



Western Medical Research Conference  
January 19-21 2023  
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

### PROGRAM AT-A-GLANCE

| TIME                     | ACTIVITY & LOCATION   |
|--------------------------|---|
|                          | <b>THURSDAY, JANUARY 19, 2023</b>   |
| 9:00 am – 5:00 pm        | <b>Speaker Ready Room</b><br><i>Sunset Center</i>   |
| 9:00 am – 5:00 pm<br>24a | <b>Registration</b><br><i>Sunset Center – Entry Lobby</i>   |
| 9:30 am – 12:00 pm       | <b>WSPR Council Meeting</b><br><i>Sunset Center – Chapman</i>   |
| 10:00 am – 11:45 am      | <b>WAP/WSCI Plenary</b><br><b>Edwin E. Osgood Awardee</b><br><b>WSCI Outstanding Investigator Award</b><br><b>WAP/WSCI Distinguished Lectureship</b><br><b>WAP/WSCI Business Meeting</b><br><i>Carmel Women’s Club</i>  |
| 11:45 am – 12:45 pm      | <b>Investigator Workshop</b><br><b>How to Publish: Tips from the Editor</b><br><i>(Fellows, Trainees, and Jr. Faculty)</i><br><i>Food Truck in Sunset Center Parking Lot</i><br><b>Michael McPhaul</b><br><b>Richard McCallum</b><br><i>Editor, Journal of Investigative Medicine - High Impact Case Reports</i><br><i>Sunset Center – Green Room</i>   |
| 12:45 pm – 3:00 pm       | <b>Concurrent Sessions</b><br><i>Sunset Center</i><br>Adolescent Medicine and General Pediatrics I – <i>Room 5</i><br>Cardiovascular I – <i>Promenade Lobby</i><br>Endocrinology and Metabolism I – <i>Carmel Women’s Club</i><br>Healthcare Delivery Research I – <i>Babcock #6</i><br>Immunology and Rheumatology I – <i>Chapman #4</i><br>Infectious Diseases I – <i>Conductor’s Room</i><br>Neonatology – General I – <i>Studio 105</i><br>Neonatology – Pulmonary I – <i>Rehearsal Room</i><br>Surgery I – <i>Green Room</i> |
| 3:00 pm – 3:15 pm        | <b>BREAK</b>  |

|  |   |
|--|---|
| <p><b>3:15 pm – 5:45 pm</b></p>        | <p style="text-align: center;"><b>Concurrent Sessions</b><br/><i>Sunset Center</i></p> <p>Cardiovascular II – <i>Promenade Lobby</i><br/> Diversity, Equity, Inclusion I – <i>Conductor’s Room</i><br/> Healthcare Delivery Research II – <i>Room 5</i><br/> Hematology and Oncology I – <i>Green Room</i><br/> Neonatology – General II – <i>Babcock #6</i><br/> Neonatology – Pulmonary II – <i>Rehearsal Room</i><br/> Neuroscience I – <i>Chapman #4</i><br/> Pulmonary and Critical Care I – <i>Studio 105</i><br/> Surgery II – <i>Carmel Women’s Club</i></p>  |
| <p><b>6:00 pm – 8:00 pm</b></p>        | <p style="text-align: center;"><b>Welcome Reception and Poster Session</b><br/><i>Jointly sponsored by</i></p> <p style="text-align: center;"><b>WAFMR, WAP, WSCI, WSMRF, and WSPR</b></p> <p style="text-align: center;"><b>Odd numbered posters present from 6-7 pm</b><br/> <b>Even numbered posters present from 7-8 pm</b></p> <p style="text-align: center;"><i>All welcome and encouraged to attend</i></p> <p style="text-align: center;"><b>Posters 1-62</b></p> <p style="text-align: center;"><i>All Saints Church, Seccombe Hall</i><br/> Ninth Avenue &amp; Dolores St.<br/> <i>and</i></p> <p style="text-align: center;"><b>Posters 63-102</b></p> <p style="text-align: center;"><i>Sunset Center, Carpenter Hall</i></p> |
| <p><b>7:00 pm – 9:00 pm</b></p>        | <p style="text-align: center;"><b>WSPR Abbott Nutrition Reception</b><br/> Open to all WSPR members, trainees, and guests<br/> <i>Il Fornaio, Ocean Avenue Room</i></p>   |
| <p><b>8:30 pm – 10:00 pm</b></p>       | <p style="text-align: center;"><b>WSPR Council Dinner</b><br/> <i>(by invitation only)</i><br/> <i>Restaurant TBD</i></p>   |
| <p><b>FRIDAY, JANUARY 20, 2023</b></p> |   |
| <p><b>7:30 am – 5:00 pm</b></p>        | <p style="text-align: center;"><b>Registration</b><br/> <i>Sunset Center – Entry Lobby</i></p>  |
| <p><b>7:30 am – 5:00 pm</b></p>        | <p style="text-align: center;"><b>Speaker Ready Room</b><br/> <i>Sunset Center</i></p>  |
| <p><b>8:00 am – 10:00 am</b></p>       | <p style="text-align: center;"><b>Concurrent Sessions</b><br/><i>Sunset Center</i></p> <p>Adolescent Medicine and General Pediatrics II – <i>Studio 105</i><br/> Cardiovascular III – <i>Promenade Lobby</i><br/> Case Reports I – <i>Carpenter Hall</i><br/> Endocrinology and Metabolism II – <i>Carmel Women’s Club</i><br/> Gastroenterology – <i>Babcock #6</i><br/> Genetics I – <i>Rehearsal Room</i><br/> Neonatology – General III – <i>All Saints Church, Seccombe Hall</i><br/> Neonatology – Perinatal Biology I – <i>Chapman #4</i><br/> Surgery III – <i>Room 5, Sunset Center</i></p>  |

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|----------------------------|--|
| <b>10:00 am – 10:15 am</b> | <b>BREAK</b>   |
| <b>10:15 am – 12:30 pm</b> | <p><b>Concurrent Sessions</b><br/><i>Sunset Center</i></p> <p>Behavior, Development and Psychology I – <i>Chapman #4</i><br/> Diversity, Equity, Inclusion Research II – <i>Promenade Lobby</i><br/> Healthcare Delivery Research III – <i>Babcock #6</i><br/> Hematology and Oncology II – <i>Carpenter Hall</i><br/> Infectious Diseases II – <i>Carmel Women’s Club</i><br/> Morphogenesis and Malformations – <i>Rehearsal Room</i><br/> Neonatology – General IV – <i>All Saints Church, Seccombe Hall</i><br/> Nephrology and Hypertension – <i>Green Room</i><br/> Neuroscience II – <i>Studio 105</i><br/> Surgery IV – <i>Room 5, Sunset Center</i></p> |
| <b>12:00 pm – 1:30 pm</b>  | <p><b>Lunch available on-site for nominal charge</b><br/> Food Truck in Sunset Center Parking Lot<br/> Serving Mexican Fare</p>  |
| <b>12:30 pm – 1:30 pm</b>  | <p><b>Investigator Workshop</b><br/> <i>(This talk is aimed at Jr. faculty and fellows, students and trainees also welcome to attend) – Lunch available at food truck</i></p> <p><b>Mentoring and networking for the clinician and scientist</b><br/> <i>Charles Edelstein, MD</i><br/> <i>UCHealth University of Colorado</i><br/> <i>Sunset Center – Green Room</i></p>  |
| <b>1:00 pm – 1:45 pm</b>   | <p><b>Coffee and Dessert Buffet</b><br/> <i>Carmel Women’s Club</i></p>  |
| <b>1:45 pm – 4:15 pm</b>   | <p><b>Joint Plenary Session</b></p> <p><b>WAFMR, WAP, WSCI, WSMRF, WSPR</b><br/> WAP/WSCI Mayo Soley Award<br/> WSPR Abbott Nutrition Lowell Glasgow Student Research Award<br/> WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award<br/> WSPR Abbott Nutrition Young Investigator Research Award<br/> WSPR Stanley Wright Lecture<br/> WSPR St. Gene Educator Award<br/> <i>Carmel Women’s Club</i></p>   |
| <b>4:15 pm – 5:00 pm</b>   | <p><b>WSPR Business Meeting</b><br/> <i>Mariana Baserga and Henry Lee Presiding</i><br/> <b>All WSPR members invited</b><br/> <i>Carmel Women’s Club</i></p>   |
| <b>4:15 pm – 5:15 pm</b>   | <p><b>WAFMR Business Meeting and Reception</b><br/> <b>All WAFMR members invited</b><br/> <i>Ricardo Correa, Presiding</i><br/> <i>Sunset Center – Chapman Room</i></p>  |

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|-----------------------------------|---|
| 5:15 pm – 6:15 pm                 | <p align="center"><b>David Rimoin Lectureship</b><br/> <b>The Genetics of Brain Malformations</b><br/> Ghayda Mirzaa, <i>University of Washington and Seattle Children’s Hospital</i><br/> <i>Sunset Center – Carpenter Hall</i></p>  |
| 5:30 pm – 7:30 pm                 | <p align="center"><b>WAP/WSCI Council Meeting</b><br/> <i>(by invitation only)</i><br/> Cantinetta Luca - Wine Room<br/> <i>Dolores St. and Ocean Ave.</i></p>  |
| 6:00 pm – 8:00 pm                 | <p align="center"><b>WSPR Reckitt/Mead Johnson Nutrition<br/> Junior Faculty Travel Award<br/> &amp;<br/> Western Perinatal Club<br/> Leveraging the Placenta to Improve Neonatal Care</b><br/> Karen Mestan, <i>Rady Children’s Hospital</i><br/> <i>University of California San Diego</i><br/> <i>Open to all WSPR, AAP, and CAN Members and Guests</i></p> <p align="center"><b>Western Perinatal Club Briefing</b><br/> <i>Carmel Women’s Club</i></p>   |
| 6:15 pm – 7:15 pm                 | <p align="center"><b>Dysmorphology Club</b><br/> <i>Supported by Abbott Nutrition</i><br/> <i>Sunset Center – Carpenter Hall</i></p>  |
| <b>SATURDAY, JANUARY 21, 2023</b> |   |
| 7:30 am – 12:00 pm                | <p align="center"><b>Speaker Ready Room</b><br/> <i>Sunset Center</i></p>   |
| 7:30 am – 10:00 am                | <p align="center"><b>Registration</b><br/> <i>Sunset Center – Entry Lobby</i></p>   |
| 8:00 am – 10:00 am                | <p align="center"><b>Concurrent Sessions</b><br/> <i>Sunset Center</i></p> <p>Behavior, Development and Psychology II – <i>Chapman #4</i><br/> Diversity, Equity and Inclusion III – <i>Room 5, Sunset Center</i><br/> Endocrinology and Metabolism III – <i>Green Room</i><br/> Genetics II – <i>Rehearsal Room</i><br/> Healthcare Delivery Research IV – <i>Babcock #6</i><br/> Neonatology – General V – <i>Carpenter Hall</i><br/> Neonatology – Perinatal Biology II – <i>Studio 105</i><br/> Pulmonary and Critical Care II – <i>Promenade Lobby</i></p> |
| 10:00 am – 10:15 am               | <b>BREAK</b>  |
| 10:15 am – 12:00 pm               | <p align="center"><b>Concurrent Sessions</b><br/> <i>Sunset Center</i></p> <p>Case Reports II – <i>Promenade Lobby</i><br/> Genetics III – <i>Rehearsal Room</i><br/> Healthcare Delivery Research V – <i>Babcock #6</i><br/> Hematology and Oncology III – <i>Green Room</i><br/> Immunology and Rheumatology II – <i>Room 5</i></p>   |

|                           |   |
|---------------------------|---|
|                           | Neonatology – General VI – <i>Carpenter Hall</i><br>Neonatology – Pulmonary III – <i>Conductor’s Room</i><br>Neuroscience III – <i>Studio 105</i> |
| <b>12:15 pm – 2:00 pm</b> | <b>Society Officers Planning Meeting</b><br><i>(by invitation only)</i><br><i>Sunset Center – Chapman #4</i>                                      |

## CME CERTIFICATION

This Live activity, 2023 Western Medical Research Conference, with a beginning date of January 19, 2023, is accredited for **19.50** 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 25, 2023**. 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 28, 2023**. Duplicate certificates are available at any time.

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## INVITED SPEAKERS

**Thursday, January 19, 2023**

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

***Jose M. Garcia, VA Puget Sound Healthcare System***

*WSCI Outstanding Investigator Awardee*

From Bench to Bedside: Developing Treatments for Cancer Cachexia

10:15 AM – 11:00 AM

*Carmel Women's Club*

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

***David Gilbert, Providence Portland Medical Center***

*WAP/WSCI Distinguished Lectureship*

The Past, Present, and Future of Infectious Diseases: A Personal Perspective

11:00 AM – 11:45 AM

*Carmel Women's Club*

### **Neonatology Pulmonary I**

***Cassidy Delaney, University of Colorado Medicine, Children's Colorado***

*WSPR Chiesi State-of-the-Art Speaker*

Platelets: Bystander or Driver of Inflammatory Mediated Vascular Remodeling and Pulmonary Hypertension?

1:30 PM - 2:00 PM

Rehearsal Room, Sunset Center

### **Endocrinology and Metabolism I**

***Stefanie Page, University of Washington***

*State of the Art Speaker:*

Male Hormonal Contraception: Addressing an Unmet Public Health Need?

1:45 PM - 2:15 PM

Carmel Women's Club

### **Adolescent Medicine and General Pediatrics I**

***Tandy Aye, Stanford Medicine***

*Prolacta State-of-the-Art Speaker*

Current Hot Topics in Gender Medicine

2:00 PM - 2:30 PM

Carpenter Hall, Sunset Center

### **Cardiovascular I**

***Orfeo Sbaizero, University of Trieste, University of Colorado Anschutz Medical Campus***

*State of the Art Speake*

Investigating the biophysical basis of arrhythmogenic cardiomyopathies

2:30 PM - 3:00 PM

Promenade Lobby, Sunset Center

### **Neonatology Pulmonary II**

***Michael A. O'Reilly, University of Rochester***

*University of Utah Inaugural Kurt L. Albertine State-of-the-Art Lecture*

Oxygen at birth: More than a gas to breathe

4:00 PM - 4:30 PM

Rehearsal Room, Sunset Center

### **Neonatology General II**

***Anca Pasca, Stanford University***

*Stanford University Philip Sunshine State-of-the-Art Speaker*

Investigating Neurodevelopmental Disorders Using Human Brain Organoids

4:15 PM - 4:45 PM

Babcock #6, Sunset Center

## **Friday, January 20, 2023**

### **Neonatology General III**

***Denise Al Alam, UCLA***

*UCLA Vedang Londhe Memorial State-of-the-Art Speaker*

Understanding human lung development

8:15 AM - 8:45 AM

All Saints Church, Seccombe Hall

### **Neonatology - Perinatal Biology I**

***Evan Snyder, Sanford Burnham Prebys Medical Discovery Institute***

*University of Colorado Fred Battaglia State-of-the-Art Speaker*

Mechanistic underpinnings for a clinical trial testing the neuroprotective efficacy of human neural stem cells in perinatal asphyxia

9:30 AM - 10:00 AM

Chapman #4, Sunset Center

### **Neonatology General IV**

***Diana Montoya-Williams, Children's Hospital of Philadelphia***

*University of Southern California Joan E. Hodgman State-of-the-Art Lecture*

Inequities by Race, Ethnicity & Nativity: A Journey towards Anti-Racist Research

10:45 AM - 11:15 AM

All Saints Church, Seccombe Hall

### **Behavior, Development and Psychology I**

***Ty Vernon, University of California Santa Barbara***

*UC Davis Robin Hansen State-of-the-Art Speaker*

Motivation-Based Intervention Strategies for Children and Adults with Autism

11:00 AM - 11:30 AM

Chapman #4, Sunset Center

### **Morphogenesis and Malformations**

***Matthew Deardorff, Children's Hospital Los Angeles, Keck School of Medicine***

*Prolacta State-of-the-Art Speaker*

Human Cohesinopathies: Embracing These Rare Disorders

Friday, January 20, 2023

11:15 AM - 11:45 AM

Rehearsal Room, Sunset Center



**Joint Plenary Session**

WAP/WSCI Mayo Soley Award

**Presenter: Kristen Nadeau, Children's Hospital Colorado**

**Recipient: Jane Reusch, University of Colorado School of Medicine**

Friday, January 20, 2023

1:45 PM - 2:00 PM

Carmel Women's Club

**Joint Plenary Session**

**Robert Dietz, University of Colorado School of Medicine**

*WAFMR Young Investigator Award*

A novel model of neonatal global ischemia to improve translational strategies for hypoxic-ischemic encephalopathy

2:00 PM - 2:15 PM

Carmel Women's Club

**Joint Plenary Session**

**Tim Bahr, University of Utah, Intermountain Healthcare**

*WSPR Abbott Nutrition Young Investigator Research Award*

**TBD**

2:45-3:15 PM

Carmel Women's Club

**Joint Plenary Session**

**Grace Lee, Stanford Children's Health**

*WSPR Stanley Wright Memorial Lecture*

COVID 19 Vaccines: Decision Making During A Pandemic

3:15-3:45 PM

Carmel Women's Club

**David Rimoin Lectureship**

**Ghayda Mirzaa, University of Washington and Seattle Children's Hospital**

The Genetics of Brain Malformations

5:15 pm – 6:15 pm

Sunset Center – Carpenter Hall

**Saturday, January 21, 2023****Immunology and Rheumatology II**

**Jane Hoyt Buckner, Benaroya Research Institute, University of Washington**

*State-of-the-Art Speaker*

Regulatory T cells in T1D – from GWAS to gene editing

Jane Hoyt Buckner, Benaroya Research Institute, University of Washington

10:15 AM - 10:45 AM

Conductor's Room, Sunset Center

## 2023 Western Medical Research Conference Award Winners



### *AFMR Henry Christian Award*

Jorge Rodriguez-Gil, Stanford University, Stanford University, NHGRI/NIH  
Neema Pithia, University of California Los Angeles  
Dallin Hubbard, University of Utah

### *Edwin E. Osgood Award*

Anthony Adducci, University of Colorado School of Medicine

### *WAFMR Young Investigator Award*

Robert Dietz, University of Colorado School of Medicine

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

Alyssa Becker, Oregon Health & Science University, John A. Burns School of Medicine,  
University of Hawaii  
Nathaniel DeMarco, Western University of Health Sciences  
Aspen Johnston, University of Colorado School of Medicine  
Jenny Liu, The Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center,  
Fudan University Shanghai Medical College  
Rachel Livergant, University of Alberta, University of British Columbia  
Van Nguyen, University of Washington School of Medicine  
Jacob Plaisted, University of Colorado School of Medicine  
Caitlin Robinson, University of Colorado, School of Medicine  
John Rustad, University of Utah, University of Vermont College of Medicine  
Brandon Scott, University of California San Diego  
Daniil Sokolov, Loma Linda University School of Medicine  
Julia Tryon, University of Washington

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

Blake Adnani, University of Southern California

### *WAP/WSCI Travel Award*

Zayna Bakizada, Oregon Health & Science University  
Joshua Bloomstein, University of Washington  
Daniel Carlson, University of Colorado Anschutz Medical Campus  
Emilie Foltz, Oregon Health and Science University, Washington State University Elson S.  
Floyd College of Medicine  
Sheiphali Gandhi, University of California San Francisco  
Alisa Goldrich, Harbor UCLA Medical Center  
Ian Marpuri, Children's Hospital Los Angeles  
Khalid Taha, University of British Columbia

Stuti Tanya, McGill University  
Erika Tiemeier, University of Colorado Anschutz Medical Campus  
Aniekanabasi Udoko, University of Colorado School of Medicine

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

Michael Cookson, University of Colorado

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

Ellese Lupori, Western University of Health Sciences, The Center for Orthopedic and  
Neurosurgical Care & Research

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

Elizabeth McGinn, University of Colorado

***WSPR Abbott Nutrition Subspecialty Award***

Joshua DeJong, Madigan Army Medical Center  
Esther Kim, University of California, Los Angeles  
Jillian Kirk, University of Colorado Anschutz Medical Campus, Children's Hospital Colorado  
Sydney Martin, Children's Hospital Colorado  
Ana Starcevich, UC Davis School of Medicine  
Zoë Vordos, University of Utah  
Hui Zhao, Stanford University School of Medicine

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

Timothy Bahr, University of Utah, Intermountain Healthcare

***WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award***

Jill Chang, University of Colorado Denver  
Erik Frandsen, Rady's Children's Hospital  
Kathleen Hannan, University of Colorado

***WSPR Reckitt/Mead Johnson Nutrition Travel Award***

Adriana Gomes, University of California San Diego  
Caroline Harrison, University of Colorado Denver, University of Colorado School of Medicine  
Ishani Jhamb, University of California San Diego, Rady Children's Hospital  
Sheila Razdan, Stanford University School of Medicine  
Eniko Sajti, University of California San Diego  
Dayna Stout, Rady Children's Hospital San Diego  
Jeremy Woods, Valley Children's Hospital, Stanford University

***WSPR Prolacta Research Travel Award***

Mia Dobbin, Rocky Vista University  
Carolyn Fall, UC San Diego, Rady Children's Hospital  
Maya Grayck, University of Colorado Anschutz Medical Campus  
Sophie Hochhauser, University of Utah  
Van Ma, University of California Davis  
Manas Tetarbe, University of Southern California  
Christopher Torsitano, University of Utah

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

**Thursday, January 19, 2023**

**10:00 AM – 11:45 AM**

*Carmel Women's Club*

*Fred Buckner and W. Conrad Liles, Presiding*

**10:00 EDWIN E. OSGOOD AWARDEE**

**INTERLEUKIN-2 KINASE-MEDIATED T-CELL RECEPTOR SIGNALING IS CRITICAL IN THE DEVELOPMENT OF TYPE 1 DIABETES BY OT-1 T-CELLS.**

*AJ Adducci, L Perrenoud and L Berg, Aurora, CO. University of Colorado School of Medicine*

Abstract 1

**10:15 WSCI OUTSTANDING INVESTIGATOR AWARDEE**

**FROM BENCH TO BEDSIDE: DEVELOPING TREATMENTS FOR CANCER CACHEXIA.**

*Jose M. Garcia, MD, PhD, VA Puget Sound Healthcare System*

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

**THE PAST, PRESENT, AND FUTURE OF INFECTIOUS DISEASES: A PERSONAL PERSPECTIVE**

*David Gilbert, MD, Providence Portland Medical Center*

**11:45 ADJOURN**

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

**CONCURRENT SESSIONS**

**Thursday, January 19, 2023  
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.....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 .....Green Room**

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**Adolescent Medicine and General Pediatrics I**  
Room 5 (Sunset Center)  
*Dana Gerstbacher, Presiding*

**12:45 THE EFFECT OF THE COVID-19 PANDEMIC ON ANXIETY AND  
DEPRESSION IN ADOLESCENTS IN THE MILITARY POPULATION.**  
*J DeJong, J Sakai and K Woodruff, JBLM, WA. Madigan Army Medical Center (WSPR  
Abbott Nutrition Subspecialty Award)*

Abstract 2

**1:00 DOLLARS & SENSE: A SCHOOL-BASED EFFORT TO INCREASE FINANCIAL  
LITERACY IN HIGH SCHOOL STUDENTS.**  
*L Bautista, S Regalado, M Long, E Hernandez, K Colwell and R Kinman, Fresno, CA.  
Fresno High School*

Abstract 3

**1:15 FOSTERING THE NEXT GENERATION OF HEALTHCARE LEADERS IN A  
PANDEMIC WORLD.**  
*A Rivera, N Garza, SJ Cruz and R Kinman, San Francisco, CA; Merced, CA; Fresno, CA.  
University of California San Francisco*

Abstract 4

**1:30 WALKABILITY OF SAN BERNARDINO COUNTY’S ELEMENTARY  
SCHOOLS IN RELATION TO VARIOUS SCHOOL CHARACTERISTICS.**

**1:45 PLACEBO-CONTROLLED TRIAL IN TANNER 2-3 MALES WITH KLINEFELTER SYNDROME: EFFECT OF TESTOSTERONE GEL VERSUS PLACEBO IN MOTOR SKILLS OUTCOMES.**

*CR Harrison, SJ Martin, R Boada, S Howell, W Mundo, T Tanda and N Tartaglia, Denver, CO; Aurora, CO; Birmingham, AL. University of Colorado School of Medicine (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award) (WAFMR)*

Abstract 6

**2:00 *Prolacta State-of-The Art Speaker:*  
CURRENT HOT TOPICS IN GENDER MEDICINE  
*Tandy Aye, Stanford Medicine***

**2:30 MY IMPLANT IS EXPIRING: A NATIONAL SECRET SHOPPER STUDY OF EXTENDED USE OF THE CONTRACEPTIVE IMPLANT.**

*M Pai, N Rigler, A Ribeiro de Oliveira and S Mody, La Jolla, CA. University of California San Diego (WSMRF)*

Abstract 7

**2:45 COMPARING THE EFFECTS OF AEROBIC EXERCISE AND YOGA ON STRESS LEVELS IN COLLEGE STUDENTS.**

*A Lin, M King and E Graham, St. Peter, MN; Somers, WI. Gustavus Adolphus College*

Abstract 8

**Cardiovascular I**

Promenade Lobby (Sunset Center)

*Luisa Mestroni, Presiding*

**12:45 ARE PATIENTS WITH A HISTORY OF CHEST RADIATION THERAPY AT HIGHER RISK FOR STERNAL WOUND PROBLEMS AFTER HEART TRANSPLANT?**

*Y Oda, N Patel, S Kim, T Singer-Englar, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 9

**1:00 EXTRACELLULAR RIBOSOMAL PROTEINS IN MYOCARDIAL HEALING.**

*AV Thai, CI Doescher, DK Agrawal and FG Thankam, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*

Abstract 10

**1:15 SMALL MOLECULE READTHROUGH COMPOUND GJ103 PREVENTS HERITABLE PULMONARY ARTERIAL HYPERTENSION IN A MOUSE MODEL.**

*J Liu, CF Leng, Y Wang, L Afrose, J Liu, T Dao, R Sakurai, O Naveed, S Umar and V*

Rehan, Torrance, CA; Shanghai, , China; Los Angeles, CA. *The Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center Fudan University Shanghai Medical College (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 11

**1:30 NOVEL VIRTUAL REALITY EXPERIENCE FOR STRESS REDUCTION AMONG PATIENTS WITH/AT RISK FOR CARDIOVASCULAR DISEASE.**

*KE Makaroff, C Van, V Grospe, L Edmunds, M Calfon-Press, K Watson and T Horwich, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 12

