRESSION IN TRIPLE-NEGATIVE BREAST CANCER.**

*V Kattunga, Y Wu and K Wu, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAP/WSCI Travel Award Winner)*

Abstract 417

**11:00 EVALUATING THE INCIDENCE OF FEVER FOLLOWING VINCRISTINE ADMINISTRATION IN PEDIATRIC PATIENTS.**

*T Lehman, S Uppala, J Jarman, A Bou Fakhreddine and MM Al-Rahawan, Lubbock, TX. Texas Tech University Health Sciences Center*

Abstract 418

**11:15 RATE OF PEDIATRIC RED BLOOD CELL ALLOIMMUNIZATION IS COMPARABLE TO ADULTS.**  
*B Bharani and N Saifee, Seattle, WA. University of Washington*  
Abstract 419

**11:30 MIRNAS-LINKED TO ONCOGENES IN OVARIAN HIGH-GRADE VERSUS LOW-GRADE SEROUS CARCINOMA.**  
*S Schiff, J Muinde, C Carter and S Khan, Loma Linda, CA. Loma Linda University*  
Abstract 420

**11:45 ENIGMA/PDLIM7 INTERACTS DIFFERENTIALLY IN THYROID CANCER SIGNALING PATHWAYS.**  
*C Robins, K Rood, R Laxa, C Yamauchi, G Gomez, K Sanchez-Ruiz, A Khan, S Mirshahidi, A Simental and S Khan, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*  
Abstract 421

**12:00 CREATING A PICTURE BOOK TO INCREASE CANCER KNOWLEDGE IN UGANDA CANCER INSTITUTE'S PEDIATRIC POPULATION.**  
*K Dank, Seattle, WA; Kampala, Uganda. University of Washington Uganda Cancer Institute - Fred Hutchinson (WSMRF)*  
Abstract 422

**12:15 STAGE IV NASAL DEDIFFERENTIATED LEIOMYOSARCOMA WITH OSTEOSARCOMA COMPONENT WITH METASTASIS TO CAVERNOUS SINUS AND LUNGS: A RARE CASE REPORT.**  
*S Sahadevan, NC Trang and A Mehboob, Bakersfield, CA. Adventist Health Bakersfield*  
Abstract 423

## **Infectious Diseases II**

Carmel Women's Club

*Fred Buckner and Arash Heidari, Presiding*

**10:15 WALR PROTEIN-DNA INTERACTIONS AS A NEW ANTIMICROBIAL TARGET SUGGESTED BY CHARACTERIZATION OF DNA-BINDING SITE MUTANTS.**  
*J Vainshtein, M Romero and H Szurmant, Pomona, CA. Western University of Health Sciences (WSMRF)*  
Abstract 424

**10:30 CHANGES IN THE ANTIVIRAL ANTIBODY REPERTOIRE ASSOCIATED WITH SUBSEQUENT HIV ACQUISITION.**  
*V Lawrence, S Dasgupta, T Stevens-Ayers, L Joncas-Schronce, R Basom, J Lama, A Duerr and R Bender Ignacio, Seattle, WA; Lima, Peru. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*  
Abstract 425

**10:45 INTEGRATING MULTIPLEXING INTO DIGITAL HIGH-RESOLUTION MELT FOR RAPID AND ACCURATE UNIVERSAL CROSS-KINGDOM PATHOGEN DETECTION IN LOW VOLUME WHOLE BLOOD SAMPLES.**

*T Goshia, M Sinha, SM Lawrence and S Fraley, La Jolla, CA; Santa Clara, CA; Salt Lake City, UT. UCSD MelioLabs, Inc (WAP/WSCI Travel Award Winner)*

Abstract 426

**11:00 ACTIVATION INDUCED MARKER SORTING OF TREPONEMA PALLIDUM SPECIFIC CD4+ T CELLS.**

*L Culver, CD Godornes, DM Koelle and TB Reid, Seattle, WA. University of Washington Medical School*

Abstract 427

**11:15 ROLE OF THP-1 CELLS IN CONTROLLING *M. AVIUM* INFECTION.**

*A Badaoui, M Kelley, KC Sasaninia, A Mohan, R Tiwari and V Venketaraman, Pomona, CA; Kansas City, MO; Irvine, CA. Western University of Health Sciences*

Abstract 428

**11:30 HEPATITIS C CARE CONTINUUM AMONG PEOPLE WHO INJECT DRUGS IN KING COUNTY, WA.**

*J Ebersberger, JI Tsui, M Corcorran and S Glick, Seattle, WA. University of Washington School of Medicine*

Abstract 429

**11:45 CHARACTERISTICS OF PEDIATRIC COVID-19 INFECTIONS IN HAWAII.**

*S Tadaki, K Len, A Siu, C Kimata and J Kosut, Honolulu, HI. Hawai'i Pacific Health*

Abstract 430

**12:00 SURFACTANT COMPONENT SUPPRESSES STAPHYLOCOCCUS AUREUS TOXIN EXPRESSION.**

*S Shomento, T Borgogna and J Voyich, Bozeman, MT. UW School of Medicine (WSMRF)*

Abstract 431

**12:15 THE ROLE OF JAIL TESTING IN THE PUBLIC HEALTH RESPONSE TO SYPHILIS IN KING COUNTY, WASHINGTON.**

*T Buck, L Herrera Perales, A Berzkalns, E Barash, MR Golden and JC Dombrowski, Seattle, WA. University of Washington School of Medicine*

Abstract 432

**Morphogenesis and Malformations**

Rehearsal Room (Sunset Center)

*Anita E. Beck and Matthew A. Deardorff, Presiding*

**10:15 STATE-OF-THE-ART SPEAKER:  
ADVANCES IN TREATMENT OF FRAGILE X SYNDROME AND FXTAS.**

*Randi J. Hagerman, University of California Davis*

**10:45 A PROMOTOR VARIANT IN *WNT9B* IS A CANDIDATE IN A CASE WITH FEMORAL FACIAL SYNDROME.**

*A Rope*, C Marvin, J Chong, K Buckingham, K Shively and M Bamshad, South San Francisco, CA; Seattle, WA. *Genome Medical*

Abstract 433

**11:00 PALLISTER-HALL SYNDROME: A SEVERE NEONATAL TALE STEMMING FROM AN UNEXPECTED MOSAIC TRAIL.**

*JP Ramos*, J Schymick, P Calvert and DR Matalon, San Jose, CA; Palo Alto, CA. *Stanford University (WSPR Prolacta Bioscience Research Award)*

Abstract 434

**11:15 MYRF-RELATED CARDIAC-UROGENITAL SYNDROME CASE REPORT AND REVIEW OF LITERATURE.**

*A Gomes* and LM Bird, San Diego, CA. *University of California San Diego*

Abstract 435

**11:30 FRAGILE X SYNDROME DUE TO A RARE FMRI SEQUENCE VARIANT.**

*L Keehan*, C Hale, DG Fisk, N Dykzeul, SA Scott and CG Tise, Stanford, CA; Palo Alto, CA. *Stanford University*

Abstract 436

**11:45 MULTIPLE CONGENITAL ANOMALIES AND GENOTYPE-PHENOTYPE CORRELATIONS IN KAT6A SYNDROME: A CASE REPORT AND REVIEW OF THE LITERATURE.**

*P Calvert*, M Van Andel, L Keehan, DR Matalon and J Schymick, San Jose, CA; Stanford, CA. *Santa Clara Valley Medical Center (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 437

**12:00 A RARE SYNDROME NOW PRENATALLY SEEN, DUE TO VARIANTS IN THE DPH1 GENE.**

*E Dunn*, CM Smith and DR Matalon, Palo Alto, CA. *Stanford University (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 438

**12:15 DIFFERENTIAL DNA METHYLATION DRIVES ALLELIC EXPRESSION FOR IMPRINTED GRB10-DDC LOCUS IN THE DEVELOPING HEART.**

*A Juan*, Y Foong, J Thorvaldsen, C Rosier, C Krapp and M Bartolomei, Philadelphia, PA; Palo Alto, CA. *University of Pennsylvania Stanford University (WSPR Outstanding Resident Research Award)*

Abstract 439

**Neonatology General IV**

All Saints Church, Seacombe Hall

*Timothy M. Bahr and Meera N. Sankar, Presiding*

**10:15 NEURODEVELOPMENTAL OUTCOMES IN INFANTS EXPOSED TO MATERNAL COVID-19 DURING PREGNANCY.**

VM Fajardo, F Ferreira, T Fuller, M Cambou, *J Mohole*, T Kerin, S Paiola, R Rao, D Zhang, P Marschik, S Iyer, K Kesavan, J Britto, M Moreira, P Brasil and K Nielsen-Saines, Los Angeles, CA; Rio De Janeiro, Brazil; Heidelberg, Germany; Rio De Janeiro, Brazil. *David Geffen UCLA School of Medicine*

Abstract 440

**10:30 CLINICAL CHARACTERISTICS OF NEONATES BORN LESS THAN 32 WEEKS GESTATIONAL AGE TO MOTHERS WITH MENTAL ILLNESS IN AN URBAN NEONATAL INTENSIVE CARE UNIT.**

*A Alag, MA Chang, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. University of Southern California*

Abstract 441

**10:45 JOAN HODGMAN STATE-OF-THE-ART SPEAKER: RESUSCITATION: THE WHAT, THE WHERE, AND THE HOW.**

*Sara Handley, The Children's Hospital of Philadelphia*

**11:15 EFFECTS OF SURFACTANT ADMINISTRATION PROCEDURAL COMPLICATIONS ON OUTCOMES IN NEWBORN INFANTS.**

*EE Feliz Sala, JK Sandhu, S Siddiqui, M Biniwale and R Ramanathan, Los Angeles, CA. University of Southern California/ Los Angeles General Medical Center*

Abstract 442

**11:30 ACCURACY OF DOCUMENTED NEONATAL RESUSCITATION INTERVENTIONS PERFORMED ON PRETERM INFANTS USING DELIVERY ROOM VIDEO RECORDING.**

*AR Anumula and A Katheria, San Diego, CA. Sharp Mary Birch (WSPR Prolacta Bioscience Research Award)*

Abstract 443

**11:45 PATOGENS AND IN-HOSPITAL OUTCOMES IN NEONATES WITH SEPSIS REQUIRING EXTRACORPOREAL LIFE SUPPORT.**

*M Puia-Dumitrescu, ZC Billimoria, KM Sullivan, R Rao, R Chapman, B Mahmood, I Zaniletti, N Rintoul, R Seabrook, S Hamrick, S Keene, S Gowda, NR Carr and R DiGeronimo, Seattle, WA; St Louis, MO; Pittsburgh, PA; NA, CO; Philadelphia, PA; NA, OH; Atlanta, GA; NA, TX; Salt Lake City, UT; Wilmington, DE; NA, CA. Seattle Children's Main Hospital (WSPR Prolacta Bioscience Research Award)*

Abstract 444

**12:00 COMPARISON OF OUTCOMES OF INFANTS ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT WHO NEEDED PHARMACOLOGIC INTERVENTION TO COMPLETE MAGNETIC RESONANCE IMAGING PROCEDURE COMPARED TO THOSE WHO REQUIRED ONLY NON-PHARMACOLOGIC MEASURES.**

*H Qamar, S Siddiqui, R Ramanathan and R Cayabyab, Los Angeles, CA. University of Southern California/Los Angeles General Medical Center*

Abstract 445

**12:15 RISK OF CEREBRAL PALSY IN VARIOUS TREATMENTS OF PATENT DUCTUS ARTERIOSUS.**

*BJ Cacho, H Jennings and D Deming, Loma Linda, CA. Loma Linda University*

Abstract 446

## Neonatology Perinatal Biology II

Conductor's Room

*Jane Stremming and Alicia White, Presiding*

### **10:15 CIRCULATING AND PLACENTAL GROWTH DIFFERENTIATION FACTOR-15 ARE SIGNIFICANTLY ALTERED IN PREGNANCIES COMPLICATED BY OBESITY.**

*JA Hermel, F Zeng, DD Flannery, S Mukhopadhyay, AZ Barboza, M Pfeifer, S Lazar, K Fisch, V Cheung, M Parast and E Sajti, San Diego, CA; Philadelphia, PA; La Jolla, CA. UC San Diego and Rady Children's Hospital*

Abstract 447

### **10:30 INTER-MUSCLE DIFFERENCES IN MICROVASCULAR ARCHITECTURE WITHIN SKELETAL MUSCLE OF THE GROWTH RESTRICTED FETUS.**

*T Dear, EI Chang, SI Al-Juboori, D Strode, S Jonker, P Rozance, J Stremming, E Dobrinskikh and LD Brown, Aurora, CO; Portland, OR. University of Colorado School of Medicine (WSPR)*

Abstract 448

### **10:45 EXPRESSION OF THE MECHANOSENSITIVE ION CHANNEL PROTEIN PIEZO1 IS DIRECTLY ASSOCIATED WITH THE DEVELOPMENT OF EXPERIMENTAL NEONATAL SEPSIS.**

*NJ Jain, A Cera, M Persiani, V Lopez, A Rudko, S McElroy and G Bautista, Sacramento, CA. University of California Davis School of Medicine (WSMRF)*

Abstract 449

### **11:00 INSULIN ACTIVATES MUSCLE PROTEIN SYNTHESIS REGULATORS IN ISOLATED MYOFIBERS FROM FETAL SHEEP.**

*CS Painter, HE Stacey, J Stremming, LD Brown and EI Chang, Aurora, CO. University of Colorado*

Abstract 450

### **11:15 MATERNAL TOBACCO SMOKE EXPOSURE INDUCES PLACENTAL ZONE AND SEX DEPENDENT CHANGES IN EPIGENETIC MEDIATORS OF LCPUFA METABOLISM.**

*A Bartholomew, W Chidester, S Levaratto, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 451

### **11:30 INFLUENCE OF LONG-TERM, INTRAUTERINE HYPOXIA ON CALCIUM SPARKS IN MIDDLE CEREBRAL ARTERIAL MYOCYTES OF FETAL SHEEP.**

*N Nelapudi, M Boskind, L Zhang, A Blood, CG Wilson, J Puglisi and S Wilson, Loma Linda, CA; Elk Grove, CA. Loma Linda University School of Medicine*

Abstract 452

### **11:45 PIEZO1 IN THE DEVELOPING GUT IS INVERSELY RELATED TO POSTNATAL AGE IN NEONATAL MICE.**

*V Lopez, M Persiani, NJ Jain, A Rudko, A Cera, S McElroy and G Bautista, Sacramento, CA. University of California Davis Children's Hospital*

Abstract 453

**12:00 THE PROTECTIVE USE OF CUTANEOUS VAGUS NERVE STIMULATION (VNS) IN AN EXPERIMENTAL NECROTIZING ENTEROCOLITIS (NEC) MODEL IN RAT PUPS.**

*ME Baker, GD Mladenov, A Radulescu and CG Wilson, Loma Linda, CA. Loma Linda University Health*

Abstract 454

**12:15 ALBUMIN-MEDIATED HYDROGEN SULFIDE SCAVENGING: MECHANISTIC INSIGHTS FROM IN VITRO INVESTIGATIONS. (WSMRF)**

*A Duot, M Zhang, T Liu and A Blood, Loma Linda, CA. Loma Linda University*

Abstract 455

**Nephrology and Hypertension**

Green Room (Sunset Center)

*Charles Edelstein, Presiding*

**10:15 A CASE OF PRIMARY MUTATION UNTREATED AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE.**

*IS Ike, L Okumoto and G Petersen, Miramar, FL; Bakersfield, CA. Kern Medical*

Abstract 456

**10:30 THROMBOSPONDIN TYPE-1 DOMAIN 7A (TSHD7A) MEMBRANOUS NEPHROPATHY: RAPID REMISSION AFTER OBINUTUZUMAB (TYPE II ANTI-CD20) TREATMENT.**

*SC Jordan and M Haas, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 457

**10:45 CHALLENGES OF HYPONATREMIA IN A PATIENT WITH SIADH WITH RESET OSMOSTAT.**

*N Kamal, E Davtyan and S Eppanapally, Bakersfield, CA. Kern Medical*

Abstract 458

**11:00 TURNING THE KIDNEY INTO A LYMPHOID ORGAN.**

*D Atwood, Z He and C Edelstein, Aurora, CO. University of Colorado (WAP)*

Abstract 459

**11:15 RIDING THE WAVE OF GENETIC TEST ORDERING IN NEPHROLOGY: EXPERIENCES FROM A GENETIC COUNSELOR-LED RENAL GENETICS CLINIC.**

*M Dutra-Clarke, C Rome and B Russell, Los Angeles, CA. UCLA Health*

Abstract 460

**11:30 LASER-GUIDED RENAL ACCESS FOR KIDNEY STONE SURGERY: A COMPARISON TO CONVENTIONAL FLUOROSCOPIC RENAL ACCESS.**  
*GM Sajdak, A Rotinsulu, A Farkouh, M Buell, AS Amasyali, R Leu, K Shete, C Ware, V Gentry, S Song, C De Guzman and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 461

**11:45 PAGE KIDNEY, AN INCIDENTAL FINDING WHILE EVALUATING PERINEPHRIC HEMATOMA.**  
*R Sharma, T Yanni and L Moosavi, Bakersfield, CA; Los Angeles, CA. Kern Medical Center David Geffen School of Medicine*

Abstract 462

**12:00 RENAL REPLACEMENT THERAPY DECREASES MORTALITY IN ALCOHOL-ASSOCIATED LIVER AND KIDNEY FAILURE: A BRIDGE TO SURVIVAL.**  
*CS Kulig, KJ Nadeau and CC Kulig, Denver, CO; Aurora, CO. George Washington High School*

Abstract 462A

**Neuroscience II**  
Studio 105 (Sunset Center)  
*Jerome Graber, Presiding*

**10:15 PEDIATRIC POSTERIOR FOSSA TUMOR TREATMENT AFFECTS THALAMIC VOLUME, MEMORY, AND PROCESSING SPEED.**  
*BJ Shin, SH O'Neil, S Dhanani and M Baron Nelson, Joplin, MO; Los Angeles, CA; Palo Alto, CA. Kansas City University Children's Hospital Los Angeles*

Abstract 463

**10:30 THE RESPONSES OF MOTOR NEURON AND OLIGODENDROCYTE PROGENITORS AFTER SPINAL CORD INJURY.**  
*Y Zhou, K Arena and B Appel, Aurora, CO. University of Colorado School of Medicine (WSMRF)*

Abstract 464

**10:45 PHYSICAL REHABILITATIONS WITH EVIDENCE OF OUTPERFORMING STANDARD OF CARE FOR TREATING CHRONIC TRAUMATIC BRAIN INJURY SYMPTOMS – A SYSTEMATIC REVIEW.**  
*M Rhodes and TR Wood, Seattle, WA. University of Washington*

Abstract 465

**11:00 RACIAL DISPARITIES IN THE TREATMENT OF CHILDREN WITH MODERATE TO SEVERE MIGRAINES.**  
*K Dingle, R Arumani, E Bae, L Ceja Ruiz, P Kankanala, M Leal, S Saraf and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 466

**11:15 ASSOCIATION BETWEEN TYPE II DIABETES MELLITUS AND THE DEVELOPMENT OF PARKINSON'S DISEASE.**  
*S Jugnundan, F Weaver, T Caroline, B Gonzalez, K Colletta and S Goldman, San Francisco, CA; Hines, IL; Chicago, IL; San Francisco, CA. UCSF (WAP/WSCI Travel Award Winner)*

Abstract 467

**11:30 LATE ONSET COBALAMIN C DISEASE IN AN ADOLESCENT PATIENT OF MIXTECO ANCESTRY AND RESPONSE TO TREATMENT.**

*H Navea, E Hoyt, S Fraser and S Ehrreich, Madera, CA. Valley Children' Healthcare*

Abstract 468

**11:45 SUCCESSFUL TREATMENT OF CHIARI IDIOPATHIC INTRACRANIAL HYPERTENSION SYNDROME WITH DURAL VENOUS SINUS STENT AFTER VENTRICULOPERITONEAL SHUNT: A CASE REPORT.**

*S Rauser, E Lee, M Wilson and E Hawy, Loma Linda, CA. Loma Linda University*

Abstract 469

**12:00 NEONATAL INFLAMMATION AND NEAR-TERM WHITE MATTER MICROSTRUCTURE IN INFANTS BORN PRETERM.**

*K Anderson, M Lazarus, L Bruckert, R Poblaciones, M Scala, VA Marchman, HM Feldman and KE Travis, Palo Alto, CA. Stanford University School of Medicine*

Abstract 470

**12:15 A RETROSPECTIVE CHART REVIEW ASSESSING THE OUTCOMES OF DURAL SINUS VENOUS STENTING IN IDIOPATHIC INTRACRANIAL HYPERTENSION PATIENTS.**

*E Lee, S Rauser, M Wilson and E Hawy, Loma Linda, CA. Loma Linda University*

Abstract 471

#### **Surgery IV**

Room 5 (Sunset Center)

*Subhas Gupta, Presiding*

**10:15 THE IMPACT OF STERILIZING IRRIGANTS ON THE TENSILE STRENGTH OF SILICONE BREAST IMPLANTS: A COMPARATIVE STUDY FOR INTRAOPERATIVE USE.**

*LE Thomas, PF Carlson, EA Small and S Gupta, Loma Linda, CA. Loma Linda University (WAFMR)*

Abstract 472

**10:30 CHARACTERIZATION OF THE MICROBIAL POPULATION IN INFECTIONS PRODUCING FAILED BREAST CANCER RECONSTRUCTION.**

*PF Carlson, LE Thomas, EA Small and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 473

**10:45 WHICH IS THE MOST ACCURATE METHOD FOR ASSESSING STONE VOLUME: ENTERPRISE IMAGING, 3D-SLICER, OR SCALENE ELLIPSOID FORMULA?**

*G Sajdak, D Baldwin, A Farkouh, KA Hanessian, U Kim, JF Quines, R Crew, Z Okhunov, AS Amasyali and D Baldwin, Loma Linda, CA; Collegedale, TN. Loma Linda University Medical School*

Abstract 474

**11:00 ANALYZING SUPERVISED MACHINE LEARNING MODELS FOR PREDICTION OF ENDOLEAKS FOLLOWING ENDOVASCULAR AORTIC ANEURYSM REPAIR.**

*D Roh, AJ Cabrera, R Mezan, RT Tomihama and SC Kiang, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 475

**11:15 PRENATAL ULTRASOUND RISK FACTORS PREDICTIVE OF POSTERIOR URETHRAL VALVES.**

*PA Cooper, S Lin, A Farkouh, R Kuang, T Thaipejr, J Pearce, S Song, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 476

**11:30 INVESTIGATING PATIENT EXPECTATIONS, SATISFACTION, AND PATIENT-REPORTED OUTCOMES FOLLOWING SPINE SURGERY.**

*K Edalati, PL Wilson, A Bansal and PK Louie, Seattle, WA. Virginia Mason Franciscan Health University of Washington School of Medicine*

Abstract 477

**11:45 ANTEGRADE PYELOPERFUSION FOR PERCUTANEOUS THERMAL ABLATION OF RENAL MASSES.**

*M Oliinik and J Smith, Loma Linda, CA. Loma Linda University*

Abstract 478

**12:00 DOES CHATGPT RECOMMEND THE APPROPRIATE TREATMENTS FOR SIMPLE AND COMPLEX UROLOGIC CONDITIONS?**

*JF Quines, U Kim, R Crew, KA Hanessian, A Farkouh, S Song, K Cheng, A Amasyali, Z Okhunov and D Baldwin, Loma Linda, CA. Loma Linda University Health*

Abstract 479

**12:15 RISK FACTORS ASSOCIATED WITH HOSPITAL READMISSION FOLLOWING KIDNEY STONE SURGERY.**

*KA Hanessian, R Crew, G Sajdak, A Farkouh, S Song, Z Okhunov, AS Amasyali and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 480

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**COFFEE AND DESSERT BUFFET**

**1:00-1:30 PM**

*Carmel Women's Club*

**JOINT PLENARY SESSION**

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

*Carmel Women's Club*

**Friday, January 19, 2024**

**1:30 PM – 4:15 PM**

*Fred Buckner, David Stevenson, and Nicole Tartaglia, Presiding*

**1:30 EDWIN E. OSGOOD AWARD**

**INEQUITIES IN END-OF-LIFE HEALTHCARE UTILIZATION FOR PATIENTS WITH ADVANCED CANCER AND LIMITED ENGLISH PROFICIENCY.**

*A Ferguson and R Sharma, Seattle, WA. University of Washington School of Medicine*

Abstract 481

**1:45 WAFMR OUTSTANDING INVESTIGATOR AWARD**

**GLYCEMIC CONTROL, NEIGHBORHOOD SOCIOECONOMIC ENVIRONMENT AND THE DEVELOPING BRAIN.**

*SH Luo, E Hsu, B Belcher and MS Kim, Los Angeles, CA. University of Southern California*

Abstract 482

**2:00 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD**

**BABE 2: BREASTFEEDING AND ANTENATAL BREAST MILK EXPRESSION VIA ELECTRIC BREAST PUMP VERSUS HAND EXPRESSION: RANDOMIZED CONTROL TRIAL.**

*D Liu, M Estafanous, C Richardson, Y Choi, S Son, M Louis, R Lorson, O Bello Adejugba and E Hart, Loma Linda, CA. Loma Linda University*