**1:45 DOES AN OPTIMAL LIPID PANEL AFFECT OUTCOME AFTER HEART TRANSPLANTATION?**

*S Thein, S Kim, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 13

**2:00 DISEASE AWARENESS AND CONTRACEPTIVE USE IN PATIENTS WITH CARDIAC DISEASE IN A LOW-RESOURCE SETTING.**

*A Goldrich, P Bailey, J Woodley, P Pillutla, J Russo and H Stohl, Torrance, CA; Richmond, CA. Harbor UCLA Medical Center (WAP/WSCI Travel Award Winner)*

Abstract 14

**2:15 MACHINE LEARNING PULSE OXIMETRY IMPROVES CRITICAL CONGENITAL HEART DISEASE SCREENING.**

*H Siefkes, L Cerny Oliveria, R Koppel, W Hogan, M Garg, E Manalo, N Cresalia, Z Lai, D Tancredi, C Chuah and S Lakshminrusimha, Davis, CA; Queens, NY; Salt Lake City, UT; Los Angeles, CA; Sac, CA; San Francisco, CA. UC Davis*

Abstract 15

**2:30 *State-of-The-Art Speaker:***

**INVESTIGATING THE BIOPHYSICAL BASIS OF ARRHYTHMOGENIC CARDIOMYOPATHIES.**

*Orfeo Sbaizero, University of Trieste, University of Colorado Anschutz Medical Campus*

**Endocrinology and Metabolism I**

Carmel Women's Club

*Stefanie Page, Presiding*

**12:45 A NEW APPROACH IN DETECTING DIABETIC PERIPHERAL NEUROPATHY: THERMAL IMAGING OF THE PLANTAR FOOT.**

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

Abstract 16

**1:00 SUBCLINICAL AUTONOMIC NEUROPATHY IN TYPE 2 DIABETES.**

A Johnston, LA Abushamat, D Enge, E Clark, JG Regensteiner and JE Reusch, Aurora, CO; Houston, TX; Denver, CO. *University of Colorado School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 17

**1:15 DIABETES DISTRESS IN THE PEDIATRIC POPULATION MAY SOMETIMES BE INVISIBLE.**

*T Imai and R Kinman, Fresno, CA; Vallejo, CA. Touro University*

Abstract 18

**1:30 DIABETES GAMIFICATION: ASSESSING DIABETES KNOWLEDGE WHILE DECREASING APPOINTMENT STRESS IN A PEDIATRIC DIABETES CLINIC.**

*T Nguyen, N Chaudhary and R Kinman, Fresno, CA. University High School*

Abstract 19

**1:45 *State-of-The-Art Speaker:***

**MALE HORMONAL CONTRACEPTION: ADDRESSING AN UNMET PUBLIC HEALTH NEED?**

*Stefanie Page, University of Washington*

**2:15 HOW DOES PHYSICAL ACTIVITY AFFECT WEIGHT MANAGEMENT TREATMENT OUTCOMES IN CHILDREN WITH OBESITY?**

*N Limberg, SJ Melhorn, M De Leon, BE Saelens, CL Roth and E Schur, Spokane, WA; Seattle, WA. Elson S. Floyd College of Medicine (WSMRF)*

Abstract 20

**2:30 SELECT DELIVERY COMPLICATIONS IN MORBIDLY OBESE PATIENTS.**

*M Estafanous, C Brewer, K Sterris, S Hart, L Manzanete, L Shields, C Mansour and E Hart, Loma Linda, CA; San Diego, CA. Loma Linda University School of Medicine*

Abstract 21

**2:45 COMPARING METABOLIC SATIETY EFFECTS OF TWO AMINOPYRIDINE KV1 CHANNEL BLOCKERS.**

*JL Styadi, E Giang, C Hessinger, D Bellinger and R Hartman, Loma Linda, CA. Loma Linda University*

Abstract 22

**Healthcare Delivery Research I**

Babcock #6 (Sunset Center)

*Susan Graham, Presiding*

**12:45 ETIOLOGY AND INCIDENCE OF DRY EYE DISEASE IN GUATEMALA.**

*GA Ung, C Nguyen, TT You, F Dong and S Fuchs, Pomona, CA; Santa Ana, CA. Western University of Health Sciences*

Abstract 23

**1:00 BARRIERS TO ACCESSING HEALTH SERVICES IN RURAL KENYA: A**



**COMMUNITY PERCEPTION SURVEY.**

*P Baadh, C Uzoukwu, MK Bassi, K Mulli, N Mulli, C Mulli and B Fassl, Rootstown, OH; Yatta Sub-county, Kenya. Northeast Ohio Medical University*

Abstract 24

**1:15 CREATING A TOOL FOR RAPID ASSESSMENT OF COMMUNITY HEALTH NEEDS AND BARRIERS IN RURAL AFRICA: KENYA CASE STUDY.**

*MK Bassi, PK Baadh, C Uzoukwu, K Mulli, N Mulli, C Mulli and B Fassl, Rootstown, OH; Yatta Sub-County, Kenya. Northeast Ohio Medical University*

Abstract 25

**1:30 PROMOTING HEALTH COMMUNICATION AND EDUCATION ON SICKLE CELL DISEASE IN RURAL NEPAL BY PARTNERING WITH LOCAL COMMUNITY HEALTHCARE WORKERS.**

*Y Deng, R Hong, C Bhatla, C Harrigan and C Lanz, Vancouver, BC, Canada. University of British Columbia*

Abstract 26

**1:45 ACCESS TO SICKLE CELL DISEASE TREATMENT IN THE INDIGENOUS THARU POPULATION OF NEPAL.**

*S Starkey, C Lanz, K Gray and V Kapoor, Vancouver, BC, Canada. UBC Faculty of Medicine*

Abstract 27

**2:00 NEEDLES, NARCAN, AND NEIGHBORHOOD SERVICES: REIMAGINING SYRINGE ACCESS IN KETCHIKAN, ALASKA.**

*S Nethercut, Seattle, WA. University of Washington School of Medicine*

Abstract 28

**2:15 HARM REDUCTION STRATEGIES TO LOWER OPIOID MORTALITY IN SOUTHCENTRAL ALASKA.**

*IJ Richey, Seattle, WA. University of Washington (WSMRF)*

Abstract 29

**2:30 THE EFFECT OF SENATE BILL-159 ON THE PROVISION OF HIV PRE- AND POST-EXPOSURE PROPHYLAXIS IN SACRAMENTO, CALIFORNIA.**

*HR Kathi, LC Xu, A Dao, S Lai, Z Nicholas and V Gerriets, Elk Grove, CA; French Camp, CA. California Northstate University College of Medicine*

Abstract 30

**2:45 NUTRITIONAL RECOMMENDATIONS FOR FERTILITY AS PROMOTED ON SOCIAL MEDIA.**

*N Sims, H Egnaw, TL Carroll, A Modesette, L Blair and AL Nelson, Lebanon, OR. Western University of Health Sciences COMPNW*

Abstract 31

## **Immunology and Rheumatology I**

Chapman #4 (Sunset Center)

*Kevin Deane, Presiding*

### **12:45 HIGH DOSE IVIG IN MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN AND RESPONSE TO TREATMENT.**

*M Soneji, Loma Linda, CA. Loma Linda University*

Abstract 32

### **1:00 SEROLOGICAL ASSESSMENT OF THE EFFECTIVENESS OF OSTEOPATHIC MANIPULATIVE TO AUGMENT THE COVID-19 VACCINE IMMUNE RESPONSE.**

*E Martinez, B Loveless, P Crone, H Szurmant, S Fuchs and J Sanchez, Pomona, CA. Western University of Health Sciences (WSMRF)*

Abstract 33

**1:15**

### **INCREASED POPULATION OF CD40+ FIBROBLASTS IS ASSOCIATED WITH IMPAIRED WOUND HEALING AND CHRONIC INFLAMMATION IN DIABETIC FOOT ULCERS.**

*JP Littig, R Moellmer, DK Agrawal and V Rai, Pomona, CA. Western University of Health Sciences*

Abstract 34

### **1:30 ASSESSING CAUSES OF HILAR LYMPHADENOPATHY.**

*GR Triant and M Baker, Tucson, AZ; Palo Alto, CA. University of Arizona College of Medicine - Tucson Stanford University*

Abstract 35

### **1:45 COLD AGGLUTININ-INDUCED HEMOLYTIC ANEMIA IN AN ADOLESCENT WITH OVERLAP SYNDROME.**

*A Emamian and S Sukumaran, Madera, CA. Valley Children's Healthcare*

Abstract 36

### **2:00 UNCOVERING MICROSCOPIC POLYANGIITIS IN THE SETTING OF CHRONIC INTERSTITIAL NEPHRITIS.**

*R Kumra, S Singh, R Doris, K Young and M Jasser, Phoenix, AZ. University of Arizona College of Medicine - Phoenix*

Abstract 37

### **2:15 DRUG- INDUCED LUPUS DUE TO ETHOSUXIMIDE IN AN 11-YEAR-OLD MALE.**

*R Sanghavi and S Sukumaran, Madera, CA. Valley Children's Hospital*

Abstract 38

### **2:30 DISCREPANCIES IN MELOXICAM COX INHIBITION BETWEEN BALL PYTHONS AND HUMANS.**

NR Gilbert, V Zhong, M Issar, S Fuchs and C Eng, Pomona, CA. *Western University of Health Sciences*

Abstract 39

**2:45 ATYPICAL PRESENTATION OF HYPERURICEMIA AND TOPHACENOUS GOUT.**

NC Trang, N Kamal, J Douglas, M Beuca, H Lai, E Cobos and S Eppanapally, Bakersfield, CA. *Kern Medical*

Abstract 40

**Infectious Diseases I**

Conductor's Room

*Fred Buckner and Arash Heidari, Presiding*

**12:45 VIRULENCE AND GENOMIC ANALYSIS OF *S. EPIDERMIDIS* HEALTHY SKIN ISOLATE AH6072.**

A Cao, K Mills, A Nguyen and A Horswill, Aurora, CO. *University of Colorado Anschutz Medical Campus*

Abstract 41

**1:00 SURFACTANT PROTEIN B REDUCES RESPIRATORY VIRAL INFECTIVITY IN HUMAN LUNGS.**

SL Leibel, R McVicar, R Murad, E Snyder and B Croker, San Diego, CA. *UCSD SBP (WSPR)*

Abstract 42

**1:15 MECHANISTIC INVESTIGATION OF T-CELL SEQUESTRATION DURING THE LESIONAL PHASE OF HERPES SIMPLEX VIRUS TYPE 2 INFECTION.**

J Tryon and J Zhu, Seattle, WA. *University of Washington (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 43

**1:30 EXPLORING THE ROLE OF  $Na^+/K^+$  ATPASE MEDIATED INFLAMMASOME ACTIVATION AS**

**A POSSIBLE INTERVENTION AGAINST TUBERCULOSIS.**

P Kishore, JF Reijneveld and S Suliman, Pomona, CA; San Francisco, CA. *Western University of Health Sciences University of California*

Abstract 44

**1:45 IMPACT OF PANDEMIC ON RETURN OF ENDEMIC.**

R Sharma, C D'Assumpcao, M Valdez, R Johnson, R Kuran and A Heidari, Bakersfield, CA; Los Angeles, CA. *Kern Medical David Geffen School of Medicine, UCLA*

Abstract 45

**2:00 FREQUENCY AND DURATION OF SEVERE ACUTE RESPIRATORY SYNDROME CORONA VIRUS-2 (SARS-COV-2) IN FECES OF BREASTFEEDING MOTHERS WITH AND WITHOUT CONFIRMED**

**COVID-19.**

AG Morse, E King-Nakaoka, R Pace, JE Williams, C Meehan, M Martin, S Ley, C Barbosa-Leiker, MA McGuire and MK McGuire, Seattle, WA; Moscow, ID; Pullman, WA; New Orleans, LA. *University of Washington (WSMRF)*

Abstract 46

**2:15 ASSESSMENT OF MRSA RESISTANCE TO NOVEL ANTIBIOTIC.**

E Pong, JR Gillespie, N Molasky and F Buckner, Seattle, WA. *University of Washington School of Medicine*

Abstract 47

**2:30 A FIRST LOOK AT THE T CELL IMMUNE RESPONSE TO ENTEROVIRUS D68: EPITOPE MAPPING AND T CELL CHARACTERIZATION.**

K Austin, J Berger and L Berg, Aurora, CO. *University of Colorado*

Abstract 48

**2:45 ENHANCING MOBILE TELEDERMATOLOGY FOR COMMUNITY HEALTHCARE WORKERS IN RURAL NEPAL.**

S Ahuja, N Pradhan, S K.C. and E Shrestha, Seattle, WA; Dhulikhel, Nepal. *University of Washington*

Abstract 49

**Neonatology General I**

Studio 105 (Sunset Center)

*Manoj Biniwale and Robert Dietz, Presiding*

**12:45 LOCATION, LOCATION, LOCATION: THE ASSOCIATION BETWEEN NEIGHBORHOOD FACTORS AND VERY LOW BIRTHWEIGHT INFANT CARE PROCESSES AND OUTCOMES.**

S Razdan, J Liu, S Shariff-Marco, J Magana, SL Carmichael and J Profit, Palo Alto, CA; San Francisco, CA. *Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award) (WSPR)*

Abstract 50

**1:00 ALTERATIONS IN PLACENTAL GENE EXPRESSION AND GLYCOGEN-POSITIVE CELLS IN OBESE PREGNANT MICE.**

H Zhao, RJ Wong and DK Stevenson, Stanford, CA. *Stanford University School of Medicine (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 51

**1:15 NEONATAL HYPOGLYCEMIA INDUCED AFTER INITIATION OF LATE PRETERM ANTENATAL CORTICOSTEROIDS: A SYSTEMATIC REVIEW AND META-ANALYSIS.**

K Nguyen and A Katheria, San Diego, CA; Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 52

- 1:30 SIMULATION PERFORMANCE IN AN IN-SITU SIMULATION TRAINING PROGRAM IN NEONATAL RESUSCITATION: SIMULATING SUCCESS.**  
H Lee, BN Lieu and M Bennett, Stanford, CA. *Stanford University School of Medicine*  
Abstract 53
- 1:45 NEURODEVELOPMENTAL OUTCOMES OF NEONATES WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY WITH ISOLATED WHITE MATTER INCREASED DIFFUSIVITY ON MRI.**  
A Leathe, A Sun, S Bluml, D Vanderbilt, E Ho, B Tamrazi and T Wu, Los Angeles, CA.  
*LAC+USC Medical Center*  
Abstract 54
- 2:00 EFFECT OF ZINC ON GROWTH OUTCOMES IN PRETERM NEONATES AT RISK FOR BRONCHOPULMONARY DYSPLASIA.**  
A Tarrell, M Sekhon, S Malone Jenkins and B Yoder, Salt Lake City, UT; New Westminster, Canada. *University of Utah (WSPR)*  
Abstract 55
- 2:15 NEONATAL SUBGALEAL HEMORRHAGE: TWENTY YEARS OF TRENDS IN INCIDENCE, ASSOCIATIONS, AND OUTCOMES IN A MULTI-HOSPITAL HEALTHCARE SYSTEM.**  
TR Christensen, TM Bahr, ER Henry, C Ling, T Hanton, J Page, SJ Ilstrup, NR Carr, RK Ohls and RD Christensen, Salt Lake City, UT. *University of Utah*  
Abstract 56
- 2:30 CHANGES IN TREATMENT AND OUTCOMES IN LATE PRETERM AND TERM INFANTS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY OVER TIME IN A LARGE CALIFORNIA NEONATAL COHORT.**  
CM Fall, RJ Baer, G Bandoli and CD Chambers, San Diego, CA. *UC San Diego Rady Children's Hospital (WSPR Prolacta Fellow Research Travel Award)*  
Abstract 57
- 2:45 SEPSIS SCREENING TOOL COMPARISON FOR LATE-ONSET SEPSIS SCREENING IN A LEVEL IV NEWBORN INTENSIVE CARE UNIT TO GUIDE EHR INTEGRATION IN A QUALITY IMPROVEMENT INITIATIVE.**  
K Simek, P Grubb and C Ling, Salt Lake City, UT. *University of Utah*  
Abstract 58

### **Neonatology Pulmonary I**

Rehearsal Room (Sunset Center)

*David McCulley and Clyde Wright, Presiding*

- 12:45 PERINATAL NICOTINE EXPOSURE INDUCES PREMATURE LUNG SENESCENCE.**  
D Hatai, J Liu, Y Wang, R Sakurai, L Afrose and V Rehan, Los Angeles, CA; Torrance, CA. *University of California, Los Angeles The Lundquist Institute*  
Abstract 59

- 1:00 INTRAUTERINE GROWTH RESTRICTION WITH INADEQUATE POSTNATAL NUTRITION IMPAIRS RAT LUNG MECHANICS.**  
*A Cohen, S Hochhauser, R Gage, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah Health*  
Abstract 60
- 1:15 A SURPRISING LACK OF ASSOCIATION BETWEEN SYSTEMIC SEROTONIN AND PERSISTENT PULMONARY HYPERTENSION OF THE NEWBORN.**  
*J Archambault, C Palmer, E Nozik, CC Galambos and C Delaney, Aurora, CO. University of Colorado*  
Abstract 61
- 1:30 WSPR Chiesi Neonatal Pulmonary State-of-The-Art Speaker: PLATELETS: BYSTANDER OR DRIVER OF INFLAMMATORY MEDIATED VASCULAR REMODELING AND PULMONARY HYPERTENSION?**  
*Cassidy Delaney, University of Colorado Medicine, Children's Colorado*
- 2:00 TARGETING 95-99% SPO2 DOES NOT INCREASE PULMONARY BLOOD FLOW OR OXIDATIVE STRESS IN LAMBS WITH BIRTH ASPHYXIA, MECONIUM ASPIRATION SYNDROME AND PULMONARY HYPERTENSION OF THE NEWBORN.**  
*E Giusto, D Sankaran, A Lesneski, M Hardie, H Joudi, P Vali and S Lakshminrusimha, Sacramento, CA; Davis, CA. University of California, Davis*  
Abstract 62
- 2:15 MOLECULAR AND PHENOTYPIC CHARACTERIZATION OF THE PERINATAL ELECTRONIC-CIGARETTE EXPOSURE-INDUCED EFFECTS ON BONE MARROW-DERIVED MESENCHYMAL STEM CELLS.**  
*C Yu, A Harb, J Liu, R Sakurai and V Rehan, Torrance, CA. The Lundquist Institute for Biomedical Innovation*  
Abstract 63
- 2:30 EFFECT OF ZINC ON RESPIRATORY OUTCOMES IN PRETERM NEONATES WITH BRONCHOPULMONARY DYSPLASIA.**  
*A Tarrell, M Sekhon, S Malone Jenkins and B Yoder, Salt Lake City, UT; New Westminster, , Canada. University of Utah (WSPR)*  
Abstract 64
- 2:45 COMPARISON OF NON-INVASIVE INTERFACES FOR NEONATAL RESPIRATORY SUPPORT USING BUBBLE CONTINUOUS POSITIVE AIRWAY PRESSURE IN AN ARTIFICIAL MODEL OF A NEONATAL AIRWAY.**  
*LJ Miner, AF Miner, S Cheney and B Yoder, Salt Lake City, UT; New Brunswick, NJ. University of Utah Intermountain Healthcare (WSPR)*  
Abstract 65

## **Surgery I**

Green Room (Sunset Center)

*Subhas Gupta and Lee Wong, Presiding*

**12:45 RACIAL DISPARITIES IN ELECTIVE TOTAL KNEE AND HIP REPLACEMENT SURGERIES DURING THE COVID-19 PANDEMIC: A RETROSPECTIVE STUDY OF A DIVERSE POPULATION IN WASHINGTON STATE.**

*G Alemayehu, BK Jones, S Jabbouri, R Greene, R Roux and C McAllister, Spokane, WA; New Haven, CT; Yakima, WA. Washington State University (WSMRF)*

Abstract 66

**1:00 PERIOPERATIVE PREHABILITATION IN PLASTIC SURGERY PATIENTS: MORBIDITY REDUCTION WITH WHOLE PERSON INTERVENTIONS.**

*D Sokolov, J Mauricio-Lee and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)*

Abstract 67

**1:15 BIOMECHANICAL, BIOCHEMICAL, AND IMAGING-BASED MEASURES OF LIGAMENT HEALTH AND RISK FOR PROXIMAL JUNCTIONAL FAILURE IN INDIVIDUALS WITH ADULT SPINAL DEFORMITY.**

*E Lima Duran, B Anderson, M Blais, EY Chang, Y Ma, J Du, AF Lombardi, S Jerban, RK Eastlack, G Mundis and B Shahidi, San Diego, CA. University of California, San Diego (WSMRF)*

Abstract 68

**1:30 A TEMPLATE FOR VIDEO TELEHEALTH HAND AND WRIST CONSULTATIONS DURING THE COVID-19 PANDEMIC: A PRELIMINARY ANALYSIS OF PATIENT AND PROVIDER REPORTED OUTCOMES.**

*M Tsuchiya and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 69

**1:45 HYDRUS MICROSTENT IMPLANTATION WITH COMBINED CATARACT EXTRACTION: MEDIUM-TERM CLINICAL OUTCOMES.**

*SM Tanya, A Ali-Ridha, RD Adekunle and X Campos-Moller, Concord, , Canada; St. John's, , Canada; Montreal, , Canada; Corner Brook, , Canada. McGill University (WAP/WSCI Travel Award Winner)*

Abstract 70

**2:00 HYDRODISSECTION TREATMENT OF CUBITAL TUNNEL SYNDROME.**

*MM Kanani and J McGinley, Seattle, WA; Casper, WY. University of Washington*

Abstract 71

**2:15 PREDICTING SURVIVAL FOR PATIENTS UNDERGOING SURGERY FOR METASTATIC SPINE DISEASE.**

*VS Kalistratova, D Pina, JR Fine, Z Booze, J Holland, J Wick, W Vander Voort, LA Hisatomi, A Villegas, Y Javidan, RF Roberto, E Klineberg and H Le, Sacramento, CA;*

- 2:30 SYSTEMIC APPLICATION OF HUMAN BONE-MARROW DERIVED MESENCHYMAL STROMAL CELLS TO DIABETIC WOUND HEALING.**  
*B Litmanovich, K Fischer, B Stevens, W Hahn, AC Hostler, H Kussie, K Chen and G Gurtner, Tucson, AZ. University of Arizona*

Abstract 73

- 2:45 THE ENVIRONMENTAL IMPACT OF AMBULATORY SURGICAL CENTRES SURVEY.**  
*BK Bajwa, Z Zhang, Y Tuen and JS Arneja, Vancouver, BC, Canada. University of British Columbia Division of Pediatric Plastic Surgery, BCCH*

Abstract 74

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**CONCURRENT SESSIONS**

**Thursday, January 19, 2023  
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 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.....Carmel Women's Club**

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**Cardiovascular II**

Promenade Lobby (Sunset Center)

*Carlin Long and Robert Ross, Presiding*

- 3:15 PROFILE AND OUTCOMES OF TRANSCATHETER PULMONARY VALVE REPLACEMENT AFTER THE ROSS PROCEDURE.**

*K Niknejad and DS Levi, Los Angeles, CA. UCLA Mattel Children's Hospital*

Abstract 75



- 3:30 QUANTITATIVE ASSESSMENT OF GLOBAL MYOCARDIAL TISSUE EDEMA IN A SWINE MODEL OF MYOCARDIAL INFARCTION WITH CARDIAC MAGNETIC RESONANCE UTILITY.**  
*A Anilkumar, J Ref, J Lancaster, J Koevary, T Acharya, R Avery and S Goldman, Tucson, AZ. University of Arizona*  
Abstract 76
- 3:45 THE RELATIONSHIP BETWEEN ABDOMINAL BODY COMPOSITION AND CORONARY CALCIUM SCORES: AN ANALYSIS OF THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS.**  
*JL Korobkin, p Srikanthan, K Watson, M Allison, R Kronmal and T Horwich, Los Angeles, CA; La Jolla, CA; Seattle, WA. Brentwood School UCLA*  
Abstract 77
- 4:00 REDO HEART TRANSPLANTATION OF STATUS 4 PATIENTS – WHAT IS THEIR WAITLIST MORTALITY?**  
*Z Wakefield, T Singer-Englar, N Patel, S Kim, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute*  
Abstract 78
- 4:15 CURRENT ERA FOR HEMODYNAMIC COMPROMISE REJECTION AND SUBSEQUENT OUTCOMES AFTER HEART TRANSPLANTATION.**  
*V Ross, T Singer-Englar, S Kim, N Patel, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*  
Abstract 79
- 4:30 SEX DIFFERENCES IN THE ASSOCIATION OF BODY COMPOSITION AND ALL-CAUSE MORTALITY IN CARDIAC REHABILITATION PATIENTS WITH CORONARY ARTERY DISEASE.**  
*I Liang, K Yan, p Srikanthan and T Horwich, Providence, RI; Los Angeles, CA; San Francisco, CA. Brown University (WSMRF)*  
Abstract 80
- 4:45 ISCHEMIA CONTROLLED GENES IN ACCELERATED CARDIAL HEALING FOLLOWING MYOCARDIAL INFARCTION.**  
*E Cha, SH Hong, C Fung, D Teramoto, T Rai, J Liu, DK Agrawal and FG Thankam, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*  
Abstract 81
- 5:00 DOES THE CAV TRAJECTORY SCORE APPLY TO HEART-KIDNEY TRANSPLANT RECIPIENTS?**  
*R Trajano, N Patel, T Singer-Englar, S Kim, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*  
Abstract 82

**5:15 IN PATIENTS UNDERGOING HEART AND KIDNEY TRANSPLANT, HOW LONG DOES THE KIDNEY LAST?**

*P Hage, S Kim, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 83

**5:30 POINT OF CARE ULTRASOUND IN DIAGNOSING REGIONAL WALL MOTION ABNORMALITIES IN PATIENTS WITH ST SEGMENT ELEVATED MYOCARDIAL INFARCTION.**

*M Desai, S Saadat, J Baker, A Kurzweil, J Rowland, E Abrams, M Whited and J Fox, Orange, CA; Pomona, CA. Western University of Health Sciences University of California, Irvine*

Abstract 84

**Diversity, Equity, Inclusion I**

Conductor's Room

*Anna Ryabets, Presiding*

**3:15 POST-OPERATIVE MORBIDITY AND MORTALITY IN INDIGENOUS PATIENTS: A SCOPING REVIEW AND META-ANALYSIS.**

*R Livergant, K Stefanyk, C Binda, G Fraulin, S Maleki, T Hillier and E Joos, Edmonton, Canada; Vancouver, BC, Canada. University of Alberta University of British Columbia (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 85