Abstract 483

**2:15 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD**

**SERIAL ECHOCARDIOGRAM ASSESSMENTS OF PULMONARY HEMODYNAMICS AND RIGHT VENTRICULAR HYPERTROPHY IN INFANT RATS WITH EXPERIMENTAL BRONCHOPULMONARY DYSPLASIA DUE TO ANTENATAL ENDOTOXIN.**

*P Dias Maia, G Seedorf, T Gonzalez, E Bye, BS Frank, E Mandell and SH Abman, Aurora, CO. University of Colorado (WSPR)*

Abstract 484

**2:30 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD  
REPLACEMENT INSULIN DURING IGF-1 INFUSION INCREASES GROWTH  
IN FETAL SHEEP.**

*J Stremming, EI Chang, A White, NB Barooni, CE McCurdy, P Rozance and LD Brown,  
Aurora, CO; Eugene, OR. University of Colorado (WSPR)*

Abstract 485

**3:00 WSPR STANLEY WRIGHT MEMORIAL LECTURE  
USING THE EXPOSOME TO DEVELOP NOVEL BIOMARKERS FOR AUTISM  
SPECTRUM DISORDER.**

*Arora Manish, Mount Sinai School of Medicine*

**3:30 WSPR PRESIDENTIAL LECTURE  
THE AMAZING TEEN BRAIN.**

*Jay Giedd, University of California San Diego*

**4:00 WSPR ABBOTT NUTRITION JOSEPH ST. GEME Jr. EDUCATION AWARD**

**Presenter:** *David Stevenson, Stanford University*

**Recipient:** *David Viskochil, University of Utah*

**4:15 ADJOURN**

**4:15 WSPR BUSINESS MEETING**

*Nicole Tartaglia and Shanlee Davis, Presiding - All WSPR Members Are Invited*

**4:15 WAFMR WELCOME RECEPTION**

*David Stevenson, Presiding*

*All WAFMR Members Are Invited – Sunset Center – Chapman Room*

**CONCURRENT SESSIONS**

**Saturday, January 20, 2024**

**8:00 AM – 10:00 AM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Case Reports II.....Chapman Room#4  
Congenital Heart Disease.....Conductor's Room  
Diversity, Equity and Inclusion Research III.....Room 5, Sunset Center  
Endocrinology and Metabolism III.....Green Room  
Genetics II .....Rehearsal Room  
Healthcare Delivery Research IV – Medical Education .....Babcock #6  
Neonatology – General V.....Carpenter Hall  
Neonatology – Perinatal Biology III... .....Studio 105  
Pulmonary and Critical Care II.....Promenade Lobby**

**Case Reports II**

Chapman #4 (Sunset Center)

*W. Conrad Liles, Presiding*

**8:00 GASTROINTESTINAL VASCULAR MALFORMATIONS IN TURNER SYNDROME: A CASE TO CONSIDER SCREENING FOR RECTAL BLEEDING.**  
*TN Christensen, G Akay, J Palumbos and D Viskochil, Salt Lake City, UT. University of Utah*

Abstract 486

**8:15 A SEVERE CASE OF REACTIVE INFECTIOUS MUCOCUTANEOUS ERUPTION ASSOCIATED WITH TWO POSSIBLE TRIGGERS: CORONAVIRUS AND GROUP A STREPTOCOCCUS.**  
*I Rodriguez, A Kwong and S Worswick, Los Angeles, CA. Keck School of Medicine of USC*

Abstract 487

**8:30 PERSISTENT PULMONARY HYPERTENSION IN PREMATURE INFANT WITH PROLONGED PATENCY OF THE DUCTUS ARTERIOSUS.**  
*GA Lorusso Vivas, M Adie, B Siassi and R Ramanathan, Los Angeles, CA. Los Angeles General Medical Center*

Abstract 488

**8:45 WHEN SYMPTOMS DECEIVE: A CASE OF FUNCTIONAL NEUROLOGIC SYMPTOM DISORDER DISGUISED AS STROKE.**  
*K Ghadiya, P Athwal, L Johar, iL Bustamante, S Nwebbeh, T Yomi, C Covenas, V Civelli and J Uy, Bakersfield, CA. Clinica Sierra Vista - Rio Bravo Family Medicine Residency Program*

Abstract 489

**9:00 ORBITAL OSTEOMYELITIS AND PERIORBITAL ABSCESS DUE TO COCCIDIOIDOMYCOSIS FOLLOWING TRAUMA.**

*G Hayashi, N Pardo, NM Hirsh and V Vijayan, Madera, CA; Clovis, CA. Valley Childrens Healthcare*

Abstract 490

**9:15 A CASE OF NASAL VESTIBULITIS AS SOURCE OF SEPTIC THROMBOPHLEBITIS OF LEFT OPHTHALMIC VEIN.**

*NC Trang, R Rahimi and S Mishra, Bakersfield, CA. Kern Medical*

Abstract 491

**9:30 HYPERTENSIVE URGENCY IN A 4-YEAR-OLD GIRL.**

*J Chau, P Khalessi Hosseini, S Nagle, B Patel and G Kim, Los Angeles, CA. Los Angeles General Medical Center*

Abstract 492

**9:45 A CASE OF HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS SECONDARY TO SALMONELLA TYPHI INFECTION.**

*P Sran-Samran and S Gandham, Madera, CA. Valley Children's Hospital*

Abstract 493

**Congenital Heart Disease**

Conductor's Room

*Rowena Cayabyab and Hemananda Muniraman, Presiding*

**8:00 NEONATES WITH CRITICAL CONGENITAL HEART DISEASE AND GROWTH FAILURE.**

*J Newens, J Tharayil, A Desmond, G Martinez, Y Afshar and KL Calkins, Los Angeles, CA. David Geffen School of Medicine at University of California Los Angeles*

Abstract 494

**8:15 SUCCESSFUL UMBILICAL LINE PLACEMENT IN NEWBORNS WITH CONGENITAL HEART DISEASE AT A LEVEL IV NICU.**

*E Harding, B Weikel, T Grover, J Zenge and R Shay, Aurora, CO. University of Colorado*

Abstract 495

**8:30 A COMPARISON OF NEAR-INFRARED SPECTROSCOPY AND TRADITIONAL PARAMETERS FOR MONITORING OF INFANTS WITH PRENATAL DIAGNOSIS OF AORTIC COARCTATION.**

*DP Sharp, A Phillips, S Maskatia and VY Chock, Palo Alto, CA. Stanford University (WAP/WSCI Travel Award Winner) (WSPR)*

Abstract 496

**8:45 CLINICAL OUTCOMES IN NEONATES WITH CONGENITAL HEART DISEASE WITH CONCURRENT CONGENITAL NEUROLOGICAL**

**ANAOMALIES.**

*Z Torabyan, H El-Rahi, CY Cong and L Ghimire, Fresno, CA. UCSF Fresno*

Abstract 497

**9:00 SLEEP AS A PREDICTOR FOR ANXIETY AND DEPRESSION IN CHILDREN AND YOUNG ADULTS WITH CONGENITAL HEART DISEASE.**

*KE Maxfield, L Melcher, K Bottrill and D Combs, Tucson, AZ. University of Arizona College of Medicine Tucson*

Abstract 498

**9:15 IN UTERO ENDOTHELIAL CELLS HAVE UNIQUE GENE EXPRESSION IN CONGENITAL HEART DISEASE.**

*A Desmond, A Bhattacharya and Y Afshar, Los Angeles, CA; Houston, TX. UCLA (WSPR)*

Abstract 499

**9:30 VARIATION IN MECHANICAL VENTILATORY SUPPORT AFTER NEONATAL CARDIAC SURGERY.**

*T Barnes, DP Sharp, R Keller and M Steurer, San Francisco, CA; Palo Alto, CA. University of California, San Francisco*

Abstract 500

**9:45 CARDIAC AND AORTIC SURGERY OUTCOMES IN PATIENTS WITH TURNER SYNDROME.**

*A Middleton, S Prakash, A Khanna, S Howell, A Carl and S Davis, Houston, TX; Aurora, CO. Children's Hospital of Colorado*

Abstract 501

**Diversity, Equity and Inclusion Research III**

Room 5 (Sunset Center)

*Anthony Lim, Presiding*

**8:00 REDUCING BIAS IN NEWBORN SUBSTANCE USE TESTING THROUGH A MULTIDISCIPLINARY TASKFORCE.**

*S Razdan, DP Sharp and S Bonifacio, Palo Alto, CA. Stanford University School of Medicine (WSPR)*

Abstract 502

**8:15 SOCIO-ECONOMIC DISPARITIES IN UNPLANNED HOSPITAL ADMISSION AND IN-HOSPITAL OUTCOMES AMONG CHILDREN WITH CONGENITAL HEART DISEASE.**

*H El-Rahi, Z Torabyan, CY Cong and L Ghimire, Fresno, CA. UCSF Fresno*

Abstract 503

**8:30 REASONS FOR DECLINING WELL CHILD VISITS AND ROUTINE VACCINATIONS DURING THE COVID-19 PANDEMIC: PERSPECTIVES OF PARENTS FROM DIFFERENT BACKGROUNDS.**

*JS Chang and B Afghani, Pomona, CA; Irvine, CA; Orange, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 504

**8:45 SCHOOL-BASED MENTAL HEALTH LITERACY PROGRAM DELIVERED BY COMMUNITY VOLUNTEERS IMPROVES SELF-EFFICACY AND MOOD AMONG YOUTH: ADVOCATES 4 ALL YOUTH (ALLY).**

*M Izere, SN Wilson, C Mata, S Simon and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 505

**9:00 PRENATAL UROLOGIC CONSULTATION FOR ANTENATAL HYDRONEPHROSIS: TRUE EQUITY OR HIDDEN DISPARITY?**

*AB Hoefler, M Mendez, G Nanizao and K Kieran, Spokane, WA; Seattle, WA. University of Washington School of Medicine Seattle Children's Hospital*

Abstract 506

**9:15 DID THE COVID-19 PANDEMIC CHANGE THE PREVALENCE OF SEXUAL ASSAULT AND HARASSMENT? AN ANALYSIS OF PHYSICIAN MEMBERS OF AMERICAN COLLEGE OF PHYSICIANS.**

*P Li, C Fernandes, C Prasad, J Silberger and F Dong, Lebanon, OR; Pomona, CA; Portland, OR. College of Osteopathic Medicine of the Pacific-Northwest Western University of Health Sciences*

Abstract 507

**9:30 CHILDHOOD OBESITY: DOES EFFICACY OF BEHAVIORAL INTERVENTIONS DIFFER BY RACE?**

*C Pham, A Estrada, J Groner, A Mei, P Pande, L Pang, S Yu and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 509

**Endocrinology and Metabolism III**

Green Room (Sunset Center)

*Mimi S. Kim, Presiding*

**8:00 PATHOPHYSIOLOGICAL ROLE OF ZADH2 IN BROWN AND WHITE ADIPOCYTES.**

*A Kumar and I Lodhi, St. Louis, MO; Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific*

Abstract 510

**8:15 DECREASED EXECUTIVE FUNCTION AND FINE MOTOR SKILLS IN PEDIATRIC PATIENTS WITH CONGENITAL ADRENAL HYPERPLASIA.**

*NL Yamashita, E Deras, SH O'Neil, TA Pickering, G Simon and MS Kim, Los Angeles, CA. Children's Hospital Los Angeles (WAFMR Trainee Research Award) (WAFMR)*

Abstract 511

**8:30 THE ROLE OF MITOGEN-ACTIVATED PROTEIN KINASE PHOSPHATASE IN REGULATING THE B3-ADRENERGIC PATHWAY IN ADIPOCYTES.**

*T Kurlagunda, X Feng and AR Saltiel, La Jolla, CA. University of California, San Diego*

- 8:45 STATE-OF-THE-ART SPEAKER:  
UNIQUE FEATURES OF TYPE 2 DIABETES IN YOUTH VS. ADULTS.**  
*Kristen J. Nadeau, University of Colorado Denver*
- 9:15 UNCOVERING THE CONNECTION BETWEEN GENETIC RISK AND  
PHENOTYPIC OUTCOME IN POLYCYSTIC OVARIAN SYNDROME.**  
*AJ Tidwell and C Welt, Salt Lake City, UT. University of Utah School of Medicine*  
Abstract 513
- 9:30 NLRP3 INFLAMMASOME AS A POTENTIAL LINK IN THE UNDERLYING  
PATHOGENESIS OF DIABETES AND CROHN'S DISEASE.**  
*A Gargaloyan, DK Agrawal and V Rai, Pomona, CA. Western University of Health  
Sciences*  
Abstract 514
- 9:45 ECTOPIC CUSHING'S SYNDROME PRESENTING AS HYPERTENSIVE  
EMERGENCY AND PSYCHOSIS.**  
*N Jannareddy and C Lovato, Albuquerque, NM. University of New Mexico School of  
Medicine*  
Abstract 515

## Genetics II

Rehearsal Room (Sunset Center)

*Timothy Benke and Dena R. Matalon, Presiding*

- 8:00 TRAJECTORY OF PROJECT BABY BEAR RAPID GENOME SEQUENCING  
PROJECT: A REVIEW OF LONG-TERM FOLLOW UP AT A SINGLE CENTER.**  
*R Chan, K Wigby, MM Martin and SP Shankar, Sacramento, CA. UC Davis School of  
Medicine (WSMRF)*  
Abstract 516
- 8:15 EXTRAORDINARY BABIES STUDY: GENETIC COUNSELING  
IMPLICATIONS OF DISCORDANT PRENATAL NONINVASIVE SCREENING  
RESULTS IN SEX CHROMOSOME ANEUPLOIDIES.**  
*S Howell, S Davis, J Ross and N Tartaglia, Aurora, CO; Philadelphia, PA. University of  
Colorado Anschutz (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award)*  
Abstract 517
- 8:30 THE EXTRAORDINARY BABY STUDY: NATURAL HISTORY OF INFANTS  
DIAGNOSED WITH XXYY IN THE PRENATAL PERIOD.**  
*K Nocon, S Howell and N Tartaglia, Aurora, CO. University of Colorado School of  
Medicine*  
Abstract 518
- 8:45 INITIAL DATA FROM THE GALAXY REGISTRY: GENERATING  
ADVANCEMENTS IN LONGITUDINAL ANALYSIS IN X & Y CHROMOSOME  
VARIATIONS.**

*K Molison, S Howell, A Carl and S Davis, Aurora, CO. eXtraordinary Kids Clinic, Children's Hospital Colorado (WSMRF)*

Abstract 519

**9:00 AN EXTRA CHROMOSOME AMONG WOMEN IN THE MILLION VETERAN PROGRAM: A MORE BENIGN PERSPECTIVE OF TRISOMY X.**

*N Klamut, C Teerlink, J Lynch, J Ross, R Hauger and S Davis, Aurora, CO; Salt Lake City, UT; Wilmington, DE; Philadelphia, PA; La Jolla, CA. University of Colorado School of Medicine Children's Hospital Colorado*

Abstract 520

**9:15 A NOVEL NON-CODING DELETION AT XQ28 IN A PATIENT WITH X-LINKED PRIMARY IMMUNODEFICIENCY.**

*D Bonner, R Ungar, P Goddard, S Marwaha, J Kohler, C Reuter, S Montgomery, M Wheeler and J Bernstein, Stanford, CA. Stanford University GREGoR Stanford Site*

Abstract 521

**9:30 MISCONCEPTIONS AND MISINFORMATION IN THE DIAGNOSTIC AND HEALTHCARE EXPERIENCES OF MALE RETT SYNDROME.**

*TG Thompson, D Gurfinkel, N Klamut, C Fu, K Ferdinandsen, A Ananth, J Lane, E Marsh, A Percy, J Neul and T Benke, Aurora, CO; Nashville, TN; Birmingham, AL; Philadelphia, PA. University of Colorado Children's Hospital Colorado*

Abstract 522

**9:45 NEW TECHNOLOGIES THAT INFORM PATHOGENIC MECHANISMS FOR BALANCED X; AUTOSOME TRANSLOCATIONS: WHAT'S OLD IS NEW AGAIN.**

*BA Fernandez, G Lee, K Paredes Gonzalez, R Schmidt, MA Deardorff, G Raca, S Gibson and D Miller, Los Angeles, CA; Seattle, WA. Children's Hospital Los Angeles Keck School of Medicine of USC*

Abstract 523

**Healthcare Delivery Research IV - Medical Education**

Babcock #6 (Sunset Center)

*Mara Bann, Presiding*

**8:00 OUTCOMES OF SMALL GROUP PROCESS WORK ON MEDICAL STUDENT GRIT, RESILIENCE, AND STRESS: A NON-RANDOMIZED PILOT STUDY.**

*E Sperling, Lebanon, OR. Western University of Health Sciences*

Abstract 524

**8:15 THE EFFICACY OF FLIPPED CLASSROOMS OVER TRADITIONAL DIDACTIC LECTURES IN MEDICAL EDUCATION.**

*E Chang, S Zemeida, E Chou, V Gerriets and J Cusick, Elk Grove, CA. California Northstate University*

Abstract 525

- 8:30 RESIDENT PERSPECTIVES ON INPATIENT ROUNDS LED BY SENIOR RESIDENT PHYSICIANS IN PEDIATRICS.**  
*K Bauer, L Borden, T Wang, C Payne and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)*  
 Abstract 526
- 8:45 MULTI-INSTITUTIONAL AND MULTI-DISCIPLINARY COLLABORATION FOR AN EXCEPTIONAL NEONATAL INTENSIVE CARE EDUCATION (NICE) QUALITY IMPROVEMENT INITIATIVE.**  
*P Arichai, IE Sierra-Strum, A Yeh, SR Sardesai, M Dixon and R Ramanathan, Los Angeles, CA. Los Angeles General Medical Center Keck's School of Medicine, University of Southern California (WSPR)*  
 Abstract 527
- 9:00 STRENGTHENING PERSONAL AND TEAM RESILIENCE THROUGH EMOTIONAL INTELLIGENCE ON THE WARDS.**  
*J Banner, A Ivey, T Tausinga and K Brownson, Salt Lake City, UT. University of Utah School of Medicine*  
 Abstract 528
- 9:15 PREDATORY AND OPEN ACCESS JOURNAL PUBLICATIONS AMONG CANADIAN PLASTIC SURGERY RESIDENCY APPLICANTS.**  
*A Paiero Keeler, H ElHawary, Y Tuen, R Courtemanche, M Gilardino and JS Arneja, Vancouver, BC, Canada; Montreal, Canada. University of British Columbia (WSMRF)*  
 Abstract 529
- 9:30 "LET'S UNPACK MY FEEDBACK!" - AN APPROACH TO ENHANCE MEDICAL STUDENTS' PEER FEEDBACK.**  
*EM Monasch and A Bhe, Palo Alto, CA; Sacramento, CA. Stanford Health Care (WSMRF)*  
 Abstract 530
- 9:45 ASSESSMENT OF ADVERSE MENTAL HEALTH OUTCOMES AMONG TRADITIONAL AND NONTRADITIONAL MEDICAL STUDENTS.**  
*N Arief, E Jang, A Li, A Dang and V Gerriets, Elk Grove, CA. California Northstate University College of Medicine*  
 Abstract 531
- Neonatology General V**  
 Carpenter Hall  
*Kara L. Calkins and Mark Nolan, Presiding*
- 8:00 EVALUATION OF SWALLING DYSFUNCTION IN PRETERM INFANTS WITH FIBEROPTIC ENDOSCOPIC EVALUATION OF SWALLOWING (FEES) IN THE NEONATAL UNIT.**  
*K Ahn, A Heston, A Patel, B Shipman, K Graf and H Muniraman, Phoenix, AZ. Creighton University (WSPR)*  
 Abstract 532

- 8:15 CALCIUM AND PHOSPHORUS LOSSES AFTER INFUSION OF HUMAN MILK BASED FEEDINGS IN A PLASTIC FEEDING SYSTEM.**  
*V Hamilton, M Fusezy, M Elliott, R Ramanathan and R Cayabyab, Los Angeles, CA; Duarte, CA; Balti, MD. LA General Medical Center*  
 Abstract 533
- 8:30 GABAPENTIN FOR SEDATION AND PAIN CONTROL FOR NEONATES AFTER MANDIBULAR DISTRACTION OSTEOGENESIS.**  
*MD Wahl, R Rdesinski, T Nguyen and M Go, Portland, OR. Oregon Health & Science University*  
 Abstract 534
- 8:45 LONGITUDINAL TRIGLYCERIDE PROFILING IN PRETERM INFANTS SUGGESTS DYNAMIC AND AGE-SPECIFIC TRAJECTORIES.**  
*J Reiss, V Ding, A Chang, T Phongpreecha, A Lyon, JZ Long, BK Jordan, B Scottoline, M Snyder, K Sylvester, DK Stevenson, N Aghaeepour and GM Shaw, Palo Alto, CA; Portland, OR; Stanford, CA. Stanford University Stanford University (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)*  
 Abstract 535
- 9:00 THE ANTIMICROBIAL PEPTIDE LL-37 IMPROVES EXPERIMENTAL NEC SURVIVAL AND SIGNIFICANTLY IMPROVES INTESTINAL EPITHELIAL WOUND HEALING.**  
*AJ Leegwater, T Boly, G Bautista, S Lueschow and S McElroy, Sacramento, CA; Iowa City, IA. University of California, Davis*  
 Abstract 536
- 9:15 COHORT OF INTESTINAL PERFORATIONS IN EXTREMELY PRETERM INFANTS.**  
*M Burgos and S Newman-Lindsay, Sacramento, CA. UC Davis School of Medicine*  
 Abstract 537
- 9:30 ASSESSING AND IMPROVING ACCESS TO LACTATION AND BEREAVEMENT SUPPORT FOR MOTHERS WHO EXPERIENCE PERINATAL LOSS AT A SINGLE REFERRAL HIGH-RISK ACADEMIC CENTER.**  
*E Capossela, S Lehman, A Wolf, A Diaz, R Hammer, B Sanchez, LM Stellwagen and K Marc-Aurele, San Diego, CA. University of California San Diego*  
 Abstract 538
- 9:45 IMPACT OF MATERNAL STRESS ON THEIR PARENT-INFANT INTERACTIONS: OBSERVATIONS WITH THE STILL FACE PARADIGM.**  
*O Oyeku, L Chao, J Maxwell and J Lowe, Albuquerque, NM. University of New Mexico School of Medicine*  
 Abstract 539

### Neonatology - Perinatal Biology III

Studio 105 (Sunset Center)

*Viviana M. Fajardo and Camille Fung, Presiding*

- 8:00 AVR-48 TREATMENT IMPROVES RESPIRATORY SYSTEM MECHANICS IN FORMER PRETERM LAMBS.**  
*A Rebentisch, M Borton, E Major, J Van Boerum, MJ Dahl, D Null, D Riley, D Christensen, R Bromley, K Albertine and S Acharya, Salt Lake City, UT; Fort Worth, TX; Cary, NC. University of Utah (WSPR Reckitt/Mead Johnson Subspecialty Award)*  
Abstract 540
- 8:15 FETAL BRAIN DHA CONTENT IN SHEEP IS PRESERVED IN FETAL GROWTH RESTRICTION, IN SPITE OF LOWER DHA CONCENTRATIONS IN MATERNAL AND FETAL PLASMA.**  
*SS Chassen, S Raymond-Whish, K Zemski-Berry, S Wesolowski, LD Brown, P Rozance and T Powell, Aurora, CO. University of Colorado (WSPR)*  
Abstract 541
- 8:30 CONTINUOUS INFUSION OF RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 AND BINDING PROTEIN 3 IMPROVES GLOMERULAR CAPILLARY GROWTH IN MECHANICALLY VENTILATED PRETERM LAMBS.**  
*C Hansen, L Carter, A Rebentisch, E Major, Z Vordos, J Van Boerum, E Dawson, H Yang, MJ Dahl, D Null, N Barton, G Carey, M McHale, V Niklas, R Ward and K Albertine, Salt Lake City, UT; Lexington, MA; Altrincham, , United Kingdom. University of Utah*  
Abstract 542
- 8:45 A REDISTRIBUTION OF THE MICRONUTRIENT SELENIUM OCCURS AFTER CARDIOPULMONARY BYPASS WITH DEEP HYPOTHERMIC ARREST IN INFANT PIGLETS.**  
*A Hernandez, L Khailova, A Suarez-Pierre, J Iguidbashian, T Lehmann, G Seedorf, E Mandell, E Nozik, J Davidson and L Sherlock, Aurora, CO. University of Colorado Anschutz Medical Campus*  
Abstract 543
- 9:00 MESENCHYMAL STROMAL CELL SMALL EXTRACELLULAR VESICLES IMPROVE CAPILLARY GROWTH IN THE DISTAL ILEUM OF MECHANICALLY VENTILATED PRETERM LAMBS.**  
*J Van Boerum, S Salazar, A Rebentisch, E Major, Z Vordos, E Dawson, H Yang, MJ Dahl, D Null, E Delavogia, A Mitsialis, S Kourembanas and K Albertine, Salt Lake City, UT; Boston, MA. University of Utah (WSPR Prolacta Bioscience Research Award)*  
Abstract 544
- 9:15 CATECHOLAMINE METABOLITES ARE BIOMARKERS OF FETAL HYPOXEMIA AND GROWTH RESTRICTION DURING PLACENTAL INSUFFICIENCY.**  
*A Moutwakil, L Brown, S Wesolowski and P Rozance, Aurora, CO. University of Colorado (WSPR Abbott Nutrition Subspecialty Award)*  
Abstract 545