**3:30 GEOSPATIAL ANALYSIS OF THE PROPORTION OF PERSONS DEFINED AS UNDERREPRESENTED IN MEDICINE FOR EACH MEDICAL SCHOOL AND THEIR SURROUNDING CORE-BASED STATISTICAL AREA.**

*A Benitez-Mello, Z Quinonez, LM Diaz, M Lennig, D Char and C Smith, San Francisco, CA; Palo Alto, CA; Berkeley, CA. University of San Diego*

Abstract 86

**3:45 TRENDING THE REPRESENTATION OF WOMEN AND UNDER-REPRESENTED MINORITIES IN E-ROAD SPECIALTIES.**

*C Yan, BM Wong, Y Richter, B Bautista and S Munoz, Sacramento, CA. UC Davis*

Abstract 87

**4:00 RACIAL DISPARITIES IN THE UTILIZATION OF NEUROIMAGING FOR PEDIATRIC PATIENTS FOLLOWING POSSIBLE HEAD INJURY.**

*L Gonzales, J Dalal, J Gu, B Lee, K Maramba, V Salwan, A Wong and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)*

Abstract 88

**4:15 LOW MENTAL HEALTH LITERACY PREDICTS YOUTH WITH SYMPTOMS OF ANXIETY AND DEPRESSION: ADVOCATES FOR ALL YOUTH (ALLY).**

*JL Chandrasekhar, A Dadematthews, M Pangelinan, AE Bowen, S Simon, R Musci, CR Studts and J Kaar, Aurora, CO; Auburn, AL; Baltimore, MD. University of Colorado*

**4:30 DISPARITIES IN ACCESS TO TIMELY SPINE SURGERY EVALUATION.**

*KR Yamaguchi, CE Drolet, M Kim, T Hanks, LN DePledge, R Sethi and PK Louie, Seattle, WA. University of Washington*

Abstract 90

**4:45 NURSING SATISFACTION IN COMMUNICATION WITH LANGUAGE DISCORDANT NURSE-FAMILY PAIRINGS IN THE NEONATAL INTENSIVE CARE UNIT.**

*ZM Bakizada, J Hoffman, A Platteau, A Khut and DS Ondusko, Portland, OR. Oregon Health & Science University (WAP/WSCI Travel Award Winner) (WSMRF)*

Abstract 91

**5:00 DO RACIAL DISPARITIES IN DIAGNOSIS OF DEMENTIA AND ALZHEIMER DISEASE CONTINUE TO EXIST?**

*N Sussman, C Chung, M Kanchrakuntla, E Kim, M Thakkar, S Vachhani and B Afghani, Tucson, AZ; Irvine, CA; Orange, CA. University of Arizona UC Irvine School of Medicine (WSMRF)*

Abstract 92

**5:15 IMPACT OF COVID-19 PANDEMIC ON A BRITISH COLUMBIA CHILDREN'S HOSPITAL YOUTH ADVISORY COMMITTEE.**

*L Bondi, S Grover, C Binda, S Gill, A Beevor-Potts, W Lau, A McFadden, D Duffy, K Hodgson, C Bland and CA Look, Vancouver, BC, Canada. University of British Columbia*

Abstract 93

**5:30 A COMPREHENSIVE LGBTQ+ RESIDENT CURRICULUM.**

*Y Moufarrej, A Sosa, P Dewanjee and N Webb, Madera, CA. Valley Children's Healthcare*

Abstract 94

**Healthcare Delivery Research II**

Room 5 (Sunset Center)

*??? Presiding*

**3:15 WASHINGTON-BASED CLINICIAN PERCEPTIONS ON TRANSFERS FROM PLANNED COMMUNITY BIRTHS TO HOSPITAL CARE.**

*J Antongiovanni, L Kenefick and H Andersen, Spokane, WA. Washington State University Elson S. Floyd College of Medicine (WSMRF)*

Abstract 95

**3:30 TELEMEDICINE FOR PEDIATRIC UROLOGICAL CARE DURING THE COVID-19 PANDEMIC.**

*G Harianja, M Reimer, C Ritchie, AS Amasyali, C Chen, D Chamberlin and J*

Chamberlin, Loma Linda, CA. *Loma Linda University*

Abstract 96

**3:45 HOME BIRTH IS TRENDING: ATTITUDES AND PRECEPTIONS OF HOME AND HOSPITAL BIRTH ON TIKTOK.**

*F Lane, K Morris, H Stohl and AL Nelson, Pomona, CA. Western University of Health Sciences*

Abstract 97

**4:00 INTRA-TRANSPORT MEDICATION USE BY A REGIONAL NEONATAL TRANSPORT SERVICE.**

*DA McKissic, ZC Billimoria, R Mastroianni, T Riley, JE James, R Umoren and M Gray, Seattle, WA. University of Washington (WSMRF)*

Abstract 98

**4:15 PEDIATRIC RESIDENTS' BELIEFS AND PERCEIVED BARRIERS AROUND FAMILY-CENTERED ROUNDS AT A LARGE ACADEMIC CENTER.**

*T Wang and B Afghani, Orange, CA. UC Irvine School of Medicine CHOC Hospital of Orange County*

Abstract 99

**4:30 S.T.A.B.L.E TRAINING INCREASES KNOWLEDGE OF POST-RESUSCITATION STABILIZATION IN PEDIATRIC RESIDENTS.**

*A Cohen, A Judkins and T DuPont, Salt Lake City, UT. University of Utah Health*

Abstract 100

**4:45 RESIDENT PERCEPTIONS AND CONFIDENCE REGARDING PEDIATRIC PREVENTIVE CARE.**

*A Etcheverry, D Jones and K Arulmozhi, Madera, CA. Valley Children's Healthcare*

Abstract 101

**5:00 IMPACT OF A SEMI-AUTONOMOUS TREATMENT ALGORITHM ON FETAL HEART RATE TRACING FOR THE MANAGEMENT OF SEVERE HYPERTENSION IN PREGNANCY.**

*A Sanchez and C Martin, Loma Linda, CA; Pomona, CA. Loma Linda University School of Medicine Western University of Health Sciences (WAFMR)*

Abstract 102

**5:15 RELATIONSHIP BETWEEN TIME OF PARALYTIC ADMINISTRATION TO FIRST INTUBATION ATTEMPT AND CORMACK-LEHANE GRADE: A COMPARISON OF ROCURONIUM AND SUCCINYLCHOLINE.**

*J Ramsey, K Pache, M Sayre, C Maynard, NJ Johnson and CR Counts, Seattle, WA. University of Washington*

Abstract 103

**5:30 EXERCISE AS A POSSIBLE TREATMENT FOR NOCTURIA VIA CIRCADIAN**

**REALIGNMENT.**

*BP LeMaster, J Cloninger, DR Bruns, NL Bedford and EE Schmitt, Seattle, WA; Laramie, WY; Laramie, WA. University of Washington University of Wyoming*

Abstract 104

**Hematology and Oncology I**

Green Room (Sunset Center)

*Gino In, Presiding*

**3:15 FRUCTOSE-1,6-BISPHOSPHATASE 1-ALTERED CARBOHYDRATE METABOLISM REDUCES LEUKEMIC VIABILITY THROUGH ACTIVATING P53 AND MODULATING MITOCHONDRIAL QUALITY CONTROL SYSTEM IN VITRO.**

*L Tran, Y Xu, J Tang, V Nguyen, E Sewell, J Xiao, C Hino, S Wasnik, O Francis-Boyle, K Zhang, L Xie, J Zhong, D Baylink, C Chen, M Reeves and H Cao, Loma Linda, CA; College Station, TX. Loma Linda University*

Abstract 105

**3:30 COMPARATIVE ANALYSIS OF LUNG CANCER BIOPSIES ON SUCCESS OF NEXT-GENERATION SEQUENCING.**

*R Diep, M MacDonald, RA Cooper, A Grzegorzczuk, R Rakocovic, C Chang and J Nieva, Colton, CA; Los Angeles, CA. California University of Science and Medicine (WSMRF)*

Abstract 106

**3:45 UNDERSTANDING RADIATION THERAPY SENSITIVITY IN INVASIVE LOBULAR CARCINOMA OF THE BREAST.**

*M Sikora and M Shackelford, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 107

**4:00 DEEP LEARNING FOR PAROTID TUMOR SEGMENTATION AND SCREENING.**

*S Salehi, P Chang, W Shao and E Chu, Irvine, CA. University of California, Irvine, School of Medicine*

Abstract 108

**4:15 IMPACT OF DERMATOLOGY ACCESS IN RURAL MELANOMA DETECTION.**

*S Martinez, B Schumaker and T Quest, Seattle, WA. University of Washington*

Abstract 109

**4:30 HEMOGLOBIN ROTHSCILD: A LOW OXYGEN AFFINITY HEMOGLOBINOPATHY.**

*A Chaudhry, R Sharma, A Aboeed and E Cobos, Bakersfield, CA; Los Angeles, CA. Kern Medical David Geffen School of Medicine, UCLA*

Abstract 110

- 4:45 LEARN ONCOLOGY THROUGH SOCIAL MEDIA: IS IT POSSIBLE?**  
*SK Sidhoo, S Kang and P Ingledeew, Edmonton, Canada; Vancouver, BC, Canada; Halifax, , Canada. University of Alberta*  
Abstract 111
- 5:00 AN INTERNATIONAL COMPARISON OF PHOSPHODIESTERASE-5 INHIBITOR ASSOCIATED MELANOMA.**  
*K Mai, Q Pham, J Park and Y Kuo, Pomona, CA; Taipei, Taiwan. Western University of Health Sciences*  
Abstract 112
- 5:15 INCREASING CERVICAL CANCER SCREENING ON THE BLACKFEET RESERVATION.**  
*E Every, Spokane, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 113
- 5:30 PYODERMA GANGRENOSUM PRESENTING AFTER TREATMENT OF B CELL ACUTE LYMPHOBLASTIC LEUKEMIA.**  
*M Marquez, K Fernandez, S Sukumaran and A Davis, Madera, CA. Valley Children's Healthcare*  
Abstract 114
- Neonatology General II**  
Babcock #6 (Sunset Center)  
*Tim Bahr and Tai-Wei Wu, Presiding*
- 3:15 THE NEW APGAR SCORE: OXYGENATION AT 5 MINUTES.**  
*H Lee, X Cui and A Katheria, Palo Alto, CA; San Diego, CA. Stanford University California Perinatal Quality Care Collaborative (WSPR)*  
Abstract 115
- 3:30 END-USER ASSESSMENT OF A NOVEL LOW-COST INFANT WARMER IN LOW-RESOURCE SETTINGS IN NEPAL.**  
*MR KC, M Massey, Z Khan, N Brzezinski, S Everett, B Fassl, BD Tomlin and A Judkins, Salt Lake City, UT; Rootstown, OH; Kathmandu, Nepal. Northeast Ohio Medical University*  
Abstract 116
- 3:45 COMPARISON OF ADVERSE EVENTS WHILE PERFORMING ENDOTRACHEAL INTUBATION FOR INFANTS RECEIVING NONINVASIVE POSITIVE PRESSURE VENTILATION DURING THE PROCEDURE TO THOSE NEEDING POSITIVE PRESSURE VENTILATION WITH MASK.**  
*A Leathe, E Young, R Ramanathan and M Biniwale, Los Angeles, CA. LAC+USC Medical Center*  
Abstract 117
- 4:00 APPROPRIATE CPAP USE IN THE DELIVERY ROOM: IMPLEMENTING A RESPIRATORY DISTRESS SCORING TOOL BY THE PEDIATRIC RESIDENT**

**TEAM.**

*C Torsitano, M Baserga, K Stowers and M Hrousseau, Salt Lake City, UT. University of Utah (WSPR Prolacta Resident Research Travel Award)*

Abstract 118

**4:15** *Stanford University Philip Sunshine State-of-The-Art Speaker:*  
**INVESTIGATING NEURODEVELOPMENTAL DISORDERS USING HUMAN  
BRAIN ORGANIDS.**

*Anca Pasca, Stanford University*

**4:45** **VALIDATION OF A NOVEL LOW-COST INFANT WARMER.**

*Z Khan, U Kirant, M Massey, S Everett, N Brzezinski, B Fassl, BD Tomlin and A Judkins, Rootstown, OH; Salt Lake City, UT; Kathmandu, Nepal. NEOMED*

Abstract 119

**5:00** **PATENT DUCTUS ARTERIOSUS TREATMENTS AND HIGH GRADE  
INTRAVENTRICULAR HEMORRHAGE IN PRETERM INFANTS.**

*J Kim, BJ Cacho, C Lee, P Chun, A Marshall and D Deming, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 120

**5:15** **MATERNAL AND NEONATAL HEALTHCARE ACCESS BEFORE AND AFTER  
A BIRTHING CENTER UPGRADE IN A REMOTE NEPAL DISTRICT.**

*DP Curtis, A Baumann, A Judkins, B Lamichhane, R Miyan, J Lama, P Karki and B Fassl, Rootstown, OH; Salt Lake City, UT, Afghanistan. Northeast Ohio Medical University (WSMRF)*

Abstract 121

**5:30** **IMPACT OF SARS-COV2 INFECTION DURING PREGNANCY ON MATERNAL  
AND NEONATAL OUTCOMES.**

*NC Alvarado, AM Yeh, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. USC Keck School of Medicine*

Abstract 122

**Neonatology Pulmonary II**

Rehearsal Room (Sunset Center)

*Cassidy Delaney and Eniko Sajti, Presiding*

**3:15** **ANTENATAL ENDOTOXIN IMPAIRS AIRWAY AND PARENCHYMAL LUNG  
GROWTH AND FUNCTION IN INFANT RATS: A POTENTIAL ROLE FOR  
DYSANAPSI?**

*E McGinn, T Gonzalez, E Bye, J Bilodeaux, G Seedorf, S Alexander, B Smith, SH Abman and E Mandell, Aurora, CO. University of Colorado University of Colorado (WSPR Abbott Nutrition Outstanding Resident Research Award)*

Abstract 123

- 3:30 PULMONARY CYP2E1 EXPRESSION DURING LUNG DEVELOPMENT PREDICTS ACETAMINOPHEN TOXICITY.**  
*M Grayck, L Zheng, WC McCarthy, M Solar, O Lacayo, B Smith, D Orlicky, E Dobrinskikh and CJ Wright, Aurora, CO. University of Colorado Anschutz Medical Campus (WSPR Prolacta Undergraduate Research Travel Award) (WSMRF)*  
Abstract 124
- 3:45 TREM2 REGULATES THE LUNG INNATE IMMUNE RESPONSE AND THE SEVERITY OF HYPEROXIA INDUCED LUNG INJURY.**  
*R Huff, Y Abe, N Spann, M Singhal, C Glass and E Sajti, San Diego, CA. UCSD (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award) (WSPR)*  
Abstract 125
- 4:00 University of Utah Inaugural Kurt L. Albertine State-of-The-Art Lecture  
OXYGEN AT BIRTH: MORE THAN A GAS TO BREATHE.**  
*Michael O'Reilly, University of Rochester Medical Center*
- 4:30 ALVEOLAR TYPE 2 STEM CELLS IN BRONCHOPULMONARY DYSPLASIA.**  
*R Kibe, S Danopoulos, D Al Alam and P Minoo, Los Angeles, CA. LAC+USC Medical Center Children's Hospital Los Angeles*  
Abstract 126
- 4:45 CONTINUOUS INFUSION OF RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 AND BINDING PROTEIN 3 IMPROVES STRUCTURAL INDICES OF ALVEOLAR FORMATION IN MECHANICALLY VENTILATED PRETERM LAMBS.**  
*Z Vordos, A Rebentisch, E Major, J Van Boerum, E Dawson, D Hubbard, D Null, MJ Dahl, N Barton, G Carey, M McHale, R Ward and K Albertine, Salt Lake City, UT; Sacramento, CA; Cambridge, MA; Altrincham, United Kingdom. University of Utah (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*  
Abstract 127
- 5:00 AVR-48 TREATMENT IMPROVES RESPIRATORY GAS EXCHANGE INDICES IN A PRETERM LAMB MODEL OF BRONCHOPULMONARY DYSPLASIA.**  
*D Hubbard, D Riley, D Christensen, R Bromley, A Rebentisch, E Dawson, E Major, J Van Boerum, K Albertine and S Acharaya, Salt Lake City, UT; Fort Worth, TX; Cary, NC. University of Utah (WSMRF)*  
Abstract 128
- 5:15 EVALUATING PRESSURES AT THE NARES DURING NON-INVASIVE VENTILATION IN NEWBORN INFANTS UTILIZING NIV PLUS SOFTWARE.**  
*K Ortiz, R Ramanathan and M Biniwale, Los Angeles, CA. LAC+USC Medical Center (WSPR)*  
Abstract 129
- 5:30 PROSTAGLANDIN-E1 INFUSION FOR DUCTAL PATENCY IN PERSISTENT PULMONARY HYPERTENSION OF THE NEWBORN.**



S Tsoi, M Steurer, J Fineman and R Keller, San Francisco, CA. *University of California, San Francisco*

Abstract 130

## Neuroscience I

Chapman #4 (Sunset Center)

???? *Presiding*

### **3:15 THE BRAIN CAN REGULATE ITS OWN INSULIN BLOOD-BRAIN BARRIER TRANSPORT.**

VQ Nguyen and E Rhea, Spokane, WA; Seattle, WA. *University of Washington School of Medicine (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)*

Abstract 131

### **3:30 MEMORY-RELATED REGULATION OF EXTRACELLULAR MATRIX IN THE HIPPOCAMPUS OF ANGELMAN SYNDROME MICE.**

AJ Lam, W Su, Y Liu, T Reece, X Hao, M Baudry and X Bi, Pomona, CA. *College of Osteopathic Medicine of the Pacific*

Abstract 132

### **3:45 IMPROVED EXECUTIVE FUNCTIONING OUTCOMES FOLLOWING LASER ABLATION COMPARED TO ANTERIOR TEMPORAL LOBECTOMY.**

K Hulse and B Grannan, Seattle, WA. *University of Washington*

Abstract 133

### **4:00 NEURONAL ENSEMBLES THAT DRIVE REWARD-SEEKING BEHAVIOR IN MICE MODELS OF HEROIN USE.**

SI Alvarado, S Hodgins, K Sandum, L Flom, J Crouse and A Bobadilla, Laramie, WY. *University of Washington*

Abstract 134

### **4:15 GAPS IN CARE FOLLOWING FIRST TIME SEIZURE: A RETROSPECTIVE STUDY.**

CI Jenkins, AJ Cabrera, DM Goldenholz, M Estes and CM Casassa, Loma Linda, CA; Boston, MA. *Loma Linda School of Medicine*

Abstract 135

### **4:30 CHARACTERIZING THE EMERGENCE OF NEURAL LANGUAGE LATERALIZATION PATTERNS IN INFANTS.**

MM Chun, MN Dang and BK Lau, Seattle, WA. *University of Washington*

Abstract 136

### **4:45 HOW DO GLIOMAS AFFECT WHITE MATTER TRACT BUNDLES ASSOCIATED WITH THE LIMBIC CORTEX?**

E Fu, JA Thompson, D Ormond and AD Lee, Aurora, CO. *University of Colorado School of Medicine*

Abstract 137

**5:00 THE UNMASKED SECRETS OF A SERONEGATIVE AUTOIMMUNE ENCEPHALITIS.**  
*NC Trang, J Douglas, R Chavez, L Chau, K Radicic and S Mishra, Bakersfield, CA. Kern Medical*

Abstract 138

**5:15 GUILLIAN-BARRE SYNDROME POST COVID-19 VACCINATION.**  
*J Abraham, VE Espinoza and K Radicic, Bakersfield, CA. Kern Medical*

Abstract 139

**5:30 EASY TO MISS: AN ATYPICAL PRESENTATION OF AMYOTROPHIC LATERAL SCLEROSIS.**  
*H Arreaza, t Yomi, A Crediford and T Eftekhari, Bakersfield, CA. Clinica Sierra Vista*

Abstract 140

### **Pulmonary and Critical Care I**

Studio 105 (Sunset Center)

*Michael Schivo, Presiding*

**3:15 ROLE OF PLATELETS IN SCHISTOSOMIASIS-INDUCED PULMONARY HYPERTENSION.**  
*M Jordan, JN Posey, E Nozik, C Mickael, B Graham and C Delaney, Aurora, CO; San Francisco, CA. University of Colorado (WSPR)*

Abstract 141

**3:30 POSSIBLE RACIAL BIAS IN PULSE OXIMETRY.**  
*BM Wong, C Yan, B Rivas and N Fleming, Sacramento, CA. UC Davis School of Medicine*

Abstract 142

**3:45 PREVALENCE AND PREDICTORS OF OBSTRUCTIVE SLEEP APNEA IN COLLEGIATE FOOTBALL PLAYERS.**  
*S Trikha, R Raab, T DeZeeuw, S Moore, M Neagle, M Petrun and J Broussard, Fort Collins, CO. University of Colorado*

Abstract 143

**4:00 MANAGING LIFE-THREATENING COMPLICATIONS OF WEST NILE ENCEPHALITIS.**  
*A Patel, M Singh, T Jestila and I Garcia-Pacheco, Bakersfield, CA. Kern Medical Center*

Abstract 144

**4:15 PLATELET RECOVERY AND PERIOPERATIVE RISK AFTER CARDIAC SURGERY.**  
*J Plaisted and N Clendenen, Aurora, CO. University of Colorado School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 145

- 4:30 LONG-TERM OUTCOMES OF CHRONIC REFRACTORY COUGH.**  
*E Simmons, BJ Becerra, P Krishna, B Crawley and T Murry, Loma Linda, CA; Philadelphia, PA; San Bernardino, CA. Loma Linda University School of Medicine*  
Abstract 146
- 4:45 VEGF AND ANGIOPOIETIN AS REGULATORS FOR ANGIOGENESIS IN PERIPHERAL ARTERY DISEASE.**  
*G Lo, R Phan and MM Radwan, Pomona, CA. Western University of Health Sciences*  
Abstract 147
- 5:00 MICROBIOME OF TRACHEAL ASPIRATE AND CLINICAL OUTCOMES IN INTUBATED VERY LOW BIRTH WEIGHT INFANTS.**  
*J Huang, R Cayabyab, L Barton, R Ramanathan and M Cielo, Los Angeles, CA. LAC+USC Medical Center Keck School of Medicine of University of Southern California*  
Abstract 148
- 5:15 THE PERIPHERAL CENTRAL LINE: CANNULATION OF THE ACCESSORY AZGOS VEIN.**  
*A Garcia, VE Espinoza, H Hajeh, J Abraham, K Radicic and S Mishra, Bakersfield, CA. Kern Medical*  
Abstract 149
- 5:30 BILATERAL HYPOPYON IN A FATAL CASE OF STAPHYLOCOCCUS AUREUS BACTEREMIA.**  
*C D'Assumpcao, A Garcia, C Logan, F Venter, I Fong, K Sabetain, R Kuran, R Johnson and A Heidari, Bakersfield, CA; Bridgetown, Barbados; Cupecoy, Sint Maarten (Dutch part). Ross University School of Medicine*  
Abstract 150
- Surgery II**  
Carmel Women's Club  
*Subhas Gupta, Presiding*
- 3:15 PREVALENCE OF TRACHEOSTOMY PLACEMENT IN PATIENTS WITH SKELETAL DYSPLASIA.**  
*SC Eckhardt, CM Richardson, K White, SR Parikh, KE Johnson, J Bonilla-Velez and J Dahl, Seattle, WA. University of Washington School of Medicine*  
Abstract 151
- 3:30 VIABILITY OF CONSISTENT MAXIMUM GLOTTIC ANGLE MEASUREMENTS ACROSS REPEAT VISITS.**  
*D DeChance, S Dehom and B Crawley, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 152
- 3:45 THE “ZOOM BOOM” OF THE COVID-19 PANDEMIC WAS IRONICALLY LINKED TO BODY PROCEDURES.**  
*D Sokolov and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*  
Abstract 153

- 4:00 UROLOGICAL RISK FACTORS FOR URINARY TRACT INFECTIONS AND ALLOGRAFT FAILURE IN PEDIATRIC RENAL TRANSPLANTATION.**  
*V Seidel, M Buell, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University*  
Abstract 154
- 4:15 PERCUTANEOUS TREATMENT OF SUBACROMIAL IMPINGEMENT SYNDROME, A RETROSPECTIVE REVIEW.**  
*CK O'Neill, TJ Robinson, B Bender and J McGinley, Seattle, WA; Laramie, WY; Casper, WY. University of Washington WWAMI Program*  
Abstract 155
- 4:30 DO PATIENTS WITH INSERTIONAL ACHILLES TENDINOPATHY HAVE DIFFERENT MORPHOLOGIC AND RADIOGRAPHIC ALIGNMENT FEATURES OF THE FOOT?**  
*ML Carpenter, W Gu, J Ansah-Twum, M Zhu, M Myerson and S Li, Aurora, CO; San Diego, CA; Denver, CO. University of Colorado Anschutz Medical Campus*  
Abstract 156
- 4:45 COMPARISON OF PATIENT-REPORTED OUTCOMES FOLLOWING THREE DIFFERENT THUMB CARPOMETACARPAL ARTHROPLASTY TECHNIQUES.**  
*A Hirpara, T France, N Tucker, F Scott, F Leversedge and A Lauder, Aurora, CO. University of Colorado School of Medicine*  
Abstract 157
- 5:00 INHIBITORY EFFECT OF CRYSTALLINS ON LENS EPITHELIAL TO MESENCHYMAL TRANSITION VIA BLOCKING OF AB-CRYSTALLIN ACTIVITY.**  
*R Choudhury, M Nam, S Panja and RH Nagaraj, Aurora, CO. University of Colorado School of Medicine*  
Abstract 158
- 5:15 ABDOMINAL AORTIC DISSECTION IS THE PREDOMINANT FORM OF ABDOMINAL AORTIC PATHOLOGY IN VASCULAR EHLERS-DANLOS SYNDROME.**  
*S Shalhub, V Gadiraju, A El-Ghazali, S Wallace and P Byers, Seattle, WA. University of Washington*  
Abstract 159
- 5:30 HOW WELL ARE WE COMMUNICATING WITH OUR HAND TRAUMA PATIENTS? AN INVESTIGATION INTO THE READABILITY OF DISCHARGE INSTRUCTIONS FOR COMPLEX HAND INJURY PATIENTS.**  
*MM Hirpara, N Kadakia, M Landau and S Gupta, Loma Linda, CA; Colton, CA. California University of Science and Medicine (WSMRF)*  
Abstract 160

**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 19, 2023  
6:00 PM – 8:00 PM**

***Poster Session I - Posters 1-62***  
*All Saints Church, Seccombe Hall  
Ninth Avenue & Dolores St.*

***Poster Session II - Posters 63-102***  
*Sunset Center, Carpenter Hall*

**Presentations will be from 6-8 pm  
Odd numbered posters present from 6-7 pm  
Even numbered from 7-8 pm**

*All welcome and encouraged to attend*

**POSTER SESSION I - Posters 1-62**

| <b>Poster<br/>Number</b> |  | <b>Abstract/Program<br/>Number</b> |
|--------------------------|--|------------------------------------|
| <b>1</b>                 | <b>SEVERE ACUTE HEMOLYTIC ANEMIA POST COVID VACCINATION.</b><br><i>J Abraham, N Heathcoat, S Mishra, N Mangat and S Ratnayake, Bakersfield, CA. Kern<br/>Medical</i>   | Abstract 161                       |
| <b>2</b>                 | <b>TOWARDS NEW ANTIMICROBIALS - TARGETING BACTERIAL RESPONSE<br/>REGULATORS.</b><br><i>C Alcantara, I Glassman, C Majdi, J Dessolin, Z Benfodda and H Szurmant, Pomona,<br/>CA; Nîmes, France; Bordeaux, France. Western University of Health Sciences (WSMRF)</i> | Abstract 162                       |
| <b>3</b>                 | <b>IGA VASCULITIS ADULT PRESENTATION.</b><br><i>D Bergstedt, K Feldhus, A Tekriwal, I Hale and F Li, Denver, CO; Aurora, CO. St. Joseph<br/>Hospital</i>   | Abstract 163                       |
| <b>4</b>                 | <b>WEST NILE MENINGOENCEPHALITIS IN A PATIENT WITH<br/>LEIOMYOSARCOMA PRESENTING WITH NEUTROPENIC FEVER.</b><br><i>R Bilagi, L Liu, R Kulasingam, R Sharma, B Mann and K Radicic, Bakersfield, CA. Kern<br/>Medical</i>  | Abstract 164                       |

| <b><u>Poster<br/>Number</u></b>  | <b><u>Abstract/Program<br/>Number</u></b> |
|--|---|
| <p><b>5 ADDRESSING COMMUNITY CONFIDENCE AND ABILITY IN ACHIEVING HEMORRHAGIC CONTROL FOLLOWING INJURY IN SUNDANCE, WYOMING.</b><br/><i>T Bohlman, Seattle, WA. University of Washington School of Medicine</i></p>                     | <p>Abstract 165</p>                       |
| <p><b>6 USING THE EPDS FOR ANTENATAL DEPRESSION SCREENING: A QUALITY IMPROVEMENT INTERVENTION PROPOSAL AT SEAMAR FAMILY MEDICINE.</b><br/><i>OS Cherepakhin, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>  | <p>Abstract 166</p>                       |
| <p><b>7 SYSTEMIC EOSINOPHILIC DISEASE PRESENTING AS DACRYOADENITIS.</b><br/><i>K Danesh, L Cohen, Y Liu, J Karlin and D Rootman, Los Angeles, CA; Loma Linda, CA. Keck School of Medicine University of California Los Angeles</i></p> | <p>Abstract 167</p>                       |
| <p><b>8 MILIARY REACTIVATION OF COCCIDIOIDOMYCOSIS: 5 YEARS IN THE MAKING.</b><br/><i>A Dhillon, M Beuca, M Valdez and A Heidari, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 168</p>                       |
| <p><b>9 LARYNGEAL ASPERGILLOSIS IN AN IMMUNOCOMPROMISED PATIENT.</b><br/><i>A Dhillon, C D'Assumpcao, M Valdez, A Heidari and R Kuran, Bakersfield, CA. Kern Medical</i></p>   | <p>Abstract 169</p>                       |
| <p><b>10 SAVE A LIFE WITH A SPRAY: ADDRESSING BARRIERS TO SAFE NARCAN USE IN PLUMMER, IDAHO.</b><br/><i>I Engerbretson, Seattle, WA. University of Washington (WSMRF)</i></p>  | <p>Abstract 170</p>                       |
| <p><b>11 ANTICOAGULANT-ASSOCIATED HEAVY MENSTRUAL BLEEDING IN PRE-MENOPAUSAL WOMEN.</b><br/><i>VE Espinoza, J Abraham, NU Thai, S Nersesyans, T Eftekhari, N Al-Yousfi and G Petersen, Bakersfield, CA. Kern Medical</i></p>           | <p>Abstract 171</p>                       |
| <p><b>12 A RARE CASE OF MANDIBULAR AMELOBLASTOMA.</b><br/><i>VE Espinoza, J Abraham, S Dhillon, S Nersesyans, NU Thai, T Eftekhari, N Al-Yousfi and G Petersen, Bakersfield, CA. Kern Medical</i></p>                                  | <p>Abstract 172</p>                       |

| <b><u>Poster<br/>Number</u></b>  | <b><u>Abstract/Program<br/>Number</u></b> |
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| <p><b>13 SUBARACHNOID CYSTICERCOSIS PRESENTING AS CHRONIC MENINGITIS WITH SEVERE HYPOGLYCORRHACHIA: A DIAGNOSTIC CHALLENGE.</b><br/>           J Fandino, G Hernandez, S Ratnayake, <i>VE Espinoza</i>, M Valdez, C D'Assumpcao, G Petersen, A Heidari and R Kuran, Bakersfield, CA. <i>Kern Medical</i></p> | Abstract 173                              |
| <p><b>14 THE DYNAMIC DUO: THE SCROFULA AND MYCETOMA.</b><br/> <i>VE Espinoza</i>, N Singh, J Nguyen, C Chiu and A Heidari, Bakersfield, CA. <i>Kern Medical</i></p>  | Abstract 174                              |
| <p><b>15 BLACK TAR HEROIN AND BOTULISM.</b><br/> <i>VE Espinoza</i>, N Al-Yousfi, N Mangat and I Garcia-Pacheco, Bakersfield, CA. <i>Kern Medical</i></p>  | Abstract 175                              |
| <p><b>16 LARGE BOWEL OBSTRUCTION CAUSED BY MASS LOCATED AT THE HEPATIC FLEXURE.</b><br/> <i>O Fadeyi</i>, Y Katamreddy and C Garabetian, Anaheim, CA. <i>West Anaheim Medical Center</i></p>   | Abstract 176                              |
| <p><b>17 RIGHT SIDED COLON CANCER IN PATIENT PRESENTING WITH EXTENSIVE WEIGHT LOSS.</b><br/> <i>O Fadeyi</i>, Y Katamreddy, A Shankar and A Esmaceli, Anaheim, CA. <i>West Anaheim Medical Center</i></p>  | Abstract 177                              |
| <p><b>18 PERINEPHRIC ABSCESS, FINGER ABSCESS AND LEFT CALF SWELLING IN PATIENT WITH KLEBSIELLA INFECTION.</b><br/> <i>O Fadeyi</i>, L Gupta, Z Sovyanhadi, V Dang and A Hakim, Anaheim, CA. <i>West Anaheim Medical Center</i></p>   | Abstract 178                              |
| <p><b>19 A CASE OF COCCIDIOIDOMYCOSIS MENINGITIS TREATED WITH SUBA-ITRACONAZOLE.</b><br/> <i>M Fang</i> and A Heidari, Bakersfield, CA. <i>Kern Medical</i></p>  | Abstract 179                              |
| <p><b>20 FROM COVID TO BOVID TO OVID: A CASE OF DISSEMINATED CRYPTOCOCCUS NEOFORMANS.</b><br/> <i>A Garcia</i>, C D'Assumpcao, J Abraham, M Khachatryan, J Adereti, L Moosavi, K Radicic, A Heidari and S Mishra, Bakersfield, CA; Bridgetown, Barbados. <i>Ross University School of Medicine</i></p>       | Abstract 180                              |

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| <p><b>21 DISSEMINATED HISTOPLASMOSIS IN CENTRAL CALIFORNIA SEEN IN AN IMMUNOCOMPROMISED PATIENT.</b><br/> <i>K Ghadiya, R Dunn, G Singh, H Lai and R Garcia-Pacheco, Bakersfield, CA. Kern Medical</i></p>   | <p>Abstract 181</p>                       |
| <p><b>22 DIAGNOSTIC CHALLENGES IN THE DETECTION OF ATYPICAL STAPHYLOCOCCAL SEPTIC ARTHRITIS.</b><br/> <i>I Glassman, K Nguyen and A Cappadona, Pomona, CA. Western University of Health Sciences</i></p>   | <p>Abstract 182</p>                       |
| <p><b>23 INCREASING AWARENESS AND UNDERSTANDING OF MENOPAUSE AND ITS SYMPTOMS IN DHULIKHEL, NEPAL THROUGH FLIPBOOK EDUCATION.</b><br/> <i>D Graham, A Dongol and P Paudel, Spokane, WA; Dhulikhel, Nepal. University of Washington</i></p>   | <p>Abstract 183</p>                       |
| <p><b>24 RISK OF ACUTE KIDNEY INJURY AFTER LOWER URINARY TRACT RECONSTRUCTION WITH EARLY NSAID THERAPY: A PROPENSITY MATCHED RETROSPECTIVE ANALYSIS.</b><br/> <i>D Ha, ED Blanchette, D Wilcox, VM Vemulakonda, DN Wood and KO Rove, Aurora, CO. Children's Hospital Colorado (WSMRF)</i></p>  | <p>Abstract 184</p>                       |
| <p><b>25 CATHETERIZATION USAGE DRIVES ROUTINE CARE COSTS OF PATIENTS WITH NEUROGENIC LOWER URINARY TRACT DYSFUNCTION.</b><br/> <i>NT Ha, A Abedi, AS Sayegh, A La Riva, LC Perez, P Kohli, A Abedi, RP Jen, DA Ginsberg and E Kreydin, Los Angeles, CA; Downey, CA; Zanzan, , Iran (the Islamic Republic of). Keck School of Medicine, University of Southern California (WSMRF)</i></p> | <p>Abstract 185</p>                       |
| <p><b>26 APICAL HYPERTROPHIC CARDIOMYOPATHY MASQUERADING AS NON-ST ELEVATION MYOCARDIAL INFARCTION.</b><br/> <i>H Hajeh and T Win, Bakersfield, CA. UCLA Kern Medical</i></p>  | <p>Abstract 186</p>                       |
| <p><b>27 WHAT YOU SEE IS NOT WHAT YOU GET: GERM CELL NEOPLASM IN THE SETTING OF DISSEMINATED COCCIDIOIDOMYCOSIS.</b><br/> <i>H Hajeh, H Aboaid, E Cobos, K Radicic and A Heidari, Bakersfield, CA; Las Vegas, NV. UCLA Kern Medical</i></p>  | <p>Abstract 187</p>                       |



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| <p><b>28</b>    <b>WHAT FRONT-LINE SERVICE PROVIDERS FOR PEOPLE EXPERIENCING HOMELESSNESS KNOW ABOUT BODY LICE AND ASSOCIATED DISEASES — COLORADO, 2022.</b><br/> <i>R Henderson, SN Rich, B Sprague, C Grano, D McCormick, E Mosites, T Bostic, SE Rowan and GE Marx, Denver, CO; Fort Collins, CO; Atlanta, GA; Aurora, CO. University of Colorado (WSMRF)</i></p> | <p>Abstract 188</p>                       |
| <p><b>29</b>    <b>A PUZZLING CASE OF FEVER-WEST NILE MENINGOENCEPHALITIS.</b><br/> <i>SM Hlaing, S Sadiqali, B Hamidi, V Marquez and C D'Assumpcao, Bakersfield, CA; Cupecoy, Sint Maarten (Dutch part); Bridgetown, Barbados. RioBravo Family Medicine Residency Program</i></p>   | <p>Abstract 189</p>                       |
| <p><b>30</b>    <b>ASYMPTOMATIC COCCIDIOIDAL MENINGITIS RELAPSE, A DEMON IN DISGUISE.</b><br/> <i>L Kooner, A Heidari and R Johnson, Bakersfield, CA. Kern Medical</i></p>   | <p>Abstract 190</p>                       |
| <p><b>31</b>    <b>RETROSPECTIVE REVIEW OF PANCREATIC VENOUS ANATOMY.</b><br/> <i>MG Kwong, J Pattee, E Olson and G McLennan, Aurora, CO; Westminster, CO. University of Colorado Anschutz Medical Campus</i></p>  | <p>Abstract 191</p>                       |
| <p><b>32</b>    <b>A RARE CASE OF LUPUS NEPHRITIS MANAGED WITH MULTI-MODAL IMMUNOMODULATION.</b><br/> <i>A Lee, C Bae and D Mandel, Irvine, CA. University of California, Irvine, School of Medicine</i></p>   | <p>Abstract 192</p>                       |
| <p><b>33</b>    <b>DRY EYE POST-CATARACT SURGERY: A SYSTEMATIC REVIEW.</b><br/> <i>H Ta, T Lien, P McCann, R Quereshi and T Li, Aurora, CO. University of Colorado School of Medicine</i></p>  | <p>Abstract 193</p>                       |
| <p><b>34</b>    <b>META-ANALYSIS OF GENICULAR ARTERY EMBOLIZATION FOR TREATMENT OF OSTEOARTHRITIS OF THE KNEE.</b><br/> <i>AW Lyon, C Yu, E Adams and O Ahmed, Chicago, MT; Seattle, WA. University of Washington (WSMRF)</i></p>  | <p>Abstract 194</p>                       |
| <p><b>35</b>    <b>ESTROGEN EXPOSURE AND PANCREATIC DUCTAL ADENOCARCINOMA RISK IN A LONGITUDINAL NATIONAL SCREENING TRIAL.</b><br/> <i>H Mandl, A Labora, W Armstrong and T Donahue, Los Angeles, CA. David Geffen School of Medicine, UCLA (WSMRF)</i></p>  | <p>Abstract 195</p>                       |

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| <p><b>36 GENDER-BASED VIOLENCE IN URBAN AMERICAN INDIAN / ALASKAN NATIVE COMMUNITIES: RESOURCES, INTERVENTIONS, AND COMMUNITY ACTION AT SEATTLE INDIAN HEALTH BOARD.</b><br/><i>O Moeller, Seattle, WA. University of Washington School of Medicine</i></p>   | <p>Abstract 196</p>                       |
| <p><b>37 PRIMARY CUTANEOUS DIFFUSE LARGE B-CELL LYMPHOMA, LEG TYPE PRESENTING AS HYPERCALCEMIA AND CELLULITIS – A CASE REPORT.</b><br/><i>JH Nguyen, C Bauer and T Tran, Pomona, CA. Western University of Health Sciences</i></p>  | <p>Abstract 197</p>                       |
| <p><b>38 PRESENTATION AND MANAGEMENT OF CONCOMITANT WEST NILE ENCEPHALITIS AND ACUTE ALCOHOL WITHDRAWAL.</b><br/><i>N Nikolov, C McKee, S Scott, G Kooner, A Chetha, E Zamora and H Arreaza, Bridgetown, Barbados; Bakersfield, CA. Ross University School of Medicine</i></p>  | <p>Abstract 198</p>                       |
| <p><b>39 OPTICAL COHERENCE TOMOGRAPHY IMAGING OF THE IRIDOCORNEAL ANGLE.</b><br/><i>MA Ohan and A Chen, Seattle, WA. University of Washington (WSMRF)</i></p>   | <p>Abstract 199</p>                       |
| <p><b>40 METASTATIC MELANOMA PRESENTING AS A CHEST WALL MASS FLUCTUATING IN SIZE.</b><br/><i>L Okumoto, A Heidari, K Ghadiya and E Cobos, Bakersfield, CA. Kern Medical</i></p>   | <p>Abstract 200</p>                       |
| <p><b>41 MISSED OPPORTUNITIES, A CASE OF GIANT CELL TUMOR MASQUERADING AS BACK PAIN.</b><br/><i>L Okumoto, A Heidari, K Ghadiya and E Cobos, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 201</p>                       |
| <p><b>42 COMPARISON OF RENAL PELVIC PRESSURES IN PRONE VERSUS SUPINE PERCUTANEOUS NEPHROLITHOTOMY USING A BENCHTOP MODEL: CAN THIS ACCOUNT FOR DIFFERENCES IN SEPSIS RATES?</b><br/><i>K Park, N Mack, C De Guzman, TA Clark, M Buell, K Shete, R Leu, A Amasyali, A Farkouh, E Baldwin and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine</i></p> | <p>Abstract 202</p>                       |
| <p><b>43 EFFECTS OF INSTRUMENTATION CHOICE ON RENAL PELVIC PRESSURES IN BENCHTOP EVALUATION OF PERCUTANEOUS NEPHROLITHOTOMY.</b><br/><i>K Park, N Mack, C De Guzman, TA Clark, M Buell, R Leu, K Shete, A Amasyali, A Farkouh, E Baldwin and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine</i></p>  | <p>Abstract 203</p>                       |

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| <p><b>44 EUBACTERIUM LIMOSUM BACTEREMIA IN A PATIENT WITH RECTAL CARCINOMA.</b><br/> <i>A Patel, A Dhillon, M Valdez and A Heidari, Bakersfield, CA. Kern Medical Center</i></p>   | <p>Abstract 204</p>                |
| <p><b>45 A CUE TO FEVER WITH Q FEVER.</b><br/> <i>A Patel, M Valdez and A Heidari, Bakersfield, CA. Kern Medical Center</i></p>  | <p>Abstract 205</p>                |
| <p><b>46 ARE THERE SEX-BASED DIFFERENCES IN OUTCOMES AFTER HIP ARTHROSCOPY? A SYSTEMATIC REVIEW.</b><br/> <i>H Crofts, C Proceviat, J Bone, J Leith, M McConkey, F Ayeni and P Lodhia, Vancouver, BC, Canada; Hamilton, , Canada. UBC</i></p>  | <p>Abstract 206</p>                |
| <p><b>47 A CADAVERIC MODEL OF PLANTAR PRESSURE IN PROGRESSIVE COLLAPSING FOOT DEFORMITY CAUSED BY SERIAL LIGAMENT TRANSECTIONS.</b><br/> <i>S Renfree, S Smith, P Newton, A Ayala, H Malakoutikhah, M Borgstrom and D Latt, Tucson, AZ; Las Vegas, NV. University of Arizona College of Medicine</i></p> | <p>Abstract 207</p>                |
| <p><b>48 CAREGIVER QUALITY OF LIFE IN PATIENTS WITH COCCIDIOIDOMYCOSIS.</b><br/> <i>R Sharma, H Aboaid, R Kuran, R Johnson and A Heidari, Bakersfield, CA. David Geffen School of Medicine, UCLA</i></p>   | <p>Abstract 208</p>                |
| <p><b>49 A RARE CASE OF CUTIBACTERIUM BIOFILM OBSTRUCTING VP SHUNT.</b><br/> <i>R Sharma, R Johnson, G David, M Rahimifar and A Heidari, Bakersfield, CA. Kern Medical David Geffen School of Medicine</i></p>   | <p>Abstract 209</p>                |
| <p><b>50 INTRAPARENCHYMAL COCCIDIOIDOMA IN A PREGNANT PATIENT.</b><br/> <i>C D'Assumpcao, R Sharma, R Johnson, R Kuran and A Heidari, Bakersfield, CA; Los Angeles, CA. David Geffen School of Medicine, UCLA Kern Medical</i></p>   | <p>Abstract 210</p>                |
| <p><b>51 COVID-19 BOOSTER VACCINE RELATED DERMATITIS: A CASE STUDY.</b><br/> <i>A Sheikh, S Godil and D Pham, Pomona, CA. Western University of Health Sciences</i></p>  | <p>Abstract 211</p>                |
| <p><b>52 ASSET-BASED RECRUITMENT AND INTERVENTION STRATEGIES FOR NON-COMMUNICABLE CHRONIC DISEASE MANAGEMENT.</b><br/> <i>MC Thomas, Seattle, WA. University of Washington School of Medicine</i></p>  | <p>Abstract 212</p>                |

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| <p><b>53</b>    <b>INDICATIONS FOR MINIMALLY INVASIVE SUBURETERIC DEXTRANOMER/HYALURONIC ACID INJECTION AND CLINICAL RESOLUTION RATES IN VESICoureTERAL REFLUX.</b><br/> <i>JM Tiamzon, DA Wilkinson, L Miles, M Buell, A Farkouh, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University School of Medicine</i></p> | <p>Abstract 213</p>                       |
| <p><b>54</b>    <b>COMMUNITY-BASED GROUPS FOR DIABETES EDUCATION AND MANAGEMENT FOR ASIAN AMERICANS IN KING COUNTY.</b><br/> <i>C Tran, Seattle, WA. University of Washington</i></p>   | <p>Abstract 214</p>                       |
| <p><b>55</b>    <b>TAKING THE SCENIC ROUTE: ENDOPHTHALMITIS SECONDARY TO BACTEREMIA IN A PATIENT WITH SUSPECTED COLONIC MALIGNANCY.</b><br/> <i>S Uddin, H Hajeh, G Singh, A Heidari and I Garcia-Pacheco, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 215</p>                       |
| <p><b>56</b>    <b>A COMMUNITY HEALTH NEEDS ASSESSMENT PRIOR TO THE ESTABLISHMENT OF A NEW LEVEL 4 HOSPITAL FACILITY IN RURAL KENYA.</b><br/> <i>MK Bassi, PK Baadh, B Fassl, N Mulli, C Mulli, K Mulli and C Uzoukwu, Rootstown, OH; Yatta Sub-county, Kenya. Northeast Ohio Medical University</i></p>                                    | <p>Abstract 216</p>                       |
| <p><b>57</b>    <b>A CASE OF COCCIDIOIDAL MENINGITIS WITH LOW-PRESSURE HYDROCEPHALUS.</b><br/> <i>M Valdez, S Mishra, R Kuran and A Heidari, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 217</p>                       |
| <p><b>58</b>    <b>A CASE OF DISSEMINATED GONOCOCCAL INFECTION WITH LARGE JOINT INVOLVEMENT.</b><br/> <i>M Valdez, S Ratnayake, C D'Assumpcao and A Heidari, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 218</p>                       |
| <p><b>59</b>    <b>OSTEOMYELITIS OF THE STERNUM DUE TO <i>CUTIBACTERIUM ACNES</i>: AN EMERGING PATHOGEN.</b><br/> <i>M Valdez, S Ratnayake, C D'Assumpcao and A Heidari, Bakersfield, CA. Kern Medical</i></p>  | <p>Abstract 219</p>                       |
| <p><b>60</b>    <b>EFFICACY OF SMALL INCISION CATARACT SURGERY IN RURAL/CAMPAIGN-BASED VS URBAN/HOSPITAL-BASED SETTINGS IN GHANA AS PART OF A MULTI-COUNTRY STUDY.</b><br/> <i>C Walker, V Essuman, B Abaidoo, S Lartey, A Mensa-Debrah, V Beyuo, P Ackah, J</i></p>  |   |

Welling, J Addy, N Lawrence and G Tabin, Seattle, WA; Medford, OR; Accra, Ghana; Kumasi, Ghana; Waterbury, VT; Stanford, CA. *University of Washington Daybreak Vision Project*

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**61 INCREASING NUTRITIONAL LITERACY THROUGH RETAIL EDUCATION IN RURAL MONTANA.**

*PL Wilson, Seattle, WA. University of Washington School of Medicine*

Abstract 221

**62 SIMPLIFYING INFORMATION FOR PROVIDERS AND PATIENTS ABOUT SEXUAL ASSAULT EXAMINATIONS IN JUNEAU, ALASKA.**

*A Witt, Seattle, WA. University of Washington*

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POSTER SESSION II - Posters 63-102

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| <b>63</b>                   | <b>CARDIOMYOPATHY AS AN EARLY MANIFESTATION IN JUVENILE HEMOCHROMATOSIS.</b><br>H Hajeh, J Abraham, T Win, A Heidari and G Petersen, Bakersfield, CA. <i>Kern Medical</i>   | Abstract 223                          |
| <b>64</b>                   | <b>ADDRESSING THE INCREASING SIGNS OF FATIGUE POST-PANDEMIC IN ROCK SPRINGS, WYOMING.</b><br>HP Ahuja, Seattle, WA. <i>University of Washington (WSMRF)</i>   | Abstract 224                          |
| <b>65</b>                   | <b>IMPLEMENTING A SCHOOL-BASED HEALTH CENTER TO IMPROVE ACCESS TO YOUTH BEHAVIORAL HEALTH SERVICES IN NEWPORT, WA.</b><br>D Bohonos, Spokane, WA. <i>University of Washington School of Medicine</i>  | Abstract 225                          |
| <b>66</b>                   | <b>END-USER NEEDS AND PERCEPTIONS OF INFANT WARMERS IN THE LOW-RESOURCE HOSPITAL SETTING.</b><br>MR KC, N Brzezinski, S Everett, Z Khan, M Massey, U Kirant, R Dev, S Dongol, BD Tomlin, A Judkins and B Fassl, Salt Lake City, UT; Rootstown, OH; Kathmandu, Nepal. <i>Northeast Ohio Medical University</i>   | Abstract 226                          |
| <b>67</b>                   | <b>THE IMPACT OF VARIOUS EDUCATIONAL INTERVENTIONS ON COUNSELING PRACTICES OF PEDIATRIC RESIDENTS ABOUT FIREARM SAFETY.</b><br>A Bui, D Chavez, N Kumar, S Madhiredy, V Vyakaranam, S Zidan and B Afghani, Hempstead, NY; Irvine, CA; Orange, CA. <i>Donald and Barbara Zucker School of Medicine at Hofstra/Northwell University of California, Irvine (WSMRF)</i> | Abstract 227                          |
| <b>68</b>                   | <b>PREDICTORS OF PHARMACOLOGIC TREATMENT IN NEONATES WITH PRENATAL OPIOID EXPOSURE.</b><br>MA Chang, L Barton, SR Sardesai, R Ramanathan and R Cayabyab, Los Angeles, CA. <i>LAC+USC Medical Center/Keck School of Medicine of University of Southern California</i>  | Abstract 228                          |
| <b>69</b>                   | <b>INJURY PREVENTION THROUGH SCHOOL-BASED ATV SAFETY EDUCATION IN RURAL ALASKA.</b><br>NL Coniglio, Seattle, WA. <i>University of Washington School of Medicine</i>   | Abstract 229                          |