**9:30 EFFECT OF CLEMASTINE ON NEUROPHYSIOLOGICAL OUTCOMES IN AN OVINE MODEL OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**  
*CC Hawkins, J Mike, Y White, C Vento, J Ha, A Iranmahboub, H Manzoor, A Wang, B Goudy, S Lakshminrusimha, B Ostrem, J Fineman, DM Ferriero and E Maltepe, San Francisco, CA; Davis, CA. University of California San Francisco*

Abstract 546

**9:45 THE PRO-INFLAMMATORY NF-KB AND HEPATOCYTE SPECIFIC RESPONSE TO STREPTOCOCCUS AGALACTIAE (GBS).**  
*L Emmanuel CJ Wright, MR Grayck, M Solar, L Zheng, J Siegenthaler, K Doran and L Joyce, Denver, CO. University of Colorado Anschutz (WSPR)*

Abstract 547

**Pulmonary and Critical Care II**  
Promenade Lobby (Sunset Center)  
*Soula Danopoulos, Presiding*

**8:00 CAN THIS BE COCCI? A COMPLEX EMPYEMA.**  
*J Patel, VE Espinoza, J Mendoza, S Mishra and K Fox, Bakersfield, CA. Kern Medical Center*

Abstract 548

**8:15 A RARE CASE OF SEVERE EPISTAXIS FOLLOWING INTRAVITREAL BEVACIZUMAB INJECTION.**  
*J Woods, J Patel, A Dhillon and R Garcia-Pacheco, Bakersfield, CA; Christ Church, Barbados. Kern Medical Center Ross University School of Medicine*

Abstract 549

**8:30 OXIDIZED PHOSPHOLIPID NEUTRALIZING ANTIBODY AMELIORATES BLEOMYCIN-INDUCED PULMONARY FIBROSIS.**  
*W Tang, M Lyu, B Lee, C Glass, JL Witztum and E Sajti, La Jolla, CA; Dallas, TX. University of California San Diego (WAP/WSCI Travel Award Winner)*

Abstract 550

**8:45 A CASE OF NECROBIOTIC PULMONARY NODULES PRESENTING AS AN EXTRAINTESTINAL MANIFESTATION OF INFLAMMATORY BOWEL DISEASE IN A 37-YEAR-OLD FEMALE.**  
*KG Thayapran and M Danch, Aurora, CO. University of Colorado School of Medicine*

Abstract 551

**9:00 CADAVERIC EXPLORATION OF LUNG ANATOMY VARIATIONS AND CLINICAL RELEVANCE.**  
*I Navasardyan, K Delaney and M Wedel, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*

Abstract 552

**9:15 A RARE CASE OF VALSARTAN INDUCED ANGIOEDEMA.**  
*H Ipalawatte, S Abadir, A Gower and J Takher, Thousand Oaks, CA. HCA Los Robles Regional*

Abstract 553

- 9:30 ACTIVATION OF PLATELETS AND THE COMPLEMENT SYSTEM IN SCHISTOSOMIASIS-INDUCED PULMONARY HYPERTENSION.**  
*M Jordan, JN Posey, C Mickael, E Nozik and C Delaney, Aurora, CO. University of Colorado*  
 Abstract 554
- 9:45 OUTCOMES OF INFANTS IN THE NEONATAL INTENSIVE CARE UNIT UNDERGOING MULTIPLE ATTEMPTS OF INTRACHEAL SURFACTANT ADMINISTRATION.**  
*S Siddiqui, EE Feliz Sala, JK Sandhu, R Ramanathan and M Biniwale, Los Angeles, CA. University of Southern California/Los Angeles General Medical Center*  
 Abstract 555

**CONCURRENT SESSIONS**

**Saturday, January 20, 2024**  
**10:15 AM – 12:00 PM**  
*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
 WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
 WESTERN ASSOCIATION OF PHYSICIANS  
 WESTERN SOCIETY FOR PEDIATRIC RESEARCH  
 WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Behavior, Development and Psychology II .....Promenade Lobby**  
**Genetics III.....Rehearsal Room**  
**Healthcare Delivery Research V – Quality Improvement .....Babcock #6**  
**Hematology and Oncology III.....Green Room**  
**Immunology and Rheumatology II.....Room 5, Sunset Center**  
**Neonatology – General VI.....Carpenter Hall**  
**Neonatology Pulmonary III .....Conductor’s Room**  
**Neuroscience III.....Studio 105**

**Behavior, Development and Psychology II**  
 Promenade Lobby (Sunset Center)  
*Scott Akins and Talia Thompson, Presiding*

**10:15 LEVERAGING LARGE LANGUAGE MODELS TO ASSESS DOCUMENTATION OF MEDICATION SIDE EFFECTS IN CLINICAL VISITS FOR CHILDREN WITH ATTENTION-DEFICIT/HYPERACTIVITY DISORDER.**  
*Y Barnett, F Gunturkun, M Pllai, JE Herrmann, LC Huffman and HM Feldman, Stanford, CA. Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)*

Abstract 556

**10:30 COMPARISON OF BAYLEY SCORE CHANGES FOR HIGH-RISK INFANTS AFTER RELEASE OF UPDATED NORMS.**

*D Starzyk, J Dempsey, DL Cooke and AG Dempsey, Aurora, CO. University of Colorado School of Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 557

**10:45 THE EXTRAORDINARY BABIES STUDY: COMPARISON OF 3 DEVELOPMENTAL SCREENING MEASURES FOR IDENTIFYING DEVELOPMENTAL DELAYS IN YOUNG CHILDREN WITH PRENATAL DIAGNOSIS OF SEX CHROMOSOME TRISOMIES.**

*A Radunovic, S Bothwell, TG Thompson, S Davis, J Ross and N Tartaglia, Aurora, CO; Houston, TX; Wilmington, DE. University of Colorado School of Medicine, Children's Hospital Colorado Tilman J. Fertitta Family College of Medicine at the University of Houston (WSMRF)*

Abstract 558

**11:00 ANXIETY IN TURNER SYNDROME: ENGAGING COMMUNITY TO ADDRESS BARRIERS AND FACILITATORS TO DIAGNOSIS AND CARE.**

*A Carl, M Good, E Haag, C Hutaff-Lee, D Swain, N Tartaglia, S Davis, C Sakamoto and TG Thompson, Westminster, CO; Aurora, CO. Children's Hospital of Colorado (WSPR Prolacta Bioscience Research Award)*

Abstract 559

**11:15 DEVELOPMENT AND EVOLUTION OF A PSYCHOLOGY-LED SCREENING PROGRAM IN A LEVEL-3 NEONATAL INTENSIVE CARE UNIT.**

*DL Cooke, AG Dempsey, C Solness, J Kelleher, S Takamatsu and J Dempsey, Denver, CO. CU Anschutz Medical Campus*

Abstract 560

**11:30 IMPROVING FAMILY ENGAGEMENT AND REDUCING DISPARITIES THROUGH TELEHEALTH IN THE NEONATAL INTENSIVE CARE UNIT.**

*J Kelleher, A Santisteban, J Dempsey, DL Cooke, C Solness, K Huber and AG Dempsey, Aurora, CO. University of Colorado School of Medicine*

Abstract 561

**11:45 LONGITUDINAL FOLLOW-UP OF METFORMIN TREATMENT IN FRAGILE X SYNDROME.**

*A Montanaro, F Buldoc, S Lippe and RJ Hagerman, Bari, Italy; Edmonton, BC, Canada; Montreal, BC, Canada; Sacramento, CA. UC Davis MIND Institute*

Abstract 562

**Genetics III**

Rehearsal Room (Sunset Center)

*Lynne M. Bird and Fabiola Quintero-Rivera, Presiding*

**10:15 SHOULD WE CONSIDER SCREENING NEWBORNS OF CALIFORNIA TO IDENTIFY THEIR GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD) ENZYME STATUS?**

*VK Bhutani and R Vidavalur, Palo Alto, CA; Ithaca, NY. Cayuga Medical Center/Weill Cornell Medicine*

Abstract 563

**10:30 APPLYING DATA SCIENCE METHODOLOGIES TO CLINICAL GENETIC DATA TO ESTIMATE GENETIC DISORDER PREVALENCE.**

*J Woods and S Jackson and, Madera, CA. Valley Children's Hospital*

Abstract 564

**10:45 FETAL DIAGNOSIS OF AUTOSOMAL DOMINANT ROBINOW SYNDROME DUE TO NOVEL *DVL1* VARIANT: EXPANSION OF THE PHENOTYPE.**

*CM Smith, K Guinon, CG Tise and S Bachir, Palo Alto, CA. Stanford Medicine: Children's Health*

Abstract 565

**11:00 RGX-121: AN INVESTIGATIONAL GENE THERAPY FOR THE TREATMENT OF NEURONOPATHIC MUCOPOLYSACCHARIDOSIS TYPE II (MPS II): INTERIM ANALYSIS OF DATA FROM THE FIRST-IN-HUMAN STUDY.**

*DR Blair, P Harmatz, C Ficicioglu, R Giugliani, DS Rajan, J Hagood, M Fiscella, L Yang, M Gilmor, Y Cho, C Mulatya, D Phillips, P Falabella and L Pisani, San Francisco, CA; Oakland, CA; Philadelphia, PA; Porto Alegre, Brazil; Pittsburgh, PA; Rockville, MD. University of California San Francisco UCSF Benioff Children's Hospital Oakland (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 566

**11:15 SUCCESSFUL TREATMENT OF MULTIFOCAL ATRIAL TACHYCARDIA WITH TRAMETINIB IN COSTELLO PATIENT.**

*G Akay, V Taliercio and D Viskochil, Salt Lake City, UT. University of Utah*

Abstract 567

**11:30 ADENO-ASSOCIATED VIRUS (AAV) DUO VECTOR GENE THERAPY STRATEGIES FOR HSPB8- RELATED VACUOLAR MYOPATHY.**

*L Weiss, A Shmara, P Pal, h Zhang, P Farahat, V Boock, A Villalta, X Xu and V Kimonis, Irvine, CA. University of California, Irvine (WSPR Prolacta Bioscience Research Award)*

Abstract 568

**11:45 MEK INHIBITION IN LYMPHATIC MALFORMATIONS CAUSED BY *RASA1*.**

*P Selvam, G Akay, V Taliercio, S Cole and D Viskochil, Salt Lake City, UT. University of Utah Health*

Abstract 569

**Healthcare Delivery Research V - Quality Improvement**

Babcock #6 (Sunset Center)

*Suha Bachir, Presiding*

**10:15 A STUDY OF PATIENT OUTCOMES USING A HYBRID HUMAN AND ARTIFICIAL INTELLIGENCE WORKFLOW FOR FOLLOW-UP RECOMMENDATIONS FROM RADIOLOGY.**

*K Nakashima, C Shu, E Ho, S Lopez, R Wolf, D Hoang, S Shieh and R Houshyar, Orange, CA. University of California, Irvine*

Abstract 570

**10:30 OPTIMIZING PREGNANCY AND INFANT OUTCOMES IN SUBSTANCE USE DISORDER AND NEONATAL ABSTINENCE SYNDROME – A NOVEL CURRICULUM TO IMPROVE THE CARE OF DYADS IMPACTED BY OPIOID USE DISORDER IN RURAL NORTHERN CALIFORNIA.**

*K Kuhn-Riordon, S Connor, JP Marcin, S Yang, E Htway, A Sanders and S Clark, Sacramento, CA. UC Davis*

Abstract 571

**10:45 OPTIMIZING HEALTHCARE DELIVERY FOR SACRAMENTO'S UNDERSERVED: A MULTI-PART STUDY OF WILLOW CLINIC'S PATIENTS DEMOGRAPHICS, PRIMARY HEALTH CONCERNS, AND QUALITY IMPROVEMENT PROTOCOLS (PART I).**

*S Shah, D Nangia, K Richards and K Malhotra, Sacramento, CA. University of California, Davis School of Medicine*

Abstract 572

**11:00 HAND HYGIENE HEROES INITIATIVE IMPLEMENTATION IMPROVES HAND HYGIENE.**

*R Ku, R Boldut, A Duan, S Kuhn, A Kwong, J Zhang, D Duffy, J Gilbertson, K Lidstone and A Newman, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital*

Abstract 573

**11:15 GRASSROOTS APPROACH TO IMPROVING COVID-19 VACCINATION RATES IN THE HOSPITAL SETTING: A QUALITY IMPROVEMENT INITIATIVE.**

*N Yu, N Punatar, U Shaikh and G Agrawal, Sacramento, CA. University of California, Davis School of Medicine*

Abstract 574

**11:30 MEASURING THE EFFECTIVENESS OF A NUTRITIONAL REHABILITATION PROGRAM FOR SEVERE ACUTE PEDIATRIC MALNUTRITION IN RURAL INDIA.**