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| <p><b>70</b>    <b>OUTCOMES OF A VESICOSTOMY IN A NEWBORN WITH UROSEPSIS SECONDARY TO ANTERIOR URETHRAL VALVES.</b><br/> <i>M Danusantoso, I Ike, H Donsanouphit, O Afolabi, R Kaur and T Nandhagopal, Bakersfield, CA. Kern Medical Center</i></p>   | <p>Abstract 230</p>                       |
| <p><b>71</b>    <b>OUT OF AFRICA HUMAN MIGRATION AND SKIN PIGMENTATION ADAPTATION: A REVIEW ON THE EVOLUTIONARY VITAMIN D ADAPTATION HYPOTHESIS.</b><br/> <i>KL Diehl, EM Krippaehne, M Minasyan, M Banh, K Hajjar, J Ng, N Wais, A Goulding, IO Yu, MD Tran, A Sheikh, C Lai, N Panchal, A Kesler and OJ Wisco, Pomona, CA; Lebanon, OR; Providence, RI. Western University of Health Sciences (WSMRF)</i></p> | <p>Abstract 231</p>                       |
| <p><b>72</b>    <b>HOW FAMILY STRUCTURE AND CHILDHOOD HEALTH CARE ACCESS INFLUENCE CAREER CHOICES IN THE MEDICAL FIELD: A SURVEY OF OSTEOPATHIC MEDICAL STUDENTS.</b><br/> <i>N Herbert and AL Nelson, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>   | <p>Abstract 232</p>                       |
| <p><b>73</b>    <b>UTILITY OF REAL TIME DYNAMIC ULTRASOUND GUIDED LUMBAR PUNCTURE IN NEWBORN INFANTS BY PHYSICIANS AT DIFFERENT LEVELS OF TRAINING.</b><br/> <i>J Huang, R Ramanathan and AM Yeh, Los Angeles, CA. LAC+USC Medical Center Keck School of Medicine of University of Southern California</i></p>  | <p>Abstract 233</p>                       |
| <p><b>74</b>    <b>FEEDING GUIDELINES FOR LATE PRETERM INFANTS: A QUALITY IMPROVEMENT INITIATIVE.</b><br/> <i>A Jacob, Long Beach, CA. MemorialCare Miller Children's and Women's Hospital Long Beach</i></p>   | <p>Abstract 234</p>                       |
| <p><b>75</b>    <b>RETHINKING PARENT EDUCATION: PEDIATRIC INJURY PREVENTION CURRICULUM FOR THE EMERGENCY WAITING ROOM.</b><br/> <i>EC Issa, PJ Ware, P Bitange, GJ Cooper, DI Bengiamin and TP Young, Loma Linda, CA. Loma Linda University School of Medicine</i></p>  | <p>Abstract 235</p>                       |
| <p><b>76</b>    <b>URTICARIA MULTIFORME IN A 12-MONTH-OLD INFANT.</b><br/> <i>D Jones and A Sosa, Madera, CA. Valley Children's Healthcare</i></p>  | <p>Abstract 236</p>                       |

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| <p><b>77</b>    <b>IMPROVING HEALTHCARE LITERACY IN KING COUNTY IMMIGRANT COMMUNITIES.</b><br/> <i>J Jue, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>  | <p>Abstract 237</p>                       |
| <p><b>78</b>    <b>INCREASING CONTRACEPTIVE ACCESS FOR ADOLESCENTS IN BLAINE COUNTY, IDAHO.</b><br/> <i>E King-Nakaoka, Seattle, WA; Moscow, ID. University of Washington University of Idaho (WSMRF)</i></p>   | <p>Abstract 238</p>                       |
| <p><b>79</b>    <b>RISK FACTORS FOR UTI IN CHILDREN WITH PRENATAL HYDRONEPHROSIS AND DILATED URETER.</b><br/> <i>AY Lee, MG Sabbah, C Elias, M Buell, A Fisher, C McKinney, A Farkouh, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University</i></p>  | <p>Abstract 239</p>                       |
| <p><b>80</b>    <b>REPORT ON TOXICITY OF CANCER THERAPY IN CHILDREN FROM WEST TEXAS ENROLLED ON ACCESS STUDY.</b><br/> <i>K Mitchell, A Demopoulos, MM Al-Rahawan and M Scheurer, Lubbock, TX; Houston, TX. Texas Tech University Health Science Center School of Medicine</i></p>  | <p>Abstract 240</p>                       |
| <p><b>81</b>    <b>CYCLIC VOMITING: A NEW PRESENTATION OF MITOCHONDRIAL HMG-COA SYNTHASE DEFICIENCY.</b><br/> <i>AD Niehaus and C Lee, Palo Alo, CA. Stanford University</i></p>  | <p>Abstract 241</p>                       |
| <p><b>82</b>    <b>DUPLICATED INFERIOR VENA CAVA - A CASE STUDY.</b><br/> <i>H Anwar, A Pardi, M Patel, A Raquib, K Andrews, C Broniak and E Sperling, Lebanon, OR. College of Osteopathic Medicine of the Pacific Northwest, Western University of Health Sciences</i></p>   | <p>Abstract 242</p>                       |
| <p><b>83</b>    <b>ASSESSMENT OF MENTAL HEALTH IN PEDIATRIC PATIENTS WITH CHRONIC SPINAL CORD DISORDERS: AN INTERIM ANALYSIS.</b><br/> <i>I Parrotta, S Kim, F Jin, T Chae, Z Schwartz, E Ponton, N Cheung, J Purtzki, D Duffy, W Chung and AE MacNeily, Vancouver, BC, Canada. University of British Columbia British Columbia Children's Hospital</i></p> | <p>Abstract 243</p>                       |



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| <p><b>84</b>    <b>INTEGRATING BIOETHICS AND NEONATAL PALLIATIVE CARE IN A PANDEMIC: THE SCOPE OF ADVOCACY AND ONLINE COLLABORATION FOR EXCEPTIONAL LIFE-SUSTAINING MEDICAL AND SURGICAL INTERVENTIONS IN A REGIONAL NEONATAL INTENSIVE CARE UNIT.</b><br/> VF Sullins, SK Dargan, C Kurihara, MC Beranek and <i>S Perugu</i>, Torrance, CA; Harbor City, CA; Los Angeles, CA. <i>Harbor-UCLA Medical Center Kaiser Permanente South Bay Medical Center</i></p> | <p>Abstract 244</p>                |
| <p><b>85</b>    <b>USE OF ELECTRONIC TEXT MESSAGING OF NRP PRINCIPLES TO PEDIATRIC TRAINEES &amp; IMPACT ON RETENTION.</b><br/> <i>MP Martes Gomez</i>, F Eskandar-Afshari, S Liu, K Tedesco, A Yeh, R Ramanathan and M Biniwale, Los Angeles, CA. <i>USC Keck School of Medicine, LAC+USC Medical Center (WSPR)</i></p>  | <p>Abstract 245</p>                |
| <p><b>86</b>    <b>CHARACTERIZATION AND OUTCOMES OF SMALL FOR GESTATIONAL AGE VERY LOW BIRTH WEIGHT INFANTS.</b><br/> <i>K Ramm</i>, A Hisey, NS Nanduri, Y Shao, C Marquez, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. <i>LAC+USC Medical Center</i></p>  | <p>Abstract 246</p>                |
| <p><b>87</b>    <b>SEVERE NEONATAL ACAD9 DEFICIENCY WITH AN ATYPICAL INHERITANCE PATTERN AND URINE ORGANIC ACID PATTERN NOT PREVIOUSLY DESCRIBED IN THIS CONDITION.</b><br/> <i>JP Ramos</i>, CG Tise, K Cusmano-Ozog, GM Enns, C Lee and S Bachir, Palo Alto, CA. <i>Stanford</i></p>  | <p>Abstract 247</p>                |
| <p><b>88</b>    <b>A UNIQUE PRESENTATION OF A WELL-FUNCTIONING ADULT WITH METHYLMALONIC ACIDEMIA.</b><br/> <i>S Ratnayake</i>, H Quanungo, H Quanungo and S Mishra, Miramar, FL; Bakersfield, CA. <i>Kern Medical</i></p>   | <p>Abstract 248</p>                |
| <p><b>89</b>    <b>RESOURCES FOR PREGNANCY AND POSTPARTUM IN MADISON COUNTY, MT.</b><br/> <i>E Reisman</i>, Seattle, WA. <i>University of Washington</i></p>  | <p>Abstract 249</p>                |
| <p><b>90</b>    <b>PRESCRIBED OPIOIDS AND NEUROCOGNITIVE STATUS AMONG AMERICAN INDIAN ELDERS: DATA FROM THE STRONG HEART STUDY.</b><br/> <i>C Ross</i>, JI Tsui, A Radick, J Deen, D Buchwald and A Suchy-Dicey, Seattle, WA; Pullman, WA. <i>University of Washington School of Medicine</i></p>   | <p>Abstract 250</p>                |

- | <b><u>Poster<br/>Number</u></b> |  | <b><u>Abstract/Program<br/>Number</u></b> |
|---------------------------------|--|---|
| <b>91</b>                       | <b>THE ROLE OF VOIDING CYSTOURETHROGRAMS IN PRENATAL HYDRONEPHROSIS: WHEN SHOULD THEY BE USED?</b><br><i>MG Sabbah, C Elias, AY Lee, M Buell, A Fisher, C McKinney, A Farkouh, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University</i> | Abstract 251                              |
| <b>92</b>                       | <b>UNPLANNED TEEN PREGNANCY: INCREASING ACCESS TO MEDICATION ABORTION IN BENTON-FRANKLIN COUNTY.</b><br><i>SS Sanan, Spokane, WA. University of Washington (WSMRF)</i>   | Abstract 252                              |
| <b>93</b>                       | <b>TYROSINE HYDROXYLASE DEFICIENCY IN AN INFANT: A DIAGNOSTIC JOURNEY.</b><br><i>NP Sheth and L Randolph, Los Angeles, CA. Children's Hospital of Los Angeles</i>  | Abstract 253                              |
| <b>94</b>                       | <b>A PILOT STUDY - FEASIBILITY OF MIDLINE CATHETER USE IN THE NEONATAL INTENSIVE CARE UNIT.</b><br><i>S Siddiqui, JP WANG, R Ramanathan and A Yeh, Los Angeles, CA. University of Southern California</i>  | Abstract 254                              |
| <b>95</b>                       | <b>SMITH-LEMLI-OPITZ PHENOTYPE WITH TRANSIENTLY ABNORMAL STEROLS IN THE SETTING OF PERINATAL FENTANYL EXPOSURE, A CASE REPORT.</b><br><i>K Chikalard, A Stenftenagel and V Kimonis, Orange, CA. University of California Irvine</i>                              | Abstract 255                              |
| <b>96</b>                       | <b>A CASE OF HYPERTYROSINEMIA-ASSOCIATED SKIN TOXICITY OF NITISINONE TREATMENT IN ALKAPTONURIA.</b><br><i>S Tahata, CG Tise, K Cusmano-Ozog and GM Enns, Stanford, CA. Stanford University</i>   | Abstract 256                              |
| <b>97</b>                       | <b>INTIMATE PARTNER SEXUAL VIOLENCE IS ASSOCIATED WITH HARMFUL ALCOHOL USE IN KENYAN FEMALE SEX WORKERS.</b><br><i>D Tolstrup, JR James and S Graham, Seattle, WA. University of Washington School of Medicine</i>   | Abstract 257                              |
| <b>98</b>                       | <b>RAINE SYNDROME: PRENATALLY IDENTIFIED SEVERE CRANIOFACIAL PHENOTYPE WITH MULTISUTURE SYNOSTOSIS AND BRAIN ABNORMALITIES.</b><br><i>C Verscaj, C Smith, M Homeyer and DR Matalon, Stanford, CA. Stanford University</i>  | Abstract 258                              |

**Poster  
Number**

**Abstract/Program  
Number**

- 99 A SUDDEN COLLAPSE IN A HEALTHY NEWBORN INFANT WITHIN FIRST HOUR OF LIFE.**  
*J Wang, K Tedesco, S Siddiqui, R Ramanathan and AM Yeh, Los Angeles, CA. University of Southern California/LAC+USC Medical Center*  
Abstract 259
- 100 RISK FACTORS FOR URINARY TRACT INFECTIONS IN CHILDREN WITH PRIMARY VESICoureTERAL REFLUX.**  
*DA Wilkinson, L Miles, JM Tiamzon, M Buell, K Chang, A Farkouh, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 260
- 101 BEHAVIORAL AND PHARMACOLOGIC TREATMENTS UTILIZED BY PATIENTS WITH METHAMPHETAMINE USE DISORDER IN RURAL-SERVING PRIMARY CARE CLINICS IN THE PACIFIC NORTHWEST.**  
*M Yerton, C McCabe, M Iles-Shih and K Hallgren, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 261
- 102 RAPID ACQUISITION OF NEONATAL ECHOCARDIOGRAPHY SKILLS USING A NEONATAL ECHOCARDIOGRAPHIC SIMULATOR.**  
*J Yom, B Siassi, R Cayabyab, MA Adie, M Ebrahimi and R Ramanathan, Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine of University of Southern California*  
Abstract 262

**CONCURRENT SESSIONS**

**Friday, January 20, 2023**

**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**

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**Adolescent Medicine and General Pediatrics II**

Studio 105 (Sunset Center)

*Dana Gerstbacher and Alberta Kong, Presiding*

**8:00 EFFICACY OF PROCEDURAL TREATMENTS FOR PEDIATRIC  
HIDRADENITIS SUPPURATIVA: A SYSTEMATIC REVIEW.**

*N Parvathala, R Masson, EJ Ma, T Shih, S Atluri, M Hogeling, V Shi and J Hsiao, Los Angeles, AZ; Los Angeles, CA; Tucson, AZ; Little Rock, AR. Keck School of Medicine (WSMRF)*

Abstract 263

**8:15 BYE BYE BIOPSIES? EVALUATING CLINICAL IMPLEMENTATION OF  
URINARY CXCL10/CREATININE MONITORING IN PEDIATRIC KIDNEY  
TRANSPLANT RECIPIENTS.**

*EK Chan, J Bone, A Thachil, K Vytlingam and TD Blydt-Hansen, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 264

**8:30 COST SAVINGS ANALYSIS OF A CLINICAL PATHWAY FOR DIAGNOSTIC  
TESTING IN PEDIATRIC HYPERTENSION.**

*GV Da Roza, M Catapang, L Ding and J Dionne, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 265

**8:45 SLEEP CHARACTERISTICS AND HEALTH-RELATED QUALITY OF LIFE IN ADOLESCENTS WITH TYPE 1 DIABETES.**

*ML Dobbin, KJ Nadeau, M Cree-Green, S Simon and J Snell-Bergeon, Parker, CO; Aurora, CO. Rocky Vista University (WSPR Prolacta Medical Student Research Travel Award)*

Abstract 266

**9:00 SINGLE-CELL RNA SEQUENCING OF REPAIR TISSUE FORMED AFTER GROWTH PLATE INJURY REVEALS A POTENTIAL ROLE FOR MACROPHAGES AND MESENCHYMAL PROGENITOR CELLS IN BONY BAR FORMATION.**

*A Mantha, S Thomas, E Beltrand and K Payne, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 267

**9:15 WERNICKE ENCEPHALOPATHY IN A PEDIATRIC PATIENT WITH FEEDING INTOLERANCE.**

*AS Drury, L D'Annibale, KS Jin, S Osburn and J Snider, Madera, CA; Palo Alto, CA; Mesa, AZ. Valley Children's Hospital*

Abstract 268

**9:30 EFFICACY OF MEDICAL TREATMENTS FOR PEDIATRIC HIDRADENITIS SUPPURATIVA: A SYSTEMATIC REVIEW.**

*EJ Ma, R Masson, N Parvathala, T Shih, S Atluri, M Hogeling, V Shi and J Hsiao, Los Angeles, CA; Tucson, AZ; Little Rock, AR. Keck School of Medicine (WSMRF)*

Abstract 269

**9:45 LEVATOR VELI PALATINI MUSCLE GROWTH AND ASYMMETRY WITHIN THE FIRST TWO YEARS OF LIFE.**

*S Levene, I Neuberger, A Piccorelli, K Barhaghi and K Kotlarek, Seattle, WA; Aurora, CO; Laramie, WY. University of Washington School of Medicine (WSMRF)*

Abstract 270

**Cardiovascular III**

Promenade Lobby (Sunset Center)

*Jon Kobashigawa, Presiding*

**8:00 IN-STENT RE-STENOSIS FOR TRANSPLANT CORONARY ARTERY DISEASE IN THE CURRENT ERA FOR HEART TRANSPLANTATION.**

*T Yeomans, S Kim, N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 271

**8:15 WHICH REDO HEART TRANSPLANT PATIENTS ARE IN NEED OF COMBINED HEART-KIDNEY TRANSPLANTATION?**

*J Hu, T Singer-Englar, N Patel, S Kim, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*

Abstract 272

- 8:30 CARDIAC REGENERATIVE POTENTIAL OF EPICARDIAL ADIPOSE TISSUE-DERIVED STEM CELLS.**  
*P Cheng, A Keklikian, DK Agrawal and FG Thankam, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*  
Abstract 273
- 8:45 PRESENTATION OF TAKOTSUBO CARDIOMYOPATHY IN A PATIENT WITH CORONAVIRUS-19 DISEASE.**  
*RV Kulasingam, H Ipalawatte, R Jariwal, L Moosavi, A Ghandforoush, R Garcia-Pacheco, S Mishra and F Joolhar, Bakersfield, CA. Kern Medical Center*  
Abstract 274
- 9:00 PURULENT PERICARDITIS DUE TO NON-TYPEABLE HAEMOPHILUS INFLUENZAE IN A PEDIATRIC PATIENT.**  
*L Ejaz, C El Nakib, I Cherrick, L Weiner and A Wratney, Syracuse, NY. SUNY Upstate Medical University*  
Abstract 275
- 9:15 A NOVEL PATHWAY TO AN ELEVATED N-TERMINAL PROHORMONE-B-TYPE NATRIURETIC PEPTIDE (NT-PROBNP).**  
*LF Messele and S Jimenez, Sacramento, CA. UC Davis*  
Abstract 276
- 9:30 THE MEANING OF QUILTY IN HEART TRANSPLANT AND MYOCARDIAL BIOPSIES.**  
*B Salfer, N Patel, S Kim, T Singer-Englar, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute (WSMRF)*  
Abstract 277
- 9:45 EARLY CARDIAC REPOLARIZATION IN THE NOVEL PH-INSENSITIVE SODIUM-CALCIUM EXCHANGE MOUSE.**  
*A Bickman, R Zhang, R Norris, L Li, S John, KD Philipson, M Ottolia and J Goldhaber, Los Angeles, CA. UCLA School of Medicine (WSMRF)*  
Abstract 278

### **Case Reports I**

Carpenter Hall (Sunset Center)  
*W. Conrad Liles, Presiding*

- 8:00 NF1 MICRODELETION SYNDROME WITH 16Q24.3 MICRODUPLICATION.**  
*P Swaminathan, V Taliercio and D Viskochil, Salt Lake City, UT. University of Utah School of Medicine*  
Abstract 279
- 8:15 ACUTE ONSET ENCEPHALOPATHY: A CASE OF LATE-ONSET MAPLE SYRUP URINE DISEASE IN A PEDIATRIC PATIENT.**  
*M Hockley, A Emamian, U Naber, J Woods, A Roberts and CI Galarreta Aima, Fresno,*

**8:30 TO CLOSE OR NOT TO CLOSE: A CASE OF PATENT FORAMEN OVALE IN A SICKLE CELL DISEASE PATIENT PRESENTING WITH STROKE.**

*H Hajeh and T Win, Bakersfield, CA. UCLA Kern Medical*

Abstract 281

**8:45 NEONATAL DIAGNOSIS OF ANOMALOUS RIGHT CORONARY ARTERY FROM THE PULMONARY ARTERY.**

*I Jhamb, K Schulkers Escalante, J Gomez-Arostegui, R Song, M Parast and C Davis, San Diego, CA. University of California San Diego Rady Children's Hospital*

Abstract 282

**9:00 PHENOTYPIC SPECTRUM OF 17Q23.1-Q23.2 MICRODELETION SYNDROME.**

*JD Refkin, F Ahmed, A Suzuki, C DeFilippo, SP Shankar and MM Martin, Sacramento, CA. UC Davis*

Abstract 283

**9:15 IDIOPATHIC RHABDOMYOLYSIS IN THE SETTING OF MULTIORGAN DYSFUNCTION IN A 3-MONTH-OLD INFANT.**

*YH Mousa, A Patel and T Nandhagopal, Bakersfield, CA. Kern Medical Center*

Abstract 284

**9:30 VERHEIJ SYNDROME, CASE REPORT.**

*GA Lorusso Vivas, C Matheus, P Borjas and J Tolosa, Los Angeles, CA; Miami, FL. LAC + USC University of Miami*

Abstract 285

**9:45 QRICH1-RELATED DISORDER: PHENOTYPE EXPANSION VERSUS BLENDED PHENOTYPE.**

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

Abstract 286

**Endocrinology and Metabolism II**

Carmel Women's Club

*Sebastien Fuchs, Presiding*

**8:00 DIFFERENCES IN ABDOMINAL LIPID COMPOSITION IN YOUTH WITH CONGENITAL ADRENAL HYPERPLASIA.**

*MS Kim, BR Newcomer, A Taylor, A Carreau, NR Fraga, TA Pickering, D Hwang, M Geffner and M Cree-Green, Los Angeles, CA; Quebec City, , Canada; Baton Rouge, LA. Children's Hospital Los Angeles (WAFMR)*

Abstract 287

**8:15 DECREASED PERFORMANCE ON NEUROPSYCHOLOGICAL TESTING IN CHILDREN WITH CONGENITAL ADRENAL HYPERPLASIA.**

*EA Deras, SH O'Neil, OC Biele, NR Fraga and MS Kim, Los Angeles, CA. Children's*

**8:30 HYPOTHALAMIC AGING: THE DETERIORATION OF AGRP NEURONS AND TANYCYTIC REGULATION.**

*D Ardjmand and V Pham, Berkeley, CA; San Francisco, CA. University of California, Berkeley University of California, San Francisco (WSMRF)*

Abstract 289

**8:45 DEVELOPMENT AND VALIDATION OF A COMPUTABLE PHENOTYPE FOR TURNER SYNDROME USING ELECTRONIC HEALTH RECORDS FROM A NATIONAL PEDIATRIC NETWORK.**

*SD Huang, H Seyoum, A Furniss, V Bamba, PY Fetchner, C Ikomi, L Nahata, N Nokoff, L Pyle and S Davis, Aurora, CO; Los Angeles, CA; Philadelphia, PA; Wilmington, DE; Seattle, WA; Columbus, OH. CU Anschutz UCLA (WSMRF)*

Abstract 290

**9:00 DEVELOPMENT OF A KLINEFELTER SYNDROME SPECIFIC STATURE-FOR-AGE GROWTH CHART.**

*T Marshall, L Pyle, A Furniss and S Davis, Aurora, CO. University of Colorado School of Medicine (WSMRF)*

Abstract 291

**9:15 DESIGN OF AN INTERNATIONAL MALE CONTRACEPTIVE EFFICACY TRIAL USING A SELF-ADMINISTERED DAILY TRANSDERMAL GEL CONTAINING TESTOSTERONE AND NESTORONE™.**

*J Amory, D Bliithe, R Sitruk-Ware, R Swerdloff, WJ Bremner, C Dart, P Liu, A Thirumalai, B Anawalt, M Lee, S Page and C Wang, Seattle, WA; Torrance, CA; New York, NY; Bethesda, MD; Morrisville, NC. University of Washington (WAP)*

Abstract 292

**9:30 A CASE OF SCHMIDT'S.**

*J Abraham, VE Espinoza, S Nersesyans, G Petersen and A Heidari, Bakersfield, CA. Kern Medical*

Abstract 293

**9:45 SHOULD DIAZOXIDE BE CONTRAINDICATED WITH ANY EVIDENCE OF BASELINE PULMONARY HYPERTENSION IN NEONATES?**

*S Newman-Lindsay, D Sankaran and S Lakshminrusimha, Sacramento, CA. UC Davis Medical Center*

Abstract 294

**Gastroenterology**

Babcock #6 (Sunset Center)

*John Inadomi and Hal Yee, Presiding*



- 8:00 ENDOTOXEMIA INDUCED TRANSCRIPTIONAL REGULATION OF THE HEPATIC ACUTE PHASE PROTEIN CRP IS DRIVEN BY P50.**  
*D Balasubramaniyan, L Zheng, WC McCarthy, MR Grayck, M Solar and CJ Wright, Aurora, CO. University of Colorado Anschutz Medical Campus (WSMRF)*  
Abstract 295
- 8:15 DIAGNOSTIC CONUNDRUM IN A CASE OF ACUTE ACALCULOUS CHOLECYSTITIS.**  
*M Casper, M Chalupsky, M Larson and V Sinigayan, Sacramento, CA. University of California, Davis*  
Abstract 296
- 8:30 THE HEPATIC ACUTE PHASE RESPONSE TO ENDOTOXEMIA EXHIBITS ZONE-SPECIFIC INDUCTION OF C-REACTIVE PROTEIN.**  
*WC McCarthy, L Zheng, D Balasubramaniyan, MR Grayck, M Solar, L Sherlock, E Dobrinskikh and CJ Wright, Denver, CO. CU Anschutz Medical Campus*  
Abstract 297
- 8:45 LIVER FAILURE IS ASSOCIATED WITH ENDOTHELIAL PERMEABILITY WHICH IS ATTENUATED BY LIVER TRANSPLANT.**  
*CK Robinson, JG Jiang, P Stafford, S Mitra, IE Rodriquez, HB Moore and MJ Cohen, Aurora, CO. University of Colorado, School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*  
Abstract 298
- 9:00 HUMAN MILK FEEDING PROMOTES GASTROINTESTINAL DEVELOPMENT IN FIRST SIX MONTHS OF LIFE COMPARED TO INFANT FORMULA FEEDING IN A NEONATAL PIGLET MODEL.**  
*Z Fishburn, A Crandall, L Nunez, Y Chen and B Fehrenkamp, Moscow, ID; Seattle, WA. University of Idaho University of Washington*  
Abstract 299
- 9:15 ROPE-LIKE CANDY CAUSING SMALL BOWEL OBSTRUCTION.**  
*NC Trang, J Douglas, H Lai and E Cobos, Bakersfield, CA. Kern Medical*  
Abstract 300
- 9:30 A CONUNDRUM OF COEXISTENCE: ULCERATIVE COLITIS AND RECURRENT CLOSTRIDIUM DIFFICILE INFECTION.**  
*K Elsherif, M Valdez, K Singh, M Fang and A Heidari, Bakersfield, CA. Kern Medical Center*  
Abstract 301
- 9:45 CONTINUOUS FEEDING MACHINE FOR DEVELOPMENT OF EXPERIMENTAL NECROTIZING ENTEROCOLITIS IN A RAT PUP MODEL.**  
*GD Mladenov, MA Sacks, YS Mendez, FA Khan and A Radulescu, Loma Linda, CA. Loma Linda University Children's Hospital*

**Genetics I**

Rehearsal Room (Sunset Center)

*Bianca Russell and Christina G. Tise, Presiding*

**8:00 CORRELATION OF AGE OF ONSET AND CLINICAL SEVERITY IN NIEMANN-PICK DISEASE TYPE C1 WITH LYSOSOMAL ABNORMALITIES AND GENE EXPRESSION.**

*JL Rodriguez-Gil, LL Baxter, DE Watkins-Chow, NL Johnson, RK Dale, F Porter and WJ Pavan, Palo Alto, CA; Bethesda, MD. Stanford University Stanford University NHGRI/NIH (AFMR Henry Christian Award) (WAFMR)*

Abstract 303

**8:15 CORTICAL BRAIN ORGANIDS IN A ZERO GLUCOSE ENVIRONMENT, A STEP FURTHER INTO USING ORGANIDS AS MODELS FOR NEONATAL HYPOGLYCEMIA.**

*L Forero, AE Lee, LM Bird, C Snethlage, A Gomes, A Muotri and B Barshop, San Diego, CA. University of California San Diego*

Abstract 304

**8:30 GET MADD: INTRAVENOUS MULTIVITAMIN SHORTAGE MASQUERADING AS MULTIPLE INBORN ERRORS OF METABOLISM.**

*R Frankel, CG Tise and K Cusmano-Ozog, Stanford, CA. Stanford University*

Abstract 305

**8:45 ELEVATED HEX4 IN DISORDERS OF AUTOPHAGY: THE VALUE OF BIOCHEMICAL GENETICS LABORATORY STUDIES IN CLARIFYING A VUS.**

*AM Sule, L Calderwood, GM Enns, K Cusmano-Ozog, T Cowan and CG Tise, Palo Alto, CA. Stanford University*

Abstract 306

**9:00 HOMOZYGOUS FRAMESHIFT VARIANT IN LYSOSOME-ASSOCIATED MEMBRANE GLYCOPROTEIN 3 IN A PATIENT WITH INTERSTITIAL LUNG DISEASE DUE TO POSSIBLE SURFACTANT PROTEIN DYSFUNCTION.**

*L Keehan, D Bonner, E Kravets, J Kohler, C Reuter, S Marwaha, U Network, P Fisher, E Ashley, M Wheeler and JA Bernstein, Stanford, CA; Bethesda, MD. Stanford University Stanford Center for Undiagnosed Diseases*

Abstract 307

**9:15 EVALUATING CFLAR AS A NOVEL DISEASE GENE IN A FAMILY WITH PROGRESSIVE PULMONARY, LIVER AND NEUROLOGICAL SYMPTOMS.**

*MV Suárez-Nieto, RJ Levy, A Cepika, J Kohler, M Ruzhnikov and N Gomez-Ospina, Palo Alto, CA. Stanford University*

Abstract 308

**9:30 CHARACTERIZATION OF TWO NOVEL DNASE1L3 VARIANTS IN A PATIENT WITH A MONOGENIC FORM OF SYSTEMIC LUPUS ERYTHEMATOSUS.**

*A Leon, L Pimentel Vera, D Bonner, J Kohler, C Reuter, D Zastrow, M Majcherska, L Fernandez, C McCormack, S Marwaha, P Fisher, E Ashley, J Maller, J Hsu, I Balboni, J Bernstein, M Wheeler and N Gomez-Ospina, Stanford, CA. Stanford University*

Abstract 309

**9:45 EXON 6 DELETION IN LIPASE MATURATION FACTOR-1 AS A CAUSE OF FAMILIAL CYHLOMICRONEMIA SYNDROME.**

*A Bjarvin and M Peterfy, Pomona, CA. Western University of Health Sciences*

Abstract 310

**Neonatology General III**

All Saints Church, Seacombe Hall

*Rowena Cayabyab and Michael Cookson, Presiding*

**8:00 DISMANTLING THE MODEL MINORITY MYTH: A DESCRIPTIVE ANALYSIS OF OUTCOMES IN ASIAN AMERICAN, NATIVE HAWAIIAN AND PACIFIC ISLANDER VERY LOW BIRTH WEIGHT INFANTS IN CALIFORNIA.**

*S Razdan, X Cui, S Bane, SL Carmichael, S Shariff-Marco, J Magana, S Gomez, E Main, L Palaniappan and J Profit, Palo Alto, CA; San Francisco, CA. Stanford University School of Medicine (WSPR)*

Abstract 311

**8:15 UCLA Vedang Londhe Memorial State-of-The-Art Speaker: UNDERSTANDING HUMAN LUNG DEVELOPMENT.**

*Denise Al Alam, UCLA*

**8:45 IMPROVING RESIDENCY EDUCATION IN THE NICU: QUALITY IMPROVEMENT PROJECT.**

*MP Martes Gomez, SR Sardesai, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Keck School of Medicine USC*

Abstract 312

**9:00 DIASTOLIC DYSFUNCTION OF THE RIGHT VENTRICLE IS ASSOCIATED WITH INTRAVENTRICULAR HEMORRHAGE IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**

*R Kibe, B Siassi, M Biniwale, R Cayabyab, M Ebrahimi, M Durand, SR Sardesai, R Ramanathan and MA Adie, Los Angeles, CA. LAC+USC Medical Center Keck School of Medicine, USC*

Abstract 313

**9:15 DIFFERENTIAL EFFECTS OF NATIVITY AND EDUCATIONAL ATTAINMENT ON PRETERM INFANT MORTALITY AMONG US-BORN HISPANIC SUBGROUPS.**

*KE Hannan, SL Bourque, M Passarella, J Radack, B Formanowski, S Lorch and S Hwang, Aurora, CO; Philadelphia, PA. University of Colorado (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)*

Abstract 314

**9:30 DESIGN, DEVELOPMENT, AND VALIDATION OF AN AFFORDABLE INFANT RADIANT WARMER FOR LOW RESOURCE SETTING.**

*S Everett, Z Khan, M Massey, N Brzezinski, R Dev, A Judkins, BD Tomlin and B Fassl, Rootstown, OH; Salt Lake City, UT. University of Utah (WSPR)*

Abstract 315

**9:45 CURRENT STATE OF MATERNAL AND NEONATAL HEALTHCARE ACCESS IN A RURAL NEPAL DISTRICT.**

*DP Curtis, A Baumann, A Judkins, B Lamichhane, J Lama, R Miyan, P Karki and B Fassl, Rootstown, OH; Salt Lake City, UT. Northeast Ohio Medical University (WSMRF)*

Abstract 316

**Neonatology - Perinatal Biology I**

Chapman #4 (Sunset Center)

*Jill Chang and Alison Chu, Presiding*

**8:00 UNDERSTANDING GENOTYPE PHENOTYPE CORRELATIONS IN MENINGOMYELOCELE.**

*I Jhamb, Y Ha, S Kim, H Vong, C Barrows, S Lee and J Gleeson, San Diego, CA; Seoul, Korea (the Republic of). University of California San Diego Rady Children's Hospital (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award) (WSPR)*

Abstract 317

**8:15 BIRTH IMPACTS THE TRANSCRIPTIONAL REGULATION OF ANGIOGENESIS IN SKELETAL MUSCLE.**

*S Varanasi, EI Chang, T Dear, S Louey, S Jonker and LD Brown, Aurora, CO; Portland, OR. University of Colorado School of Medicine*

Abstract 318

**8:30 STROKE VOLUME AND HEART RATE RESPONSE TO NEONATAL HYPOVOLEMIA.**

*D Sankaran, R Valdez, A Lesneski, EC Lane, E Giusto, VL Hammitt, KC Tully, H Joudi, P Vali and S Lakshminrusimha, Sacramento, CA; Marysville, CA; Davis, CA. University of California Davis Adventist Health and Rideout*

Abstract 319

**8:45 MESENCHYMAL STROMAL CELL EXTRACELLULAR VESICLES IMPROVE GLOMERULAR CAPILLARY FORMATION IN MECHANICALLY VENTILATED PRETERM LAMBS.**

*C Hansen, A Rebentisch, E Major, Z Vordos, J Van Boerum, E Dawson, Z Wang, MJ Dahl, D Null, E Delavogia, A Mitsialis, S Kourembanas and K Albertine, Salt Lake City, UT; Sacramento, CA; Boston, MA. University of Utah (WSMRF)*

Abstract 320

**9:00 THE ASSOCIATION OF SYSTEMIC IMMUNE RESPONSE INDEX AND SYSTEMIC IMMUNE INFLAMMATION INDEX WITH NEUROLOGICAL OUTCOMES IN AZITHROMYCIN-TREATED NEAR-TERM LAMBS FOLLOWING UMBILICAL CORD OCCLUSION-INDUCED HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**

*J Ha, DM Yapabandara, AM Gunewardena, J Mike and E Maltepe, San Francisco, CA. University of California, San Francisco*

Abstract 321

**9:15 INTRAUTERINE GROWTH RESTRICTION LEADS TO IMPAIRED OXIDATIVE PHOSPHORYLATION IN OLIGODENDROCYTES.**

*J Chang, Denver, CO. University of Colorado Denver (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award)*

Abstract 322

**9:30 University of Colorado Fred Battaglia State-of-The-Art Speaker: MECHANISTIC UNDERPINNINGS FOR A CLINICAL TRIAL TESTING THE NEUROPROTECTIVE EFFICACY OF HUMAN NEURAL STEM CELLS IN PERINATAL ASPHYXIA.**

*Evan Snyder, Sanford Burnham Prebys Medical Discovery Institute*

**Surgery III**

Room 5 (Sunset Center)

*Subhas Gupta and Lee Wong, Presiding*

**8:00 A STANDARDIZED DEFINITION OF WOUND HEALING PROGRESSION: COMPONENTS ESSENTIAL TO ANALYSIS OF NEW WOUND INTERVENTIONS AND TECHNOLOGIES.**

*M Tsuchiya and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 323

**8:15 DOES UTI DEFINITION MATTER DURING RESEARCH AND CLINICAL ASSESSMENT?**

*L Miles, JM Tiamzon, DA Wilkinson, M Buell, K Cheng, A Farkouh, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 324

**8:30 PREOPERATIVE OPTIMIZATION OF PATIENTS WITH HIGH-RISK COMORBIDITIES: A REVIEW OF PREHABILITATION INTERVENTIONS.**

*J Mauricio-Lee, D Sokolov and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 325

**8:45 IS THE INTEREST AND SEARCH VOLUME FOR AESTHETIC SURGERY PREDICTIVE OF EQUITY MARKET PERFORMANCE? AN ANALYSIS OF GOOGLE TRENDS DATA AS A LEADING INDICATOR OF THE S&P 500**

**INDEX.**

*D Sokolov and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 326

**9:00 PREDICTORS OF AVASCULAR NECROSIS OF THE FEMORAL HEAD FOLLOWING CLOSED OR OPEN REDUCTION IN THE TREATMENT OF DEVELOPMENTAL DYSPLASIA OF THE HIP: TWO YEAR UPDATE.**

*E Ponton, J Bone, WN Sankar, CT Price, K Mulpuri, I Study Group and E Schaeffer, Vancouver, , Canada; Philadelphia, PA; Orlando, FL. BC Children's Hospital University of British Columbia*

Abstract 327

**9:15 ROTATOR CUFF HEALTH AND EMERGING THERAPIES FOR TREATMENT: A LITERATURE REVIEW.**

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

Abstract 328

**9:30 MITOCHONDRIAL BIOGENESIS REGULATES NEOINTIMAL FORMATION AND VESSEL REMODELING DURING ARTERIOVENOUS FISTULA MATURATION.**

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

Abstract 329

**9:45 HEAT APPLICATION TO THE QUADRICEPS MUSCULATURE AND ITS EFFECT ON PAIN FOLLOWING A TOTAL KNEE ARTHROPLASTY.**

*C Adams and B Daines, Boise, ID. The Idaho Clinic Idaho College of Osteopathic Medicine (WSMRF)*

Abstract 330

**10:00 am – 10:15 am BREAK**

**CONCURRENT SESSIONS**

**Friday, January 20, 2023  
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 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  
Nephrology and Hypertension.....Green Room  
Neuroscience II.....Studio 105  
Surgery IV .....Room 5, Sunset Center**

**Behavior, Development and Psychology I**  
Chapman #4 (Sunset Center)  
*Kathleen Angkustsiri and Allison G. Dempsey, Presiding*

**10:15 CREATING DEVELOPMENTAL MILESTONE GROWTH CHARTS FOR  
INFANTS WITH SEX CHROMOSOME TRISOMY (SCT) USING DATA FROM  
THE EXTRAORDINARY BABIES STUDY.**  
*N Tartaglia, J Janusz, R Wilson, J Ross and TG Thompson, Aurora, CO; Wilmington,  
DE. University of Colorado School of Medicine (WSPR)*  
Abstract 331

**10:30 THE EXTRAORDINARY BABIES STUDY: EARLY SOCIAL  
COMMUNICATION SKILLS IN INFANTS WITH SEX CHROMOSOME  
TRISOMY (SCT).**  
*R Wilson, S Takamatsu, TG Thompson and N Tartaglia, Aurora, CO. University of  
Colorado School of Medicine Children’s Hospital Colorado*  
Abstract 332

**10:45 GENETIC DIAGNOSES AND CLINICAL MANAGEMENT IN A CROSS-  
SECTIONAL STUDY OF CHILDREN WITH AUTISM SPECTRUM DISORDER.**  
*D Stout, L Tobin, AE Lee, L Brookman-Frazer and K Wigby, San Diego, CA. Rady  
Children’s Hospital San Diego (WSPR Reckitt/Mead Johnson Nutrition Subspecialty  
Award)*  
Abstract 333

**11:00** *UC Davis Robin Hansen State-of-The-Art Speaker:*  
**MOTIVATION-BASED INTERVENTION STRATEGIES FOR CHILDREN AND ADULTS WITH AUTISM.**  
*Ty Vernon, University of California Santa Barbara*

**11:30 A VACCINE CLINIC FOR INDIVIDUALS WITH NEURODEVELOPMENTAL DISABILITIES.**

*VK Ma, E Roseborough, V Tuss, KH Owens, M Mello and RS Akins, Sacramento, CA.  
UC Davis UC Davis*

Abstract 334

**11:45 PATTERN OF UTILIZATION OF EARLY INTERVENTION SERVICES IN A COHORT OF HIGH-RISK INFANTS IN A NICU FOLLOW UP CLINIC.**

*T Raghuram, T Erickson, S Kucaj and S Iyer, Los Angeles, CA. University of California*

Abstract 335

**12:00 FEASIBILITY AND ACCEPTABILITY OF THE BILATERAL INFANT STIMULATION STUDY (BLISS) IN THE NICU.**

*E Garavatti, C Cimino, K Mackiewicz-Seagate, S Alsup and DS Ondusko, Portland, OR.  
Oregon Health and Science University*

Abstract 336

**12:15 TYPE OF HOME FEEDING TUBE AND NEURODEVELOPMENTAL OUTCOME.**

*A Fisher and T DuPont, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 337

### **Diversity, Equity, Inclusion Research II**

Promenade Lobby (Sunset Center)

*Ricardo Correa, Presiding*

**10:15 PLACE-BASED CHILD AND YOUTH RIGHTS LITERACY: A MULTI-PARTNER APPROACH TO EQUITY, DIVERSITY, AND INCLUSION.**

*S Grover, L Bondi, C Binda, S Gill, A Beevor-Potts, W Lau, A McFadden, D Duffy, K Hodgson, C Bland and CA Loock, Vancouver, BC, Canada. University of British Columbia*

Abstract 338

**10:30 RACIAL DISPARITIES IN ACCESS TO KIDNEY TRANSPLANTATION IN THE PEDIATRIC POPULATION: A LITERATURE REVIEW.**

*JJ Lyons, Y Dennis, M Gunturi, A Kondaka, C Moussavi, S Shin, C Um and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)*

Abstract 339

**10:45 CONTRACEPTIVE BELIEFS, NEEDS, AND PRACTICES OF SIKH WOMEN IN SOUTHERN CALIFORNIA.**

*HK Sidhu and AL Nelson, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*

Abstract 340



**11:00 COMMUNICATING GENDER BIAS IN MEDICINE THROUGH VISUAL ARTWORK.**

*J Todderud, Spokane, WA. Elson S. Floyd College of Medicine*

Abstract 341

**11:15 GENDER DISPARITIES AMONG PUBLICATIONS WITHIN INTERNATIONAL SEXUAL MEDICINE UROLOGY JOURNALS.**

*P Kohli, M Burg, NT Ha, R Mora Jr., T Kurup, H Sidhu, G Cacciamani and M Samplaski, Los Angeles, CA. Keck Medicine of USC*

Abstract 342

**11:30 DOES SEXX MATTER IN LYME DISEASE? THE NEED FOR SEX-DISAGGREGATED DATA IN PERSISTENT ILLNESS.**

*L Johnson, M Shapiro, S Janicki, J Mankoff and RB Stricker, San Ramon, CA; San Francisco, CA; Bethesda, MD; Atlanta, GA; Seattle, WA. LymeDisease.org*

Abstract 343

**11:45 HEALTH DISPARITIES IN CHILDREN WITH COVID-19 EARLY IN THE PANDEMIC: SOCIOECONOMIC DISADVANTAGES CONTRIBUTING TO SEVERE DISEASE.**

*K Graff, Y Choi, L Silveira, L Abuogi, MA Ware and J Kaar, Milwaukee, WI; Aurora, CO. Medical College of Wisconsin*

Abstract 344

**12:00 RACIAL DISPARITITIES IN THERAPEUTIC HYPOTHERMIA AND ADVERSE OUTCOMES OF HYPOXIC ISCHEMIC ENCEPHALOPATHY IN A LARGE CALIFORNIA NEONATAL COHORT.**

*CM Fall, RJ Baer, G Bandoli and CD Chambers, San Diego, CA. UC San Diego Rady Children's Hospital*

Abstract 345

**12:15 THE IMPACT OF UNDERGRADUATE METRICS AND PERCEPTIONS OF ACADEMIC SUCCESS ON MEDICAL STUDENTS' PERFORMANCE IN MEDICAL SCHOOL - WHAT ARE THE IMPLICATIONS?**

*A Devati, M Alba, L Wang and JM Dobrich, Reno, NV. University of Nevada School of Medicine*

Abstract 346

**Healthcare Delivery Research III**

Babcock #6 (Sunset Center)

??? *Presiding*

**10:15 ORGAN SEGMENTATION ON CT IMAGING THROUGH MACHINE LEARNING.**

*J Park, J Jin, M Christie, A Wilding, S Villamor, HR Curtis, A Beaven, T Smith and D Jin, Loma Linda, CA; San Bernardino, CA. Loma Linda University*

Abstract 347

- 10:30 THE INFLUENCE OF PATIENT-PROVIDER RISK EDUCATION ON REHABILITATION OUTCOMES IN INDIVIDUALS WITH CHRONIC BACK PAIN.**  
*B Scott, C Richards, L Taitano, T Wu, A Zavareh, L Havandjian, K Raiszadeh and B Shahidi, La Jolla, CA; San Diego, CA. UCSD (WAFMR/WAP Student Subspecialty Award Winner)*  
Abstract 348
- 10:45 INFLUENCE OF SPINAL STENOSIS SEVERITY ON PHYSICAL THERAPY OUTCOMES.**  
*S Haghayegh Zavareh, C Richards, L Taitano, K Raiszadeh and B Shahidi, San Diego, CA. UC San Diego*  
Abstract 349
- 11:00 EFFECTS OF AN EDUCATIONAL BEHAVIORAL MODIFICATION PROGRAM IN PATIENTS WITH OVERACTIVE BLADDER.**  
*N Elsaadi, M Buell and A Staack, Loma Linda, CA. Loma Linda University*  
Abstract 350
- CANCELLED**
- 11:15 FIRST TIME NON-PROVOKED SEIZURE DECISION ANALYSIS.**  
*L Tanaka and LG Yamamoto, Honolulu, HI. Hawaii Pacific Health*  
Abstract 351
- 11:30 DOES MOTIVATIONAL TEXT MESSAGING IMPROVE KNOWLEDGE, SELF-EFFICACY, AND ATTITUDES ON CARDIOVASCULAR DISEASE IN UNDERSERVED COMMUNITIES?**  
*K Uehisa, Los Angeles, CA. Charles R. Drew University (WSMRF)*  
Abstract 352
- 11:45 NATIONAL TRENDS AND RACIAL/ETHNIC DISPARITIES IN INFANT MORTALITY RATES AMONG PRETERM INFANTS SURVIVING BEYOND 44 WEEKS POSTMENSTRUAL AGE.**  
*A Udoko, M Passarella, B Formanowski, J Radack, S Lorch and S Hwang, Aurora, CO; Philadelphia, PA. University of Colorado School of Medicine (WAP/WSCI Travel Award Winner)*  
Abstract 353
- 12:00 IMPLEMENTATION OF A BUNDLE OF INTERVENTIONS TO INCREASE MEDICAL INTERPRETER UTILIZATION IN THE NICU.**  
*J Feister, S Razdan, V Escobar, P Gay, M Persoglia Bell, S Kainec, M Scala and S Bonifacio, Palo Alto, CA, CA; Palo Alto, CA. Lucile Packard Children's Hospital Stanford (WSPR)*  
Abstract 354
- 12:15 PSYCHARE: EVALUATING CURRENT ACCESSIBILITY TO PSYCHIATRIC TREATMENT.**  
*S Assaf, Los Angeles, CA. University of California, Los Angeles (WSMRF)*  
Abstract 355

**Hematology and Oncology II**  
Carpenter Hall (Sunset Center)  
*Gino In, Presiding*

**10:15 DERMOSCOPIC FEATURES ASSOCIATED WITH LINC00518, PRAME AND TERT EXPRESSION IN PIGMENTED SKIN LESIONS SUSPICIOUS FOR MELANOMA.**

*AL Becker, J Ludzik, E Latour, C Lee, EA Foltz and A Witkowski, Portland, OR; Honolulu, HI; Riverside, CA; Spokane, WA. Oregon Health & Science University John A. Burns School of Medicine at the University of Hawai'i (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 356

**10:30 TELEDERMOSCOPY-AIDED SELF-SKIN EXAMINATIONS FOR REMOTE TRIAGE OF SKIN LESIONS.**

*EA Foltz, J Ludzik, AL Becker and A Witkowski, Portland, OR; Spokane, WA. Oregon Health and Science University Washington State University Elson S. Floyd College of Medicine (WAP/WSCI Travel Award Winner) (WAFMR)*

Abstract 357

**10:45 THE IMPACT OF RACE/ETHNICITY AND GENETICS ON MELANOMA PRIMARY TUMOR SITE, HISTOLOGIC SUBTYPE, AND SITE OF FIRST METASTASES.**

*BO Adnani and G In, Los Angeles, CA. University of Southern California (WAFMR/WAP/WSCI Outstanding Resident Award )*

Abstract 358

**11:00 PSYCHOMETRIC ASSESSMENT OF A NOVEL HEALTH-RELATED QUALITY OF LIFE INSTRUMENT: FUNCTIONAL ASSESSMENT CANCER THERAPY – CUTANEOUS T-CELL LYMPHOMA.**

*C Raymundo, D Hippe, J Bredle, D Cella, L Wagner and M Shinohara, Seattle, WA; Elmhurst, IL; Chicago, IL; Winston-Salem, NC. University of Washington School of Medicine*

Abstract 359

**11:15 A DESCRIPTIVE EXERCISE OF PATIENT SENSATIONS DURING RADIATION THERAPY.**

*S Teplow, S Chandrasekhar and R Ermoian, Seattle, WA. University of Washington*

Abstract 360

**11:30 AUTOMATING LIVER REPORTING AND DATA SYSTEM (LI-RADS) TO CLASSIFY HEPATOCELLULAR CARCINOMA USING ARTIFICIAL INTELLIGENCE.**

*HR Curtis, J Jin, M Christie, A Wilding, S Villamor, J Park, A Beaven, T Smith and D Jin, Loma Linda, CA. Loma Linda University*

Abstract 361

**11:45 ASSESSMENT OF ONLINE YOUTUBE VIDEOS ON RADIOTHERAPY FOR BREAST CANCER.**

*B Chai and P Ingledew, Vancouver, BC, Canada. University of British Columbia*

Abstract 362

**12:00 DERMATOLOGIC COMPLICATIONS IN PEDIATRIC PATIENTS AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION INDICATED FOR SICKLE CELL DISEASE.**

*T Dignum and H Brandling-Bennett, Seattle, WA. University of Washington School of Medicine*

Abstract 363

**12:15 HARVEST FOR HEALTH NORTHWEST: A HOME GARDENING PILOT STUDY TO CULTIVATE THE CONTINUED WELL-BEING OF CANCER SURVIVORS.**

*SE Burke, KC Schuppe, K Chang, BK Jones, N Limberg, L Bloom, J Antongiovanni, K Cusick, G Britt and K Sinclair, Spokane, WA. Washington State University*

Abstract 364

**Infectious Diseases II**

Carmel Women's Club

*Fred Buckner and David Gilbert, Presiding*

**10:15 FREQUENCY AND DURATION OF SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS-2 (SARS-COV-2) IN FECES OF BREASTFED INFANTS OF MOTHERS WITH AND WITHOUT CONFIRMED COVID-19.**

*E King-Nakaoka, AG Morse, R Pace, JE Williams, C Meehan, M Martin, S Ley, C Barbosa-Leiker, MA McGuire and MK McGuire, Seattle, WA; Moscow, ID; Pullman, WA; New Orleans, LA. University of Washington University of Idaho (WSMRF)*

Abstract 365

**10:30 3-AMINOIMIDAZO[1,2-A] PYRIDINE DERIVATIVES AS NOVEL ANTIMICROBIAL COMPOUNDS.**

*I Glassman, C Alcantara, E Bentley, D Vosburg and H Szurmant, Pomona, CA; Claremont, CA. Western University of Health Sciences (WSMRF)*

Abstract 366

**10:45 THE SYPHILIS PROTEIN TP0858 STIMULATES BLOOD AND SKIN T-CELLS DURING INFECTION.**

*VI Cegielski, CD Godornes, TN Pholsena, VL Campbell, A Wald, DM Koelle and TB Reid, Kansas City, MO; Seattle, WA. University of Missouri-Kansas City School of Medicine University of Washington (WSMRF)*