*MF Butt, AM Ruf, D Arredondo, N Patel, A Judkins and B Fassl, Rootstown, OH; Salt Lake City, UT; Mota Fofalia, India. Northeast Ohio Medical School (WSPR)*

Abstract 575

**11:45 IMPROVING SCREENING AND DOCUMENTATION OF NEONATAL ADVERSE CHILDHOOD EXPERIENCES.**

*K Sacotte and C Torr, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 576

**Hematology and Oncology III**

Green Room (Sunset Center)

*Thomas Deloughery and Jerome Graber, Presiding*

**10:15 THE ADDED VALUE OF PROSTATE MAGNETIC RESONANCE IMAGING TO PATIENT SELECTION.**

*E Jyo, H Yoon and B Burton, Honolulu, HI. John A. Burns School of Medicine (WSMRF)*

Abstract 577

**10:30 IMPLEMENTING A NEW RESTRICTIVE HEMOGLOBIN THRESHOLD FOR RED BLOOD CELL TRANSFUSION IN PATIENTS WITH HEMATOLOGIC AND ONCOLOGIC DISORDERS.**

*AJ Cowley, HC Tsang, DA Garcia, RA Hasan, PC Mathias, S Panch, MC Thomas and MB Pagano, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 578

**10:45 ENGINEERING MURINE T CELLS TO DEVELOP NOVEL IMMUNOTHERAPY TREATMENTS.**

*J Schwensen and P Greenberg, Seattle, WA. University of Washington School of Medicine*

Abstract 579

**11:00 THE EFFECTS OF CELL-CELL ORIENTATION IN MODELING THE HALLMARKS OF LUNG CANCER IN VITRO.**

*A Espinoza, R McVicar, E Smith, D Finlay and SL Leibel, La Jolla, CA. University of California, San Diego (WAFMR)*

Abstract 580

**11:15 ANTICANCER ACTIVITY OF CB-2A, AN OPTIMIZED COMPOUND OF MCT4 INHIBITOR CB-2.**

*RA Aviles, Y Wu and K Wu, Los Angeles, CA. Charles Drew University*

Abstract 581

**11:30 EDUCATION AND SCREENING FOR SICKLE CELL DISEASE IN RURAL NEPAL: A 9-YEAR REVIEW.**

*S Yu, J Penner, J Handra, J Cunningham, D Sapkota and V Kapoor, Vancouver, BC, Canada; Dang, Nepal. University of British Columbia*

Abstract 582

**11:45 ADAPTING RNA-ISH PROTOCOL TO EXAMINE CYTOLOGIC SLIDES OF LUNG ADENOCARCINOMA EFFUSIONS.**

*N Howard, Y Zhu, A Wang and A Lower, Stanford, CA; Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)*

Abstract 583

**Immunology and Rheumatology II**

Room 5 (Sunset Center)

*Kevin Deane and Sebastien Fuchs, Presiding*

**10:15 DEFINING THE ROLE OF THE AUTOPHAGY RECEPTOR TEX264 IN EPIDERMAL DIFFERENTIATION.**

*B Lorenz, CJ Johnson, A Twiaa, M Sarkar, JE Gudjonsson and CL Simpson, Seattle, WA; Ann Arbor, MI. University of Washington (WSMRF)*

Abstract 584

**10:30 HIDRADENITIS SUPPURATIVA IS ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE, INFLAMMATORY ARTHRITIS, AND OTHER AUTOIMMUNE DISEASES.**

*A Kassels and C Kraus, Irvine, CA. University of California, Irvine, School of Medicine (WSMRF)*

Abstract 585

**10:45 CXCR4 MEDIATES CD8<sup>+</sup> T CELL FUNCTION IN INFLUENZA-INFECTED LUNGS.**

*M Resta, N Le, P Mrass, A Languit and JL Cannon, Albuquerque, NM. University of New Mexico*

Abstract 586

**11:00 INCIDENTAL FINDINGS ON HIGH RESOLUTION COMPUTED TOMOGRAPHY SCANNING OF THE LUNGS PERFORMED TO EVALUATE FOR INTERSTITIAL LUNG DISEASE IN RHEUMATOID ARTHRITIS.**

*M Parfait, K Deane, M Siedschlag, L Moss and ML Feser, Denver, CO; Aurora, CO. Saint Joseph Hospital (WAP/WSCI Travel Award Winner)*

Abstract 587

**11:15 ASSESSMENT OF RISK OF MISCARRIAGE WITH AND WITHOUT BIOLOGIC TREATMENTS FOR AUTOIMMUNE DISEASE.**

*CM Nolde, A Kachikis and S McCartney, Seattle, WA. University of Washington University of Washington School of Medicine*

Abstract 588

**11:30 DIAGNOSTIC APPROACH FOR GENERALIZED LYMPHADENOPATHY.**

*E Evers, C Kuly, S Dulani, S Mishra, C D'Assumpcao and K Fox, Bridgetown, Barbados; Bakersfield, CA. Ross University School of Medicine Kern Medical Center*

Abstract 589

**11:45 GENE EXPRESSION OF CANDIDATE IMMUNE GENES IN *BIOMPHALARIA SUDANICA* IN RESPONSE TO *SCHISTOSOMA MANSONI* EXPOSURE.**

*B Marsonette, K Nguyen, T Pennance, J Calvelo, A Iriarte, G Owino, F Rawago, M Odiere, M Steinauer and Y Xiong, Lebanon, OR; Montevideo, Uruguay; Kisumu, Kenya. Western University of Health Sciences*

Abstract 590

**Neonatology General VI**

Carpenter Hall

*Sonia Bonifacio and Sarah M. Tweddell, Presiding*

**10:15 TEST CHARACTERISTICS OF POINT-OF-CARE LUNG ULTRASOUND TO PREDICT DISCONTINUATION OF CONTINUOUS POSITIVE AIRWAY PRESSURE.**

*F Myers, R Dasani, Y Singh, VY Chock and S Bhombal, Palo Alto, CA; Loma Linda, CA; Atlanta, GA. Stanford Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award) (WSPR)*

Abstract 591

**10:30 EVALUATING GENERAL MOVEMENT ASSESSMENTS IN NEONATES WITH GASTROINTESTINAL ANOMALIES.**

*L Soumekh, S Bell, T Grogan, K Kesavan and KL Calkins, Los Angeles, CA. University of California Los Angeles*

Abstract 592

**10:45 TIMING AND FATIGUE ASSOCIATED WITH 3:1 COMPRESSION-TO-VENTILATION RATIO DURING NEONATAL RESUSCITATION.**

*E Giusto, D Sankaran, E Riley, A Lesneski, R Valdez, M Hardie, H Joudi, KC Tully, VL Hammitt, P Vali and S Lakshminrusimha, Sacramento, CA; Redding, CA. University of California, Davis (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 593

**11:00 ERYTHROCYTE POLYUNSATURATED FATTY ACID CONTENT AND CHRONIC LUNG DISEASE.**

*T Gillespie, T Igawa, ES Kim, LJ Lee, T Grogan, A Chu and KL Calkins, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR Prolacta Bioscience Research Award) (WAFMR)*

Abstract 594

**11:15 FEASIBILITY OF USING ULTRASOUND TO IMPROVE LUMBAR PUNCTURE SUCCESS RATE IN NEONATES BY PHYSICIANS WITHOUT PRIOR ULTRASOUND EXPERIENCE.**

*J Huang, R Cayabyab, R Ramanathan and AM Yeh, Los Angeles, CA. Los Angeles General Medical Center Keck School of Medicine of University of Southern California*

Abstract 595

**11:30 PERINATAL CAFFEINE IMPROVES SYSTEMIC INFLAMMATION IN AN OVINE MODEL OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**

*A Iranmahboub, J Mike, Y White, C Vento, J Ha, H Manzoor, B Goudy, S Lakshminrusimha, J Fineman, DM Ferriero, and E Maltepe, San Francisco, CA; Davis, CA. University of California San Francisco*

Abstract 596

**11:45 SELF-REGULATING PHYSIOLOGIC RESPONSE AND INTENSITY IN NAVIGATING TIME-SENSITIVE SITUATIONS (SPRINTS).**

*L Halamek, Stanford, CA. Stanford Medicine (WSPR)*

Abstract 597

**Neonatology Pulmonary III**

Conductor's Room

*Matt Douglass and Erica Mandell, Presiding*

**10:15 VIRTUAL/TELESIMULATION IS NON-INFERIOR TO IN-PERSON HELPING BABIES BREATHE TRAINING IN JIMMA, ETHIOPIA.**

*M Clary, M Berhane, J Liang, K Daniels, H Lee, B Eshetu and R Mediratta, Stanford, CA; Jimma, Ethiopia; San Diego, CA. Stanford School of Medicine (WSMRF)*

Abstract 598

**10:30 COMPARISON OF OXYGENATION INDEX (OI), OXYGEN SATURATION INDEX (OSI), AND PAO<sub>2</sub>/FIO<sub>2</sub> (PF) IN NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA.**

*T Ellsworth, M Yang and B Yoder, Salt Lake City, UT. University of Utah*

Abstract 599

**10:45 UPDATED CUTOFF VALUE OF EARLY POSTNATAL PREDICTION MODEL FOR SURVIVAL WITHOUT ECMO IN CONGENITAL DIAPHRAGMATIC HERNIA.**

*C Torsitano, M Yang, CC Yost and B Yoder, Salt Lake City, UT. University of Utah*

Abstract 600

**11:00 EVALUATION OF EFFECTIVE PRESSURE DELIVERY BY NASAL HIGH-FREQUENCY JET VENTILATION IN A NEONATAL LUNG MODEL USING NIV+ SOFTWARE.**

*R Kibe, R Ramanathan and M Biniwale, Los Angeles, CA. LAGMC University of Southern California (WSPR)*

Abstract 601

**11:15 PERINATAL AND MATERNAL RISK FACTORS FOR PROLONGED RESPIRATORY SUPPORT IN MODERATELY LOW BIRTH WEIGHT BABIES ADMITTED TO THE NICU.**

*J Sosa, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. Los Angeles General Medical Center/University of Southern California*

Abstract 602

**11:30 MINIMALLY INVASIVE SURFACTANT THERAPY (MIST) TO REDUCE BRONCHOPULMONARY DYSPLASIA (BPD): A QUALITY IMPROVEMENT PROJECT.**

*S Razdan, H Gu, L Bain and A Davis, Palo Alto, CA. Stanford University School of Medicine (WSPR)*

Abstract 603

**11:45 UTILIZATION OF NON-INVASIVE NEURALLY ADJUSTED VENTILATION ASSIST (NI-NAVA) TO IMPROVE SHORT TERM RESPIRATORY OUTCOMES IN EXTREMELY PRETERM INFANTS: A QUALITY IMPROVEMENT PROJECT.**

*J Wu, L Harasimyw, K Chamberlain, T Griffin, A Shelton, EE Rogers and K Kramer, San Francisco, CA. UCSF (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 604

**Neuroscience III**

Studio 105 (Sunset Center)

*Frances Chow, Presiding*

**10:15 INTRANASAL DELIVERY OF INCRETIN RECEPTOR AGONISTS IN THE APP/PS1 MOUSE MODEL OF ALZHEIMER'S DISEASE.**

*N Abdulhameed, A Babin, K Hansen, W Banks, K Talbot and E Rhea, Seattle, WA. University of Washington School of Medicine Veterans Affairs Puget Sound Health Care System*

Abstract 605

**10:30 DISPARITIES IN CARE FOR PARANEOPLASTIC NEUROLOGIC SYNDROMES.**

*AR Prince and J Graber, Seattle, WA. University of Washington (WSMRF)*

Abstract 606

**10:45 A CROSS-SECTIONAL NHANES ANALYSIS OF THE ASSOCIATION BETWEEN MIGRAINE AND DIABETES MELLITUS.**

*S Salib, J Kim, S Ezzati and M Abouzari, Elk Grove, CA; Durham, NC; Irvine, CA. California Northstate University, College of Medicine*

Abstract 607

**11:00 ASSESSING NEUROBEHAVIOR IN MICE OVEREXPRESSING  
TRANSFORMING GROWTH FACTOR BETA: A MODEL OF CEREBRAL  
SMALL VESSEL DISEASE.**

*H Chung, M Adler-Wachter and J Weinstein, Seattle, WA. University of Washington  
School of Medicine (WSMRF)*

Abstract 608

**11:15 ASSESSING NEURONAL EDEMA IN MILD TRAUMATIC BRAIN INJURIES.**

*V Carlson and R Morton, Albuquerque, NM. University of New Mexico*

Abstract 609

**11:30 STATE-OF-THE-ART SPEAKER:  
INNATE NEURO-IMMUNITY AS A PATHOGENIC MEDIATOR IN  
NEURODEVELOPMENTAL AND PEDIATRIC NEURODEGENERATIVE  
DISEASE.**

*Nicole Coufal, Rady Children's Hospital-San Diego*

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**2024 Author Index**  
(Number referenced below is the Abstract Number in program)

Abadir	Sandra	553
Abdulhameed	Noor	605
Abraham	Jesslin	196, 610, 611
Abutouk	Mona	319
Adcock	Kelson	376
Adigwu	Yvonne	218
Agrawal	Anjali	98
Ahmed	Nusayba	113
Ahmed	Zubair	179
Ahn	Kevin	532
Akaraphanth	Mike	116
Akay	Gulsen	567
Alag	Anya	441
Alcantara	Cheldon Ann	612
Aldoghmi	Murad	413
Allen	Alexandra	149
Alnaser	Marina	90
Al-Yousfi	Nihad	206
Anderson	Kathryn	470
Anderson	Madyson	35
Anioke	Tochi	288
Annest	Gabriella	289
Anumula	Arjun	443
Archambault	Jamie	65
Arichai	Piyawat	527
Arief	Natasha	531
Arif	Hikmatullah	327
Arredondo	Diana	219
Ashley	Sarah	395
Aviles	Richard	581
Azad	Sharmeen	290
Badaoui	Ali	428
Badger	Reagan	348
Bahr	Timothy	122, 220
Bai-Tong	Shiyu	26
Baker	Mark	454
Bandarupalli	Tanmai	135

Banner	Jasmine	528
Bannett	Yair	556
Barbour	Kristen	197
Barnes	Traci	500
Bartholomew	Alyssa	451
Bas	Andrew	216
Basharkhah	Sarah	334
Basner	Landon	73
Batin	Bryn	364
Bauer	Kelly	526
Bauer	Shayna	36
Bautista	Geoanna	369
Beach	Katherine	171
Berndt	Heather	134
Bhangal	Dupinderjit	117
Bharani	Bharti	419
Bhatnagar	Nayana	82, 180, 181
Bierer	Ryann	360
Bitsui	Cheylah	68
Blair	David	566
Boldut	Renee	191, 198, 245
Bondy	Suraya	164
Bonner	Devon	521
Brandt	Zachary	89
Branscomb	Rachael	21
Bregman	Thea	392
Brocker	Bailey	246
Brockwell	Maximilian	247
Bronnenberg	Trent	40
Brown	Stephen	356
Brunelli	Luca	192
Buchel	Theresa	291
Buck	Taylor	432
Buresh	Chris	316
Burgos	Maria	537
Butt	Mohammad	575

Calvert	Page	437
Capossela	Errica	538
Cardey	Rachel	138
Carl	Alexandra	559
Carlson	Patricia	158, 473
Carlson	Victoria	609
Cautivar	Ken	119, 221
Cera	Anjali	59
Cevallos	Nicolas	69
Challapalli	Ariyani	217
Chambers	Cheri	7
Chan	Rachel	516
Chang	Esther	525
Chang	Justin	504
Chang	Megan	367
Chapman	Cara	29
Chassen	Stephanie	541
Chau	Jasmine	492
Chaudhry	Akriti	42
Chavez-Valdez	Raul	373A
Chen	Po-En (Ann)	385
Chen	Shengying	145
Cherepakhin	Olga	165
Cheung	Shin Yu Celia	222
Chidester	Wesley	62
Chilakamarri	Lekha	331
Childers	Robert	70
Chou	Emily	111
Chow	Erica	78
Christensen	Taylor	486
Christensen	Thomas	366
Chung	Hyunjin	608
Clary	Max	598
Cole	Caleb	137
Cong	Catherine	139
Constantine	Evangelia	292
Cook	Courtney	248
Cooke	Danielle	560
Cooper	Kendra	293
Cooper	Paul	476

Coughlin	Grace	72
Cowley	Aden	578
Crew	Ruben	379
Cristobal	Clarisa	324
Crooks	Sabrina	77
Crowley	Brayden	27
Culver	Lauren	427
Daly-Jensen	Kathleen	193
Dank	Katrina	422
Danza	Clifford	414
Dao	Kevin	140, 240
Davtyan	Edvard	143
Dea	Michael	166
Dear	Tristan	448
Deckerman	Peter	11
Deemer	Elaine	178
Demoruelle	Kristen	583A
Denney	Grace	249
Deshmukh	Hitesh	64A
Desmond	Angela	499
Dias Maia	Paula	484
Ding	Kathy	67
Dingle	Kyra	466
Dion	Nicholas	14
Doescher	Christian	85
Dong	Ashley	350
Dulani	Saakshi	207
Dunn	Emily	438
Duot	Abraham	455
Duran-Valdez	Elizabeth	345
Dutra-Clarke	Marina	460
Eaton	Noa	250
Ebadani	Lyda	411
Ebersberger	Jenni	429
Edalati	Kiumars	477
Edelstein	Charles	459
Edwards	Sarajeon	404
Ellsworth	Tanner	599
El-Rahi	Hiba	503
Emmanuel	Lily	547

Erickson	Aaron	261
Espinoza	Valerie	146
Evers	Elizabeth	589
Fan	Mikayla	2
Fateri	Cameron	109
Feliz Sala	Emilio	442
Ferguson	Alina	481
Ferguson-Steele	Zoe	110
Fernandes	Christopher	507
Fernandez	Bridget	523
Fine	Kathryn	32
Fisher	Emerson	251
Francis	Kendra	346
Fraser	Sean	468
Fry	Sydney	76
Fyfe	Abby	153
Fuson	Olivia	402
Garavatti	Emily	363
Gargaloyan	Areg	514
Garza	Karissa	5
Gasbeck	Thomas	93
Gerges	Monica	136
Gezahegn	Bruck	41
Ghadiya	Kishan	208, 294, 489
Ghayyad	Kassem	294
Gibbons	Sarah	252
Gibson	Kiana	167
Gillespie	Tessa	594
Giusto	Evan	593
Giusto	Evan	126
Goff	Salina	37
Golden	Emma	63
Golovachev	Nikita	295
Gomes	Adriana	199, 435
Goshia	Tyler	426
Gou	Yang	342
Gravley	William	118
Grayck	Maya	389
Gu	Hannah	151

Guarina	Shannen	253
Gupta	Rachita	254
Hagerman	Randi	562
Hajeh	Haidar	329
Halamek	Louis	597
Hall	Anne	330
Hamilton	Victoria	223, 533
Hammi	Mary	255
Handra	Julia	256
Hanessian	Katya	296, 480
Hannan	Kathleen	56
Hansen	Cannon	542
Hansen	Dale	45
Harding	Emma	495
Hawkins	Cheryl	546
Hayashi	Garrick	490
Haynes	Browning	50
He	Meghan	297
Healy	Garrett	298
Heringman	Kevin	357
Herko	Kai	38
Hermel	Jonathan	447
Hernandez	Andres	543
Hessl	David	392A
Hilton	Jordan	257
Ho	Agnes	168
Hoefer	Aiden	506
Holden	Natasha	224, 225
Hollo	Ashley	317
Hood	Olivia	49
Hoopes	Caleb	10
Hoover	Alyssa	359
Howard	Brian	86
Howard	Nahid	583
Howell	Susan	517
Hsiao	Helen	173
Hsieh	Alan	46
Hu	Jackie	322
Huang	Jane	53, 595
Huang	Joy	163

Huynh	Kimberly	258
Ike	Ifeoma	456
Inga Jaco	Elias	24, 209, 613
Ipalawatte	Harendra	347
Iranmahboub	Ariana	596
Irby	Megan	299
Ivey	Brooke	17, 83
Izere	Marie-France	194, 505
Jabbari	Kayvon	156
Jain	Nina	449
Jannareddy	Namrata	515
Jansky	Sean	66
Janusz	Jennifer	393
Jennings	Harrison	446
Jeong	Eunji	16
Jian	Yuwen	94
Jiang	Mio	195
Johar	Leepakshi	210
Jones	Ethan	105
Jones	Jessica	55
Jordan	Mariah	554
Jordan	Stan	457
Juan	Aimee	439
Jugnundan	Shamil	467
Jyo	Erin	577
Kaden-Hoffmann	Michael	259
Kalaf	Nevin	160
Kamal	Nabhan	458
Kanungo	Avani	81, 182
Kassels	Alexa	585
Kattunga	Varunya	417
Kaye	Mushka	260
Keehan	Laura	436
Kelleher	Jessalyn	561
Kermanshahchi	Jonathan	325
Khan	Abdul Wasay	262
Kibe	Rutuja	129, 601
Kieran	Kathleen	300
Kim	Christian	99

Kim	Elizabeth	399
Kim	Hayoung	1
Kim	Jeong Hwan Jake	183
Kim	Seung Yeon	114
Kim	Sophia	408
Kim	Staecy	54
Kim	Uy Lae	301
Klamut	Natalia	520
Kong	Precilia	169
Kooner	Lovedip	211
Kore	Zoe	409
Kray	Colton	34
Kuhn-Riordon	Kara	571
Ku	Rachel	573
Kulig	Cassandra	462A
Kumar	Amisha	510
Kuo	Peggy	33
Kurlagunda	Twisha	512
Kwan	Michael	112
Kwong	Alexander	263
Laguerre	Wheddy	264
Lakhani	Shamikh	84, 184
Lane	Emily	226
Lascar	Emma	157
Law	Sherrice	4
Lawrence	Shelley	44
Lawrence	Verena	425
Le	Francesca	97
Le	Preston	101
Lee	Ethan	471
Lee	Yun Seok	382
Leegwater	Alexandra	536
Lehman	Tenley	418
Leibel	Sandra	130, 580
Li	Whitney	351
Lim	Anthony	142
Liu	Danielle	483
Lo	Justin	340
Lopez	Vanessa	453

Lorenz	Brooke	584
Lorson	Rachel	172
Lorusso Vivas	Gabriella	123, 488
Luo	Shan	482
Luong	Brian	266
Lutz	Jessica	103
Mangunsong	Joshua	320
Manjunath	Chaitra	60
Marciniak	Mary	378
Marsonette	Brent	590
Martes Gomez	Maria	397
Martin	Madelena	332
Maxfield	Kate	498
Mazloom	Kiran	170
McCue	Jackson	267
McIntyre	Emma	43
McMath	Kylie	381
Messele	Feben	401
Middleton	Amelia	501
Mills	Hannah	268
Minton	Stephen	365
Miwalian	Rita	185
Mladenov	Georgi	227
Mohabir	Amelia	100
Mohole	Jyodi	440
Molison	Kayla	519
Monasch	Erika	530
Morton	Mithya	212
Mourad	Nicolas	28
Moutwakil	Ahmed	545
Mundi	Kudrat	128
Murray	Margaret	147
Myers	Faith	591
Nakashima	Kayla	269, 570
Navasardyan	Inesa	552
Nelapudi	Nikitha	452
Newens	Joanne	494
Newton	Krystel	239
Ng	Melanie	18
Ng	Tammy	318

Nguyen	Kai	326
Nguyen	Nicole	23
Nguyen	Scott	213
Nguyen	Thy	339
Nguyen-Khoa	Jadzia	87
Nocek	Michael	75
Nocon	Kayla	518
Nolan	Mark	270
Nolde	Christine	588
Norris	Brandon	39
Null	Elizabeth	335
Nwankwo	Ogechi	271
Okumoto	Lawrence	214
Oliinik	Mark	349, 478
Olivas-Blanco	Jose	92
O'Neill	Colin	25, 272
Orehova	Jaclyn	104
Orogian	Arin	204
Overfield	Isaac	273
Owens	Daley	228
Oyeku	Oluwaseun	539
Paiero Keeler	Adrianna	529
Painter	Collin	450
Parashar	Kanika	200, 336
Pardakhtim	Samira	302
Parfait	Megan	587
Park	Sung Mee	403
Parmar	Pritika	108
Patel	Arti	201
Patel	Jigar	548, 614
Patel	Kareena	121
Patel	Rahul	323
Patel	Shivani	229
Payne	Celine	274
Pedram	Yasaman	19
Pesantez	Sofia	396
Petersen	Erin	416
Petersen	Garrett	88
Petrosyan	Aelita	186
Pham	Catherine	31, 509