Abstract 367

**11:00 FIRST COUNTRY-LEVEL ESTIMATES ALONGSIDE GLOBAL AND REGIONAL ESTIMATES OF BIRTH PREVALENCE FOR NEONATAL HERPES SIMPLEX VIRUS 2 ACROSS 204 COUNTRIES AND TERRITORIES:**

**GLOBAL BURDEN OF DISEASE STUDY 2021 PRELIMINARY RESULTS.**

*T Gandhi, H Han, B Berice and M Dirac, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 368

**11:15 COMPARITIVE GENE EXPRESSION OF SUSCEPTIBLE AND RESISTANT VECTORS OF THE HUMAN PATHOGEN, *SCHISTOSOMA MANSONI*.**

*A Calcote, J Fuller, Y Xiong, T Pennance, G Owino, M Odiere and M Steinauer, Lebanon, OR; Kisumu, Kenya. College of Osteopathic Medicine of the Pacific Northwest, Western University of Health Sciences (WSMRF)*

Abstract 369

**11:30 MACHINE LEARNING TO PREDICT PNEUMONIA MORTALITY WITH METATRANSCRIPTOMICS.**

*J Bloomstein, N Spottiswoode, W Worodria, L Huang and C Langelier, Seattle, WA; San Francisco, CA; Kampala, Uganda. University of Washington (WAP/WSCI Travel Award Winner)*

Abstract 370

**11:45 COCCIDIOIDAL PULMONARY CAVITATION: A NEW AGE.**

*L Kooner, VK Narang, A Munoz, R Kuran, R Johnson and A Heidari, Bakersfield, CA. Kern Medical (WAFMR)*

Abstract 371

**12:00 SELENIUM DEFICIENCY DECREASES HEPATIC SELENOPROTEIN S EXPRESSION BUT DOES NOT EXACERBATE THE ACUTE HEPATIC ENDOPLASMIC RETICULUM (ER) STRESS RESPONSE AFTER ENDOTOXEMIA.**

*A Hernandez, T Gonzalez, E Bye, G Seedorf, SH Abman, E Mandell, CJ Wright, E Nozik and L Sherlock, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 372

**12:15 CHARACTERIZATION OF THE IMMUNE REACTION TO COVID-19 TREATMENT WITH DEXAMETHASONE: A NARRATIVE REVIEW.**

*S Fleuret, Spokane, WA. University of Washington School of Medicine*

Abstract 373

**Morphogenesis and Malformations**

Rehearsal Room (Sunset Center)

*Bridget Fernandez and June Anne Gold, Presiding*

**10:15 NEUROMUSCULAR DEFICITS IN CLUBFEET ASSOCIATED WITH CONSTRICTION BAND SYNDROME.**

*A Starceвич, L Demetri, MA James and J Lerman, Sacramento, CA; San Francisco, CA. UC Davis School of Medicine (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*

Abstract 374

**10:30 INCIDENCE AND CHARACTERIZATION OF CONCHA BULLOSA IN THE PEDIATRIC POPULATION.**

*JG Jiang, D Mirsky, B Herrmann and S Gitomer, Aurora, CO. University of Colorado School of Medicine*

Abstract 375

**10:45 THE AUTOPHAGY RECEPTOR TEX264 INITIATES ENDOPLASMIC RETICULUM DEGRADATION DURING KERATINOCYTE DIFFERENTIATION.**

*CJ Johnson, A Twiaa and CL Simpson, Seattle, WA. University of Washington (WSMRF)*

Abstract 376

**11:00 HUMAN ADIPOSE DERIVED STEM CELL RESPONSE TO PHYSIOLOGIC BIAXIAL COMPRESSION.**

*M Irby, D Gonzales, J Froio, A Pettit-Miller and D Margolis, Tucson, AZ. University of Arizona*

Abstract 377

**11:15 *Prolacta State-of-The-Art Speaker:*  
HUMAN COHESINOPATHIES: EMBRACING THESE RARE DISORDERS.**

*Matthew A. Deardorff, Children's Hospital Los Angeles, Keck School of Medicine*

**11:45 PERCHING SYNDROME CASE REPORT AND REVIEW OF LITERATURE.**

*A Gomes and LM Bird, San Diego, CA. UCSD (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award)*

Abstract 378

**12:00 INTRAFAMILIAL VARIABILITY IN A FAMILY WITH A GLI2 PATHOGENIC VARIANT: CULLER JONES SYNDROME.**

*CJ Curry, R Bardini, R Kinman and M Willis, Fresno, CA; San Diego, CA. UCSF/Fresno*

Abstract 379

**12:15 DISTAL ARTHROGRYPOSIS WITH IMPAIRED PROPRIOCEPTION AND TOUCH: A CASE REPORT AND REVIEW OF THE LITERATURE.**

*P Erickson and J Schymick, San Jose, CA. Santa Clara Valley Medical Center*

Abstract 380

**Neonatology General IV**

All Saints Church, Seccombe Hall

*Meera N. Sankar and Susan Wang, Presiding*

**10:15 PLATELET TRANSFUSION REFRACTORINESS AMONG NICU PATIENTS RECEIVING MORE THAN 25 PLATELET TRANSFUSIONS.**

*TM Bahr, RK Ohls, SJ Ilstrup and RD Christensen, Salt Lake City, UT; Murray, UT. University of Utah Intermountain Healthcare (WSPR)*

Abstract 381

**10:30 FEASIBILITY OF TRANSFUSING LOW-TITER, COLD-STORED, TYPE O WHOLE BLOOD FOR MASSIVE BLOOD LOSS IN A PERINATAL CENTER.**

*NR Carr, SM Tweddell, TM Bahr, RK Ohls, SJ Ilstrup and RD Christensen, Salt Lake City, UT; Murray, UT. University of Utah (WSPR)*

Abstract 382

**10:45 University of Southern California Joan E. Hodgman State-of-The-Art Lecture: PERINATAL INEQUITIES BY RACE, ETHNICITY & NATIVITY: A JOURNEY TOWARDS ANTI-RACIST RESEARCH .**

*Diana Montoya-Williams, Children's Hospital of Philadelphia*

**11:15 CLINICAL CHARACTERISTICS AND OUTCOMES OF NEONATES WITH PRENATAL METHAMPHETAMINE EXPOSURE.**

*MA Chang, L Barton, SR Sardesai, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center/Keck School of Medicine of University of Southern California*

Abstract 383

**11:30 POSTNATAL OUTCOMES FOR INFANTS WITH NEONATAL OPIOID WITHDRAWAL SYNDROME RECEIVING COORDINATED MATERNAL AND NEONATAL CARE.**

*J Reddish, C Fung, J Shakib and B Muniyappa, Salt Lake City, UT. University of Utah*

Abstract 384

**11:45 PATENT DUCTUS ARTERIOSUS TREATMENTS AND CPQCC DEFINED BPD IN PRETERM INFANTS.**

*C Lee, BJ Cacho, J Kim, P Chun, A Marshall and D Deming, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 385

**12:00 EXPERIENCES OF NICU HEALTHCARE WORKERS SERVING A HIGH-RISK PATIENT POPULATION IN A BORDER COMMUNITY IN HIDALGO COUNTY, TEXAS.**

*EA Gurwitz, D Honrubia and H Lee, McAllen, CA; Edinburg, TX. Stanford University*

Abstract 386

**12:15 OUTCOMES OF TERM AND LATE PRETERM INFANTS AT RISK FOR HYPOGLYCEMIA AT THE MOTHER BABY UNIT.**

*S Siddiqui, JY Massoumi, V Becerra, FB Wertheimer, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center*

Abstract 387

**Nephrology and Hypertension**

Green Room (Sunset Center)

*Charles Edelstein, Presiding*

**10:15 THE EFFECT OF PHARMACOLOGICAL OR GENETIC MANIPULATIONS OF AUTOPHAGY ON POLYCYSTIC KIDNEY DISEASE (PKD) IN MICE.**

D Atwood, A Chaudhary, OA Oto, N Dwivedi and C Edelstein, Aurora, CO. *University of Colorado (WAP)*

Abstract 388

**10:30 LINEAR IGA BULLOUS DERMATOSIS IN A KIDNEY TRANSPLANT RECIPIENT WITH ELEVATED BULLOUS INTERLEUKIN-6 LEVELS: RESPONSIVE TO TREATMENT WITH TOCILIZUMAB (ANTI-IL-6R).**

SC Jordan, B Balzer, C Nast, J Atiznea, K Lim, S Kumar, N Nissen and B Shin, Los Angeles, CA. *Cedars-Sinai Medical Center*

Abstract 389

**10:45 HYPERTENSION IS A RISK FACTOR FOR POOR OUTCOMES IN CHILDREN BORN WITH A KIDNEY MALFORMATION.**

K Taha, M Catapang and D Matsell, Vancouver, BC, Canada. *University of British Columbia (WAP/WSCI Travel Award Winner)*

Abstract 390

**11:00 ONCOSTATIN-M-PLASMINOGEN ACTIVATOR INHIBITOR-1 PROPOSED EFFECTS ON ARTERIOVENOUS FISTULA MATURATION: A LITERATURE REVIEW.**

N DeMarco, V Rai and DK Agrawal, Pomona, CA. *Western University of Health Sciences (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)*

Abstract 391

**11:15 EFFECT OF MATERNAL PREECLAMPSIA ON THE CARDIOVASCULAR AND HEMATOLOGIC SYSTEMS IN LATE PRE-TERM AND TERM NEONATES.**

H Pavlov, R Ramanathan, L Barton and R Cayabyab, Los Angeles, CA. *Keck School of Medicine*

Abstract 392

**11:30 AN INVESTIGATION INTO THE EXPANDED VIABILITY OF HUMAN ADIPOCYTES USING AUTOLOGOUS STROMAL VASCULAR FRACTION.**

MD Marpa, S Gupta and D Sokolov, Loma Linda, CA. *Loma Linda University School of Medicine (WSMRF)*

Abstract 393

**11:45 ENDOTHELIAL-SPECIFIC CXCL12 REGULATES NEOVASCULARIZATION THROUGH FIBROBLAST VEGF SIGNALING DURING TISSUE REPAIR AND REGENERATION.**

AC Hostler, W Hahn, K Fischer, B Stevens, B Litmanovich, H Kussie, D Sivaraj, Z Maan, K Chen and G Gurtner, Tucson, AZ; Palo Alto, CA. *University of Arizona College of Medicine Tucson*

Abstract 394

**12:00 HOW SAFE ARE PREGNANT SURGEONS DURING PERCUTANEOUS NEPHROLITHOTOMY?**



TA Clark, K Park, N Mack, C De Guzman, M Buell, A Amasyali, K Shete, R Leu, A Farkouh, E Baldwin and D Baldwin, Loma Linda, CA. *Loma Linda University*

Abstract 395

**12:15 RISK FACTORS FOR URINARY TRACT INFECTION AND CLINICAL SUCCESS IN CHILDREN WITH PRENATAL HYDRONEPHROSIS WITHOUT HYDROURETER.**

C Elias, AY Lee, MG Sabbah, M Buell, A Fisher, C McKinney, A Farkouh, K Cheng, D Chamberlin and J Chamberlin, Loma Linda, CA. *Loma Linda University*

Abstract 396

**Neuroscience II**

Studio 105 (Sunset Center)

??? Presiding

**10:15 RISK OF RETINAL VASCULAR OCCLUSION AMONG PATIENTS WITH COVID-19 AND INFLUENZA A: A MULTI-CENTERED ANALYSIS.**

K Inouye, H Pakhchanian, R Raiker, D Pham, A Hong, S Dang, M Dalal and M Asahi, Pomona, CA; Washington, Morgantown, WV; Henderson, NV. *Western University of Health Sciences (WSMRF)*

Abstract 397

**10:30 ANTICOAGULATION IN CHILDREN WITH SEPTIC CEREBRAL SINUS VENOUS THROMBOSIS.**

H Seerha, C Amlie-Lefond and K Maher, Seattle, WA. *Seattle Children's Hospital*

Abstract 398

**10:45 CHANGES IN NREM SLEEP DURATION FOLLOWING THALAMIC LOW INTENSITY FOCUSED ULTRASOUND PULSATION: PRELIMINARY DATA.**

R Chawla, J Gumarang, E Rosario, D Patterson, E Chang, G Jenson, C Mantik, N Dhadwal, M Monti and C Schnakers, Pomona, CA; Los Angeles, CA. *Western University of the Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 399

**11:00 LONGITUDINAL STRUCTURAL BRAIN CHANGES FOLLOWING MODERATE-SEVERE TRAUMATIC BRAIN INJURY AND THE EFFECT OF ACUTE REHABILITATION.**

S Schell, AW Kashou, R Jalal, J Ashley, G Griesbach and B Bartnik-Olsen, Loma Linda, CA; Tarzana, CA. *Loma Linda University*

Abstract 400

**11:15 MANAGEMENT OF COMPLEX REGIONAL PAIN SYNDROME: AN UPDATED SYSTEMATIC LITERATURE REVIEW.**

A Kaplan, D Giuliani, L Benoit and T Turner, Clovis, CA; Reedley, CA. *California Health Sciences University (WSMRF)*

Abstract 401

**11:30 EFFECTS OF KETOGENIC DIET ON CORTICAL SURFACE AREA AND CORTICAL THICKNESS FOLLOWING MODERATE TO SEVERE TRAUMATIC BRAIN INJURY.**

*AW Kashou, R Jalal, S Schell, D Tran and B Bartnik-Olsen, Loma Linda, CA. Loma Linda University*

Abstract 402

**11:45 PLACENTAL THROMBOSIS RESULTING IN HYPOXIC ISCHEMIC ENCEPHALOPATHY IN AN INFANT OF A MOTHER WITH COVID-19.**

*K Tedesco, JP WANG, R Ramanathan and AM Yeh, Los Angeles, CA. University of Southern California/LAC+USC Medical Center*

Abstract 403

**12:00 FAINTING AFTER A COUGH: A CASE REPORT OF COUGH SYNCOPE.**

*D Khalid, B Banfer, H Hajeh, G Singh, M Munnangi and L Moosavi, Bridgetown, Barbados; Pomona, CA; Bakersfield, CA. Ross University School of Medicine*

Abstract 404

**12:15 HOLOCORD SPINAL SUBDURAL AND EPIDURAL EMPYEMA WITH MRSA.**

*S Aboaid, G Singh, C D'Assumpcao, L Moosavi, S Mishra, A Heidari and K Radicic, Bakersfield, CA. Kern Medical*

Abstract 405

**Surgery IV**

Room 5 (Sunset Center)

*Subhas Gupta, Presiding*

**10:15 PREOPERATIVE VARIABLES AND POSTOPERATIVE COMPLICATIONS ASSOCIATED WITH OUTPATIENT MORTALITY.**

*CC Alder, R Meguid, MR Bronsert, K Colborn and W Henderson, Aurora, CO. University of Colorado School of Medicine*

Abstract 406

**10:30 IMMEDIATE RECONSTRUCTION WITH AUTOLOGOUS GRAFTS FOR MANAGEMENT OF INFECTED NASAL IMPLANTS.**

*A Kruayatidee, P Shakoori, M Roveló and J Calvert, Beverly Hills, CA. Roxbury Clinic & Surgery Center*

Abstract 407

**10:45 VARIABILITY IN DIAGNOSTIC ULTRASOUND USE FOR SUSPECTED PEDIATRIC ACUTE APPENDICITIS.**

*NA Belliard, S Raymond and E Tagge, Loma Linda, CA. Loma Linda University*

Abstract 408

**11:00 CLINICAL OUTCOMES OF XEN GEL STENT IMPLANTATION ALONE OR IN COMBINATION WITH PHACOEMULSIFICATION: A RETROSPECTIVE STUDY.**

*RD Adekunle, SM Tanya, A Ali-Ridha and X Campos-Moller, St. John's, Canada; Montreal, Canada; Concord, Canada; Corner Brook, Canada. Memorial University*

Abstract 409

**11:15 CAN WE PREDICT NASOPHARYNX DISTANCE IN CHILDREN FOR SWAB TESTING? A PILOT STUDY.**

*C Huang, A Tobia, M Dorling and NK Chadha, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 410

**11:30 APPLICATION OF VIRTUAL REALITY, AUGMENTED REALITY, AND MIXED REALITY IN MUSCULOSKELETAL UNDERGRADUATE MEDICAL EDUCATION: A SCOPING REVIEW.**

*T Chae, D D'Amici and L Leveille, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital*

Abstract 411

**11:45 EFFECTS OF APREPITANT ON POST-OPERATIVE NAUSEA AND VOMITING IN PATIENTS WITH CONGENITAL HEART DISEASE UNDERGOING CARDIAC SURGERY OR CATHETERIZATION PROCEDURES: A RETROSPECTIVE STUDY.**

*JW Belk, M Twite, K Klockau, L Silveria and R Clopton, Denver, CO; Aurora, CO. University of Colorado School of Medicine*

Abstract 412

**12:00 EXPLORING MEDICAL TRAINEE ATTITUDES AND IMPRESSIONS OF AN ACOUSTIC GUIDANCE APPROACH TO TEACHING LAPAROSCOPIC SURGERY.**

*LA Chen, J Lucas, M Fialkow and B Sobba, Seattle, WA; Jefferson, LA. University of Washington School of Medicine (WSMRF)*

Abstract 413

**12:15 SOCIODEMOGRAPHIC CHARACTERISTICS OF PATIENTS UNDERGOING SURGERY FOR METASTATIC DISEASE OF THE SPINE.**

*D Pina, VS Kalistratova, Z Booze, J Holland, J Wick, W Vander Voort, Y Javidan, RF Roberto, E Klineberg, S Lipa, and H Le, Sacramento, CA. University of California, Davis School of Medicine*

Abstract 414

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**COFFEE AND DESSERT BUFFET**  
**1:00-1:45 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 20, 2023**  
**1:45 PM – 4:15 PM**

*Fred Buckner, Henry Lee, and Ricardo Correa, Presiding*

**1:45 WAP/WSCI MAYO SOLEY AWARD**

**Presenter:** *Kristen Nadeau, Children's Hospital Colorado*

**Recipient:** *Jane E.B. Reusch, University of Colorado School of Medicine*

**2:00 WAFMR OUTSTANDING INVESTIGATOR AWARD**

**A NOVEL MODEL OF NEONATAL GLOBAL ISCHEMIA TO IMPROVE  
TRANSLATIONAL STRATEGIES FOR HYPOXIC-ISCHEMIC  
ENCEPHALOPATHY.**

*Robert M. Dietz, Aurora, CO. University of Colorado School of Medicine*

**2:15 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH  
AWARD**

**THE IMPACT OF COVID-19 PANDEMIC ON AFFECTIVE CONCUSSION  
SYMPTOMS IN ADOLESCENTS.**

*E Lupori, V Ugalde and F Dong, Bend, OR; Pomona, CA. Western University of Health  
Sciences The Center for Orthopedic and Neurosurgical Care & Research (WSMRF)*

Abstract 415

**2:30 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE  
RESEARCH AWARD**

**ANTENATAL VITAMIN D THERAPY IMPROVES PULMONARY  
ENDOTHELIAL CELL GROWTH AND RESPONSE TO PROANGIOGENIC  
STIMULI IN A PREECLAMPSIA MODEL OF BRONCHOPULMONARY  
DYSPLASIA RELATED PULMONARY HYPERTENSION.**

*MW Cookson, T Gonzalez, E Bye, G Seedorf, JC Fleet, L Sherlock, SH Abman and E  
Mandell, Aurora, CO; Austin, TX. University of Colorado*

Abstract 416

**2:45 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD**

**TBD**

*Tim Bahr, University of Utah, Intermountain Healthcare*

**3:15 WSPR STANLEY WRIGHT MEMORIAL LECTURE**

**COVID 19 VACCINES: DECISION MAKING DURING A PANDEMIC.**

*Grace Lee, Stanford Children's Health*

**3:45 WSPR ABBOTT NUTRITION JOSEPH ST. GEME Jr. EDUCATION AWARD**

**Presenter:** *Henry Lee, University of California San Diego*

**Recipient:** *Marilyn Jones, University of California, San Diego*

**4:00 JOURNAL OF INVESTIGATIVE MEDICINE REPORT, *Richard McCallum***

**4:15 ADJOURN**

**4:15 WSPR BUSINESS MEETING**

*Mariana Baserga and Henry Lee Presiding - All WSPR members invited*

**4:15 WAFMR BUSINESS MEETING AND RECEPTION**

*Ricardo Correa, Presiding*

*All WAFMR members Invited – Sunset Center – Chapman Room*

**CONCURRENT SESSIONS**

**Saturday, January 21, 2023  
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**

**Behavior, Development and Psychology II .....Chapman Room#4  
Diversity, Equity and Inclusion III.....Room 5, Sunset Center  
Endocrinology and Metabolism III.....Green Room  
Genetics II .....Rehearsal Room  
Healthcare Delivery Research IV.....Babcock #6  
Neonatology – General V.....Carpenter Hall  
Neonatology – Perinatal Biology II.....Studio 105  
Pulmonary and Critical Care II.....Promenade Lobby**

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**Behavior, Development and Psychology II**

Chapman #4 (Sunset Center)

*Nicole Tartaglia and Rebecca Wilson, Presiding*

**8:00 EXAMINING THE FACTORIAL AND STRUCTURAL VALIDITY OF THE  
DASS-21.**

*G Jacobsen, M Casanova and R Baker, Seattle, WA; Moscow, ID. University of  
Washington University of Idaho (WSMRF)*

Abstract 417

**8:15 MOTOR SKILLS IN A STUDY COHORT OF TANNER 2-3 MALES WITH  
KLINEFELTER SYNDROME: MOTOR SUBDOMAIN PROFILES AND  
RELATIONSHIP TO TESTOSTERONE LEVELS.**

*SJ Martin, C Harrison, S Howell and N Tartaglia, Denver, CO; Aurora, CO. Children's  
Hospital Colorado (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 418

**8:30 DEVELOPMENTAL PROFILES IN A COHORT OF NONVERBAL/MINIMALLY  
VERBAL INDIVIDUALS WITH NEURODEVELOPMENTAL DISABILITIES  
WITH KNOWN PATHOGENIC VARIANTS ON WHOLE GENOME  
SEQUENCING.**

*VK Ma, AH Borbe, A Egense, A Suzuki, R Punatar, K Angkustsiri and SP Shankar,  
Sacramento, CA. UC Davis UC Davis (WSPR Prolacta Fellow Research Travel Award)*

Abstract 419

**8:45 IMPACT OF EDUCATIONAL INTERVENTION ON DELIRIUM MANAGEMENT IN HOSPITALISTS' PRACTICE.**

*L Pennington, E Onyema, L Standiford, M Kwak and R Jantea, Houston, TX. University of Texas Health Science Center at Houston- John P and Katherine G McGovern Medical School (WSMRF)*

Abstract 420

**9:00 IMPACT OF A BRIEF FAMILY INTERVENTION ON AFRICAN AMERICAN YOUTHS' ATTITUDES TOWARDS RISKY BEHAVIORS.**

*E Sankhala, D Taylor and U Rao, Irvine, CA; Orange, CA. University of California, Irvine*

Abstract 421

**9:15 MENTAL HEALTH PERSPECTIVES OF YOUTH & YOUNG ADULTS AT A MEDICAL SCIENCES UNIVERSITY IN BHUTAN.**

*AL Ackermann, S Harrigan, C Boen, M Dykstra, B Mao, J Lin, B Ng, C Piccolo, E Slade, A Feng, K Thompson, V Kapoor and G Lam, Kelowna, Canada. University of British Columbia*

Abstract 422

**9:30 EMERGENCY DEPARTMENT USAGE PATTERNS FOLLOWING IMPLEMENTATION OF A MEDICATION ASSISTED THERAPY PROGRAM FOR OPIOID USE DISORDER.**

*AT Turner, E Rai and TE Robey, Spokane, WA; Los Angeles, CA; Everett, WA. Washington State University (WSMRF)*

Abstract 423

**9:45 PSYCHIATRIC ILLNESS IN HOSPITALIZED DERMATOLOGY PATIENTS.**

*T Norman and S Worswick, Los Angeles, CA. Keck School of Medicine of the University of Southern California*

Abstract 424

**Diversity, Equity and Inclusion III**

Room 5 (Sunset Center)

*Ricardo Correa, Presiding*

**8:00 ENHANCING SEXUAL AND REPRODUCTIVE HEALTH LITERACY AND EMPOWERMENT FOR INDIGENOUS ADOLESCENT FEMALES THROUGH A COMPREHENSIVE, COMMUNITY-BUILT EDUCATION SERIES IN RURAL NEPAL.**

*KM Gray, A Chambers, L Nakajima, S Loughton, S Bondy, A Ho and V Kapoor, Vancouver, BC, Canada. University of British Columbia*

Abstract 425

**8:15 COMPARING ACADEMIC AND SOCIAL DISPARITIES BETWEEN MEDICAL STUDENTS OF DIFFERENT RACIAL GROUPS.**

*M Alba, A Devati, L Wang and JM Dobrich, Reno, NV. University of Nevada School of Medicine*

Abstract 426

- 8:30 PERSPECTIVES ON A TRANSITION TO STANDARDIZED LETTERS OF RECOMMENDATION TO SUPPORT CANDIDATES APPLYING TO GRADUATE MEDICAL EDUCATION PROGRAMS: CAN A STEP TOWARDS HOLISTIC REVIEW IMPROVE DIVERSITY, EQUITY, AND INCLUSION GOALS?**  
*A Nguyen, C Zipf-Sigler, A Huang, R De Leon and A Kumar, Spokane, WA; Seattle, WA; Allentown, PA. Washington State University Elson S. Floyd College of Medicine*  
Abstract 427
- 8:45 THE IMPACT OF HOMELESSNESS ON MANAGEMENT OF MENSTRUATION AND DYSMENORRHEA IN POMONA, CA.**  
*GK Ahuja, S Holtzman, S Fuchs and AL Nelson, Pomona, CA. Western University of Health Sciences*  
Abstract 428
- 9:00 THE IMPACT OF STRUCTURAL HEALTH INEQUITIES ON THE AAP'S 2022 POLICY: BREASTFEEDING AND THE USE OF HUMAN MILK.**  
*S Saleem and K Burger, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific (WSMRF)*  
Abstract 429
- 9:15 BARRIERS AND FACILITATORS TO STAYING ON PERITONEAL DIALYSIS AMONG BLACK AND LATINO PATIENTS.**  
*A Oh, G Davidson, MB Rivara, J Bullock, A Dick and E Serrano, Seattle, WA. University of Washington (WSMRF)*  
Abstract 430
- 9:30 THE EFFECTS OF MEDICAL STUDENT MENTORSHIP ON DISADVANTAGED PRE-MED UNDERGRADUATE STUDENTS.**  
*RD Lopez-Flores, A Edossa, S Thomas and Z Walker, Reno, NV. University of Nevada, Reno School of Medicine (WSMRF)*  
Abstract 431
- 9:45 COMPARISON OF OCCUPATIONAL THERAPY AND OSTEOPATHIC MANIPULATIVE TREATMENT IN NEONATAL INTENSIVE CARE UNITS.**  
*S Saleem, K Burger, B Takata, B Zufall and C Oosterbaan, Pomona, CA; West Covina, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific (WSMRF)*  
Abstract 432