Phillips	Joshua	384
Pogue	Ambria	141
Posey	Janelle	144
Pozo	Luis	415
Price	Nicole	275
Prince	Alaina	606
Puia-Dumitrescu	Mihai	230, 444
Puri	Manya	373
Qamar	Hashir	445
Quines	Jammie-Lyn	303, 479
Radunovic	Aleksandra	558
Rajeshuni	Nitya	412
Ramos	Juan	434
Rangel	Paula	102
Rauf	Maha	95
Rausch	Ethan	12
Rauser	Shelly	469
Razdan	Sheila	502, 603
Rebentisch	Andrew	540
Reinhardt	Maria	276
Reiss	Jonathan	535
Resta	Micaela	586
Reuter	Chloe	354
Rhodes	Masaki	465
Richter	Jordan	372
Robins	Collin	421
Robitaille	Thomas	277
Rodriguez	Adriana	215
Rodriguez	Eunice	9
Rodriguez	Ivan	487
Roh	Daniel	304, 475, 615
Rope	Alan	433
Rotinsulu	Alphie	278
Ruf	Alison	353
Rusu	Daniel	380
Sabetian	Katayoun	241
Sabour	Ryan	96
Sacotte	Kaitlyn	576
Sahadevan	Sharon Wesley	205, 423

Sajdak	Grant	461, 474
Salaheddin	Tala	30
Saldivar	Perla	91
Salib	Samuel	607
Samara	Hanien	386
Sanchez	Ryan	231
Sandhu	Japmeet	133, 232
Sankhala	Esha	6
Sarli	Nathan	161
Sasaninia	Kayvan	387
Sato	Jennifer	3
Scheel	Alpha	47
Schiff	Skyler	420
Schrage	Megan	391
Schwensen	Jeanette	579
Sedaghat	Brandon	328
Selvam	Pavalan	569
Seymour	Cadence	64
Shah	Ananya	305
Shah	Nihaal	58
Shah	Shradha	572
Sharma	Rupam	20, 187, 462, 616
Sharp	Danielle	496
Shay	Rebecca	150
Sheasley	Jennifer	306
Shen	Christine	307
Shin	Brandon	308, 463
Shomento	Sofia	431
Siddiqui	Sheryar	120, 233, 555
Sidhu	Sonam	309
Simmons	Maggie	368
Skillman	Kathryn	279
Small	Easton	155, 374, 405
Smith	Carly	565
Smith	Caroline	131
Solar	Mack	344
Solness	Cara	174
Sosa	Jose Carlo	602

Soumekh	Lisa	592
Sperling	Edie	524
Sran-Samran	Puneet	493
Stacey	Holland	370
Stampfli	McKenzie	280
Starzyk	Desiree	557
Stash	Nina	51
Stenger	Katelyn	48
Stevens	Adam	115
Stremming	Jane	485
Strnad	Frank	371
Sule	Anuja	333
Swenson	Sarah	61
Tadaki	Shelby	430
Tam	Crystal	361
Tamatam	Shreya	400
Tan	Aidan	407
Tan	Jiayan	358
Tang	Wenxi	550
Thayapran	Kisha	188, 242, 551, 617
Thirumalai	Harini	234, 362
Thomas	Leah	154, 375, 472
Thompson	Katherine	310
Thompson	Samuel	152
Thompson	Talia	522
Thumma	Milanya	281
Tidwell	Anna	513
Tiersma	Keenae	282
Todd	Emma	341
Tomlin	Brandon	124
Torabyan	Zareh	497
Torsitano	Christopher	600
Tran	Phuong	235
Trang	Ngon	491
Tsang	Cynthia	283
Tu	Karissa	398
Tweddell	Sarah	57
Uddin	Syed Saad	148, 189, 243, 352

Vacaru	Alexandra	377
Vainshtein	Jacklyn	424
Valdez	Rebecca	127
Vallurupalli	Medha	162
Vallurupalli	Medha	311
Van Boerum	Jakob	544
Velpuri	Prathosh	80
Verma	Kajal	202
Vidavalur	Ramesh	563
Vieta-Ferrer	Emile	337
Vu	Verna	132
Vyhmeister	Ethan	383
Wahl	Madison	534
Wainstein	Tasha	321
Wang	Michelle	52
Ward	Allie	338
Weene	Elijah	13
Wei	Vivian	236
Weiss	Lan	568
Wessels	Madeline	355
White	Alicia	22
Wickers	Sean	8
Wignarajah	Sailesh	406
Williams	Kyle	74
Willson	Roan	312
Wilson	Lauren	107
Wilson	Rebecca	394
Wilson	Samantha	313
Wittmann	Jennifer	343
Wong	Nicole	237
Woods	Jeremy	564
Woods	Joshua	549
Wu	Jingshing	604
Xavier	Jonathan	314
Xu	Joy	175
Yamamoto	Haley	176
Yamashita	Nozomi	511
Yazditabar	Joshua	315
Yeager	Stephanie	125
Yeganyan	Stephanie	15

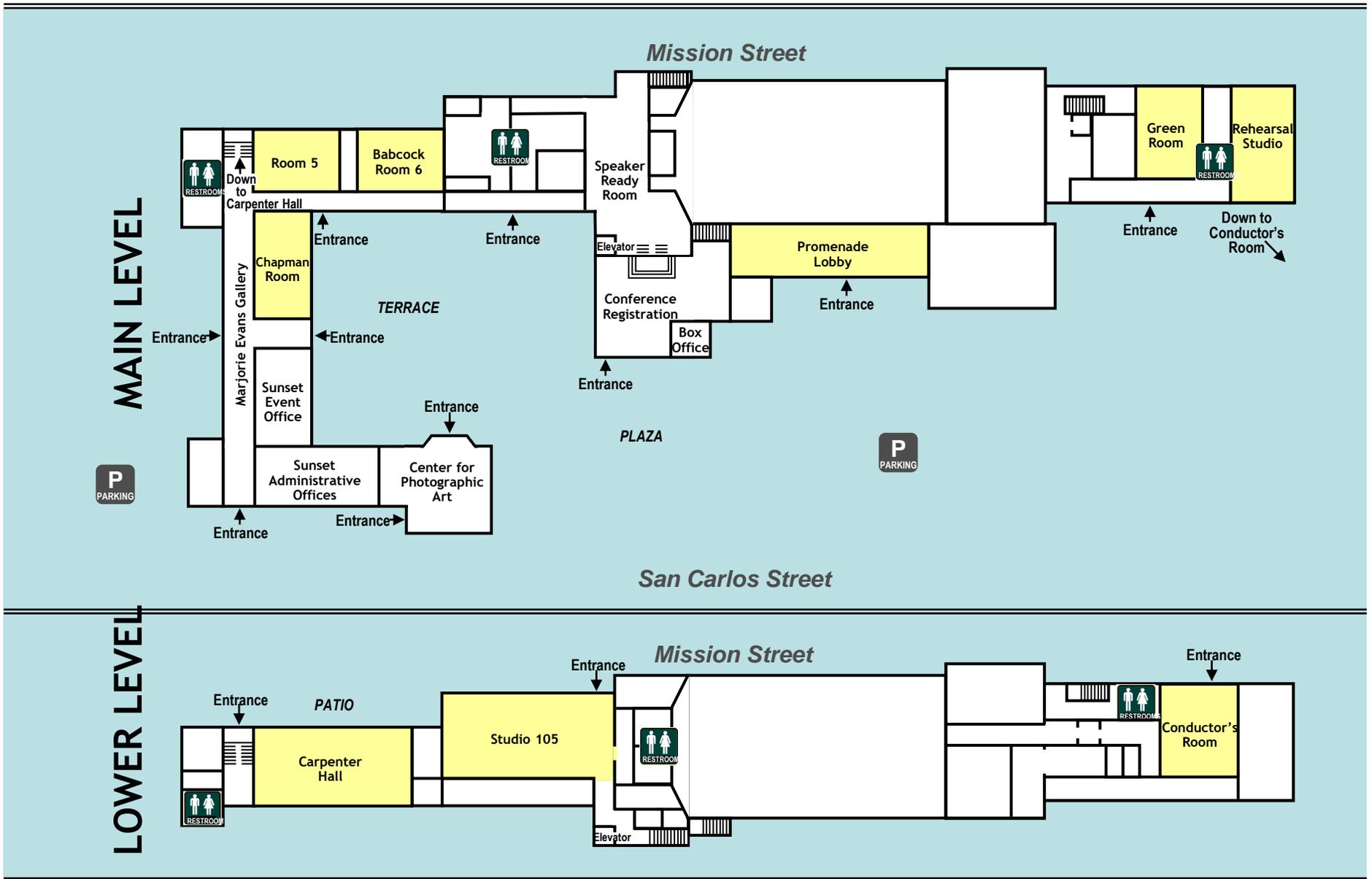
Yip	Keland	284
Yip	Sabrina	190
Yoon	Sonyeol	388
Young	Clipper	410
Yu	Caroline	238
Yu	Kiki	582
Yu	Nina	574
Yu	Tai Jung	79
Yu	Vivian	285
Yung	Megan	177
Yusuf	Fatima	286
Yuzon	Nicole	287
Zahid	Mahum	203
Zhou	Yan	464
Zhu	Jenny	390
Zielinski	Owen	106



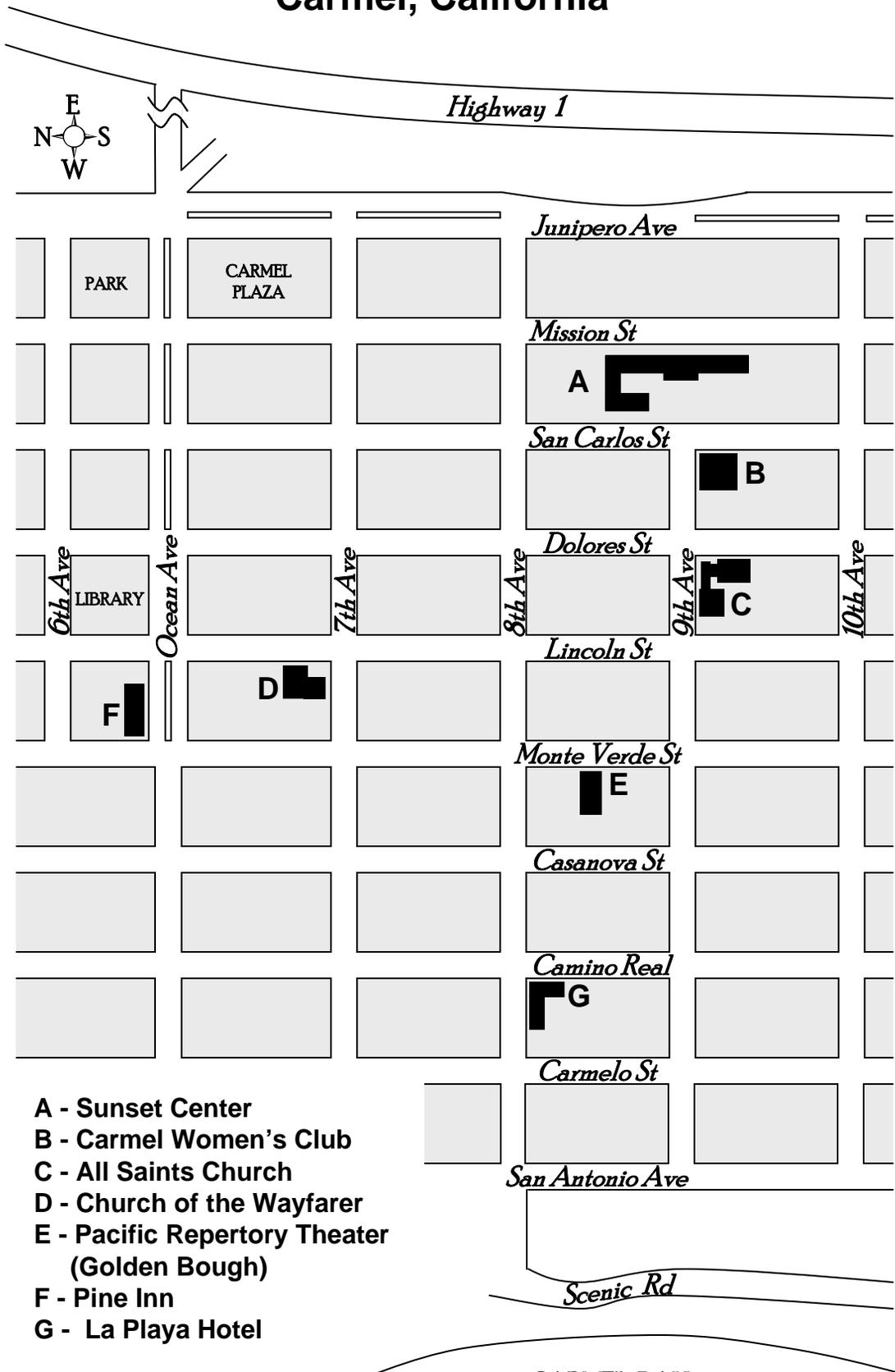
SUNSET CENTER

# Site Map

Western Medical Research Conference



# Western Meeting Locations Carmel, California



- A - Sunset Center
- B - Carmel Women's Club
- C - All Saints Church
- D - Church of the Wayfarer
- E - Pacific Repertory Theater  
(Golden Bough)
- F - Pine Inn
- G - La Playa Hotel