### **Endocrinology and Metabolism III**

Green Room (Sunset Center)

*Sebastien Fuchs, Presiding*

- 8:00 ORAL RISEDRONATE TREATMENT IN VARIOUS FORMS OF PEDIATRIC OSTEOGENESIS IMPERFECTA.**



*S Molakalapalli, A Nguyen, P Pitukcheewanont and A Ryabets-Lienhard, Los Angeles, CA. Children's Hospital Los Angeles Keck School of Medicine, USC (WAFMR)*

Abstract 433

**8:15 METABOLIC IMPACTS ON POST-SURGICAL OUTCOMES AFTER HEMIEPIPHYSIODESIS FOR HYPOPHOSPHATEMIC RICKETS.**

*I Marpuri, I Chen, C Grimbly, O Abousamra and A Ryabets-Lienhard, Los Angeles, CA; Edmonton, Canada. Children's Hospital Los Angeles (WAP/WSCI Travel Award Winner)*

Abstract 434

**8:30 PHENOTYPIC DIFFERENCES IN A MOTHER AND SON WITH X-LINKED HYPOPHOSPHATEMIA.**

*N Shrestha and C Lovato, Albuquerque, NM. University of New Mexico*

Abstract 435

**8:45 TEPROTUMUMAB FOR TREATMENT OF PRETIBIAL MYXEDEMA.**

*MP Reyes, J Singh, D Turnbull and J Cabrera, Porterville, CA. Sierra View Medical Center*

Abstract 436

**9:00 EVALUATING THE FREQUENCY, CHARACTERISTICS, AND SEVERITY OF NON-OSSIFYING FIBROMAS IN CHILDREN WITH CONGENITAL FORMS OF RICKETS AT TWO TERTIARY CARE CENTERS IN THE US AND CANADA.**

*S Torres, C Grimbly, L Ward, K Antoniak, O Abousamra and A Ryabets-Lienhard, Los Angeles, CA; Edmonton, Canada; Ottawa, , Canada. Keck School of Medicine, USC*

Abstract 437

**9:15 PELLAGRA, FROM HISTORY BOOKS TO PRESENT CLINICAL PRACTISE: A CASE REPORT OF ALCOHOLIC PELLAGROUS ENCEPHALOPATHY.**

*H Hajeh, S Narula, S Mishra and K Radicic, Bakersfield, CA. UCLA Kern Medical*

Abstract 438

**9:30 LEVOTHYROXINE DOSES IN PREGNANCY AND PREGNANCY OUTCOMES.**

*Y Pedram, Los Angeles, CA. University of Southern California*

Abstract 439

**9:45 PSEUDOHYPOPARATHYROIDISM TYPE 1B PRESENTING AS EARLY ONSET, SEVERE OBESITY.**

*KL Eckert, Sacramento, CA. UC Davis*

Abstract 440

**Genetics II**

Rehearsal Room (Sunset Center)

*Jessica Duis and Vanina Taliercio, Presiding*

**8:00 INPATIENT RAPID EXOME/GENOME SEQUENCING.**

*AJ Schildt, D Stevenson, L Yu, B Anguiano and CJ Suarez, Stanford, CA. Stanford University*

Abstract 441

- 8:15 LANDSCAPE OF CHROMOSOMAL MICROARRAY ANALYSIS FINDINGS IN CHILDREN WITH AUTISM, DEVELOPMENTAL DELAYS, INTELLECTUAL DISABILITY, CONGENITAL ANOMALIES WITH COMORBID CONDITIONS - A SINGLE CENTRE RETROSPECTIVE REVIEW.**  
*C Yang and EM Spiteri, Palo Alto, CA. Stanford Medicine*  
Abstract 442
- 8:30 THE EXTRAORDINARY BABIES STUDY: ANALYSIS OF PHYSICAL FEATURES OF PRENATALLY IDENTIFIED INFANTS WITH SEX CHROMOSOME TRISOMIES (SCT).**  
*J Kirk, S Davis, S Howell, M Brown and N Tartaglia, Aurora, CO. University of Colorado Anschutz Medical Campus Children's Hospital Colorado (WSPR Abbott Nutrition Subspecialty Award)*  
Abstract 443
- 8:45 ACTIVATED PLCB4 SYNDROME: A MULTISYSTEM DISORDER WITH POTENTIALLY TREATABLE LETHAL VASOSPASM.**  
*M Deardorff, S Kanai, A Kumar, J Bernstein, M Lines, C Gordon and D Clouthier, Los Angeles, CA; Palo Alto, CA; Denver, CO; Calgary, , Canada; Paris, France. Children's Hospital Los Angeles*  
Abstract 444
- 9:00 A NOVEL MYOFIBRILLAR MYOPATHY IN A FAMILY WITH COMPOUND HETEROZYGOUS FLNC VARIANTS.**  
*V Kimonis, G Lee and K Hall, Orange, CA. University of California, Irvine*  
Abstract 445
- 9:15 EVIDENCE THAT RARE, MOTIF-ATYPICAL TANDEM REPEAT EXPANSIONS IN FGF14 ARE ASSOCIATED WITH AUTISM SPECTRUM DISORDER.**  
*BA Fernandez, J Howe, W Engchaun, SW Scherer, RK Yuen, C Shum, AJ Chan and B Trost, Los Angeles, CA; Toronto, Canada. Children's Hospital Los Angeles Keck School of Medicine of USC*  
Abstract 446
- 9:30 NEXT GENERATION PHENOTYPING WITH QUANTITATIVE NARRATION FOR DEGCAGS SYNDROME.**  
*J Woods, R Freeman, and A Noronha, Madera, CA; Palo Alto, CA; Oakland, CA. Valley Children's Hospital Stanford University (WSPR Reckitt/Mead Johnson Nutrition Subspecialty Award)*  
Abstract 447
- 9:45 MOLECULAR TESTING IN NEWBORN SCREENING: VARIANT OF UNKNOWN SIGNIFICANCE BURDEN AMONG TRUE POSITIVE AND REPRODUCTIVE LIMITATIONS.**  
*E Dunn, S Cook, L Calderwood, M Campion and CG Tise, Palo Alto, CA. Stanford University*  
Abstract 448

## **Healthcare Delivery Research IV**

Babcock #6 (Sunset Center)

??? *Presiding*

**8:00 USABILITY AND EFFICACY OF A CLINICAL DECISION SUPPORT TOOL.**

*S Zoucha, D Bailly and M Winder, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 449

**8:15 BRAIN CANCER DIAGNOSIS AND PROGNOSIS USING ARTIFICIAL INTELLIGENCE AND IMAGING.**

*KH Miao and JH Miao, New York, NY. NYU School of Medicine Cornell University (WAFMR)*

Abstract 450

**8:30 PREDICTING PATHOLOGICAL FRACTURES AND OPTIMIZING MANAGEMENT WITH RADIATION AND SURGERY FOR PATIENTS WITH BONE METASTASES USING APPLICATIONS OF MEDICAL IMAGING AND ARTIFICIAL INTELLIGENCE.**

*JH Miao, New York, NY. Cornell University (WAFMR)*

Abstract 451

**8:45 WOES OF DRIED BLOOD SPOT TESTING: DISCREPANCIES WHEN COMPARED TO REFERENCE VALUES.**

*LW Raymond, Charlotte, NC; Chapel Hill, NC. Atrium Health University of North Carolina, Chapel Hill (WAFMR)*

Abstract 452

**9:00 EVALUATION OF ENVIRONMENTAL IMPACT REDUCTION USING MULTIDOSE CONTRAST INJECTOR IN THE EMERGENCY SETTING: A RETROSPECTIVE SINGLE CENTER EXPERIENCE.**

*N Kar, S Park, C Fateri, S Rao, B Roth, V Yaghmai and R Houshyar, Orange, CA. University of California at Irvine*

Abstract 453

**9:15 IMPACT OF COVID-19 PANDEMIC ON OSTEOPOROSIS SCREENING USING DUAL-ENERGY X-RAY ABSORPTIOMETRY.**

*LA Hisatomi, A Villegas, M White, D Pina, A Garfinkel, G Agrawal, N Punatar, B Wise, P Teng and H Le, Elk Grove, CA; Sacramento, CA. California Northstate University, College of Medicine UC Davis School of Medicine (WSMRF)*

Abstract 454

**9:30 PATIENT EXPERIENCE IN USING EXERCISERX APP: ELECTRONIC HEALTH RECORDS EMBEDDED PLATFORM TO SUPPORT PHYSICAL ACTIVITY IN PATIENTS.**

*S Mozafari, R Raji, A Moroney, S Munson and C Lin, Seattle, WA; Moscow, ID. University of Washington University of Idaho (WSMRF)*

Abstract 455

**9:45 EVALUATING THE QUALITY OF YOUTUBE VIDEOS ON VAGAL NERVE STIMULATION TREATMENT FOR DRUG-RESISTANT EPILEPSY.**

*MK Tran and B Afghani, Newport Beach, CA; Orange, CA. Corona Del Mar High School (WSMRF)*

Abstract 456

**Neonatology General V**

Carpenter Hall

*Shelley Lawrence and Deepika Sankaran, Presiding*

**8:00 ALTERNATIVE METHODS OF BILIRUBIN MEASUREMENT IN PRETERM AND TERM INFANTS ADMITTED TO NICU.**

*M Biniwale, D Cho, L Barton, K Ramm and R Ramanathan, Los Angeles, CA. LAC+USC Medical Center*

Abstract 457

**8:15 GROWTH TRAJECTORIES OF PRETERM NEONATES WITH FETAL GROWTH RESTRICTION ARE SIMILAR TO APPROPRIATE FOR GESTATIONAL AGE PRETERM NEONATES DURING NICU HOSPITALIZATION.**

*H Hesse, C Levek, T Hernandez and LD Brown, Aurora, CO. University of Colorado SOM*

Abstract 458

**8:30 ASSESSING THE CLINICAL IMPACT OF SUPPLEMENTAL HUMAN MILK CREAM IN VERY LOW BIRTH WEIGHT INFANTS RECEIVING AN EXCLUSIVE-HUMAN BASED NUTRITION.**

*M Tetarbe, M Chang, L Barton, R Ramanathan and R CAYABYAB, Los Angeles, CA. University of Southern California (WSPR Prolacta Fellow Research Travel Award)*

Abstract 459

**8:45 CEREBROVASCULAR RESPONSES TO A 90° TILT IN HEALTHY NEONATES.**

*JS Chwa, BS Peterson, M Borzage, KM Brady, JC Wood and NN Tran, Los Angeles, CA; Chicago, IL. Keck School of Medicine, University of Southern California*

Abstract 460

**9:00 OUTCOMES OF INFANTS IN THE MOTHER BABY UNIT AFTER THE IMPLEMENTATION OF ORAL GLUCOSE GEL FOR NEONATAL HYPOGLYCEMIA.**

*JY Massoumi, S Siddiqui, V Becerra, R Cayabyab, R Ramanathan and FB Wertheimer, Los Angeles, CA. LAC+USC Medical Center*

Abstract 461

**9:15 PLATELET TRANSFUSIONS IN A MULTI-NICU HEALTHCARE ORGANIZATION BEFORE VS. AFTER PUBLICATION OF THE PLANET-2 STUDY.**

*TM Bahr, TR Christensen, ER Henry, M Astin, SJ Ilstrup, RK Ohls and RD Christensen,*

Murray, UT; Salt Lake City, UT. *Intermountain Healthcare University of Utah (WSPR)*  
Abstract 462

**9:30 A HUMAN MILK DIET IN LATE PRETERM AND TERM INFANTS IN THE NEONATAL INTENSIVE CARE UNIT: A PILOT RANDOMIZED CONTROLLED TRIAL.**

*N Pithia, K Kesavan, M Garg and KL Calkins, Los Angeles, CA. UCLA (AFMR Henry Christian Award) (WSPR)*

Abstract 463

**9:45 PARENTAL PERCEPTIONS SURROUNDING RAPID WHOLE GENOME SEQUENCING IN THE NEONATAL INTENSIVE CARE UNIT.**

*R Levy, S Malone Jenkins, R Plamquist, C Solorzano, JL Bonkowsky and C Torr, Salt Lake City, UT. University of Utah*

Abstract 464

**Neonatology - Perinatal Biology II**

Studio 105 (Sunset Center)

*Viviana M. Fajardo and Camille Fung, Presiding*

**8:00 CIRCADIAN DISRUPTION IMPACTS FEMALE FERTILITY.**

*SM Britz, KM Earhart, JK Pru and EE Schmitt, Seattle, WA; Laramie, WY. University of Washington School of Medicine (WSMRF)*

Abstract 465

**8:15 THE ROLE OF GATA4 IN LUNG HYPOPLASIA AND PULMONARY HYPERTENSION ASSOCIATED WITH CONGENITAL DIAPHRAGMATIC HERNIA.**

*B Pham, G Stokes, M Wienhold, R Hernan, W Chung and D McCulley, San Diego, CA; New York, NY; Madison, WI. University of California, San Diego Rady Children's Hospital of San Diego (WSPR)*

Abstract 466

**8:30 ANGIOGENIC PATHWAYS ARE LOWERED IN THE SKELETAL MUSCLE OF THE IUGR FETUS.**

*T Dear, E Chang, S Jonker, P Rozance and LD Brown, Aurora, CO; Portland, OR. University of Colorado*

Abstract 467

**8:45 CONTINUOUS INFUSION OF RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 AND BINDING PROTEIN 3 IMPROVES RESPIRATORY GAS EXCHANGE INDICES IN MECHANICALLY VENTILATED PRETERM LAMBS.**

*D Hubbard, A Rebentisch, E Major, Z Vordos, J Van Boerum, E Dawson, D Null, MJ Dahl, N Barton, G Carey, M McHale, R Ward and K Albertine, Salt Lake City, UT; Sacramento, UT; Cambridge, MA; Altrincham, United Kingdom. University of Utah University of California, Davis (AFMR Henry Christian Award) (WSMRF)*

Abstract 468

**9:00 BIOLOGIC POTENTIAL OF HUMAN UMBILICAL CORD DERIVED MESENCHYMAL STEM CELLS EXPOSED TO MATERNAL SMOKING AND ACTIVE SARS-COV-2 INFECTION AT DELIVERY.**

*S Janardhan, F Bany-Mohammed, C Uy and M Aslam, Orange, CA. University of California, Irvine*

Abstract 469

**9:15 UTEROPLACENTAL INSUFFICIENCY DOES NOT ALTER BRAIN DHA ACCRETION IN THE RAT.**

*S Hochhauser, A Cohen, H Wang, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah University of Utah (WSPR Prolacta Graduate Student Research Travel Award)*

Abstract 470

**9:30 PANETH CELL ONTOGENY IN TERM AND PRETERM LAMBS.**

*A Cera, G Bautista, S Gugino, S Lakshminrusimha and S McElroy, Sacramento, CA; Buffalo, NY. University of California Davis*

Abstract 471

**9:45 POLYUNSATURATED FATTY ACIDS MEDIATE INFLAMMATION AND IMMUNITY IN A MURINE MODEL OF PATHOLOGICAL NEOVASCULARIZATION IN OXYGEN-INDUCED RETINOPATHY.**

*ES Kim, M Lin, B Aguirre, M Wadehra, KL Calkins and A Chu, Los Angeles, CA. University of California, Los Angeles (WSPR Abbott Nutrition Subspecialty Award) (WSPR)*

Abstract 472

**Pulmonary and Critical Care II**

Promenade Lobby (Sunset Center)

*Michael Schivo, Presiding*

**8:00 THE EFFECT OF AN SOD MIMETIC ON INTERSTITIAL MACROPHAGE ACCUMULATION IN CHRONIC HYPOXIC PULMONARY HYPERTENSION.**

*TN Nguyen, C Lewis, JN Posey, M Jordan, SD Burciaga, R Oberley-Deegan, C Delaney and E Nozik, Aurora, CO; Omaha, NE. University of Colorado Anschutz Medical Campus University of Colorado Anschutz Medical Campus*

Abstract 473

**8:15 DRILLING DOWN ON HARD METAL LUNG DISEASE.**

*SA Gandhi, O Saeed, KD Jones, RA Cohen, P Blanc and L Santhosh, Indianapolis, IN; San Francisco, CA; Chicago, IL. UCSF (WAP/WSCI Travel Award Winner)*

Abstract 474

**8:30 LONGITUDINAL FOLLOW-UP OF PULMONARY FUNCTION IN PATIENTS HOSPITALIZED WITH PULMONARY COVID-19.**

*R Liu, J Chiu, C Flores, K Jong, S Pavuluri, C Palomino, R Randeri and B Afghani, Irvine, CA; Orange, CA. UC Irvine (WAFMR)*

Abstract 475

**8:45 SERUM PROCALCITONIN LEVEL IN PULMONARY COCCIDIOIDOMYCOSIS INFECTION.**

*S Aboaid, R Sharma, A Heidari and A Aboeed, Bakersfield, CA. Kern Medical*

Abstract 476

**9:00 PLATELET ALPHA GRANULE DEFICIENCY DELAYS THE DEVELOPMENT OF HYPOXIA-INDUCED PULMONARY HYPERTENSION.**

*JN Posey, M Jordan, SD Burciaga, E Nozik and C Delaney, Aurora, CO. University of Colorado, Anschutz Medical Campus*

Abstract 477

**9:15 MECHANICAL JAW THRUST: A SIMPLE IMPROVEMENT TO AN ESSENTIAL MANEUVER.**

*N Banyl, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 478

**9:30 A SHOCKING SOLUTION TO SHOCK.**

*J Kim, AA Zeki and L William, Sacramento, CA. UC Davis*

Abstract 479

**9:45 AN 81-YEAR-OLD MAN WITH SUDDEN ONSET DYSPNEA AND ORTHOPNEA.**

*AM Lim, JK Oberndorf, R Hambartzhumian and C Morales Chinchillas, Rancho Mirage, CA. Eisenhower Medical Center*

Abstract 480

**CONCURRENT SESSIONS**

**Saturday, January 21, 2023**

**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**

**Case Reports II.....Promenade Lobby  
Genetics III.....Rehearsal Room  
Healthcare Delivery Research IV.....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**

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**Case Reports II**

Promenade Lobby (Sunset Center)

*W. Conrad Liles, Presiding*

**10:15 PRIMARY MONKEYPOX AND SECONDARY SYPHILIS IN AN HIV PATIENT:  
A COMMUNITY HOSPITAL EXPERIENCE.**

C D'Assumpcao, G Castanares, *M Fang*, R McPheeters and A Heidari, Bakersfield, CA.

*Kern Medical*

Abstract 481

**10:30 MYOPERICARDITIS IN A PEDIATRIC PATIENT WITH TYPICAL  
HEMOLYTIC UREMIC SYNDROME.**

A Lew, A Henning and S Kache, Palo Alto, CA. *Stanford University*

Abstract 482

**10:45 PURPLE URINE BAG SYNDROME: A RARE PHENOMENON OF URINARY  
TRACT INFECTION.**

*D Khalid*, H Hajeh, G Singh, M Munnangi and N Quillatupa, Bridgetown, Barbados;  
Bakersfield, CA; Pomona, CA. *Ross University School of Medicine*

Abstract 483

**11:00 A CASE OF SECOND-GENERATION, VERTICALLY TRANSMITTED, MULT-  
DRUG RESISTANCE CONGENITAL HIV.**

*A Mills*, J Wang, AM Yeh and M Cielo, Los Angeles, CA. *University of Southern  
California/LAC+USC Medical Center*



Abstract 484

**11:15 CATASTROPHIC CASE OF WEST NILE VIRUS RHOMBOENCEPHALITIS IN A PATIENT WITH AIDS.**

C D'Assumpcao, *R Sharma*, M Valdez, E Salimi, A Chaudhry, R Kuran and A Heidari, Bakersfield, CA; Los Angeles, CA; Pomona, CA. *Kern Medical David Geffen School of Medicine, UCLA*

Abstract 485

**11:30 PRIMARY DISSEMINATED *NOCARDIA BRASILIENSIS* IN AN IMMUNOCOMPETENT PATIENT.**

A Hauser, *M Valdez*, G Singh, J Mungcal, I Fong, C D'Assumpcao, K Radicic and A Heidari, Bakersfield, CA. *Kern Medical*

Abstract 486

**11:45 MENINGOVASCULAR NEUROSYPHILIS PRESENTING WITH ANOMIC APHASIA.**

C D'Assumpcao, *A Garcia*, C Logan, K Sabetain, R Johnson and A Heidari, Bakersfield, CA; Bridgetown, Barbados; Cupecoy, Sint Maarten (Dutch part). *Ross University School of Medicine*

Abstract 487

**Genetics III**

Rehearsal Room (Sunset Center)

*Heather Byers and Dave Viskochil, Presiding*

**10:15 DETECTION OF ZELLWEGER SPECTRUM DISORDER ON NEWBORN SCREENING AND THE VALUE OF URINE ORGANIC ACID STUDIES.**

*L Chilakamarri*, SM Huguenin, T Cowan, K Cusmano-Ozog and CG Tise, Palo Alto, CA; Santa Clara, CA. *Stanford University*

Abstract 488

**10:30 HEART TRANSPLANTATION IN MULIBREY NANISM: TRULY PERSONALIZED MEDICINE.**

*E Frandsen*, N Shwaish, M Bock and J Gold, Loma Linda, CA; San Diego, CA. *Rady's Children's Hospital WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award*

Abstract 489

**10:45 REFINEBIO: THE BRIDGE BETWEEN REFINE.BIO AND BIOCONDUCTOR.**

*A Ho* and S Davis, Aurora, CO. *University of Colorado Anschutz School of Medicine*

Abstract 490

**11:00 INTERACTIONS BETWEEN RAPTOR AND TRANSLATION GENES CONTROLLING HYPOXIC DEATH.**

*A Correa-Medina* and C Crowder, Seattle, WA. *University of Washington School of Medicine*

Abstract 491

**11:15 EVALUATION OF FAMILY HISTORY DOCUMENTATION IN A TERTIARY PEDIATRIC ONCOLOGY SETTING BEFORE AND AFTER DIDACTIC INTERVENTION.**

*F Bhansali, K Woo, N Federman and V Chang, Los Angeles, CA. UCLA*

Abstract 492

**11:30 NEW FINDING OF CARDIOMYOPATHY IN MED12-RELATED DISORDER.**

*ER Vieta-Ferrer, NJ Halnon, A Shikany, K Weaver and B Russell, Los Angeles, CA; Cincinnati, OH. UCLA Jules Stein Eye Institute-UCLA*

Abstract 493

**11:45 JUVENILE XANTHOGRAMULOMAS IN NF1: SHOULD WE WORRY?**

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

Abstract 494

**Healthcare Delivery Research V**

Babcock #6 (Sunset Center)

*??? Presiding*

**10:15 IMPACT OF COVID-19 PANDEMIC ON PHARMACOLOGIC TREATMENT OF PATIENTS NEWLY DIAGNOSED WITH OSTEOPOROSIS.**

*M White, LA Hisatomi, A Villegas, D Pina, A Garfinkel, G Agrawal, N Punatar, B Wise, P Teng and H Le, Sacramento, CA; Elk Grove, CA. UC Davis School of Medicine*

Abstract 495

**10:30 INCREASE IN CENTRAL LINE-ASSOCIATED AND HEALTHCARE-ASSOCIATED BLOODSTREAM INFECTIONS IN THE UNIVERSITY OF UTAH NEONATAL INTENSIVE CARE UNIT.**

*M Nolan, M Elkayssi, B Chan, C Ling and P Grubb, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 496

**10:45 PERSPECTIVES OF A PREDOMINANTLY MARGINALIZED POPULATION ON TELEMEDICINE.**

*M Azarmi, S Hussain, D Chin, H Nguyen-Tang and B Afghani, Orange, CA. UC Irvine School of Medicine Children's Hospital of Orange County*

Abstract 497

**11:00 BRAIN HEALTH PROGRAM CLINICALLY IMPROVES QUALITY OF LIFE OUTCOMES FOR PATIENTS WITH MULTIPLE SCLEROSIS.**

*J Felker, L Vidal, J Skoda, K Keefer and A Miravalle, Aurora, CO; Fort Collins, CO. University of Colorado School of Medicine (WSMRF)*

Abstract 498

**11:15 TREATING MYOFASCIAL PAIN IN OHELLO, WA: DRY & WET NEEDLING**

**THERAPIES.**

*M Zha, RE Caro and J Alsarraj, Othello, WA; Spokane, WA. Columbia Basin Health Association*

Abstract 499

**11:30 TIKTOK, IT'S THAT TIME OF MONTH: A QUALITATIVE EVALUATION OF TIKTOK AS A SOURCE OF INFORMATION ON MENSTRUATION.**

*N Nguyen, CM Haddadin and AL Nelson, Pomona, CA. Western University of Health Sciences*

Abstract 500

**11:45 HOME VS. HOSPITAL BIRTH: PATIENT PERCEPTIONS, ATTITUDES, AND ADVICE EXPRESSED ON REDDIT.**

*K Morris, F Lane, A Nelson and H Stohl, Pomona, CA; Lebanon, OR; Los Angeles, CA. Western University of Health Sciences*

Abstract 501

**Hematology and Oncology III**

Green Room (Sunset Center)

*Everardo Cobos, Presiding*

**10:15 THE ROLE OF LIPOCALIN-2 IN TRIPLE NEGATIVE BREAST CANCER SPHEROID/ORGANOID PROGRESSION AND INVASION.**

*A Gerami, J Gamez, J Cox, F Sanchez and J Kelber, Pomona, CA; Northridge, CA. Western University of Health Sciences California State University, Northridge (WSMRF)*

Abstract 502

**10:30 CROSS SECTIONAL ANALYSIS OF TRANSCRIPTOMICS IN MELANOMA-BRAIN METASTASIS.**

*JJ Owen, S Capone and G In, Dallas, TX; Los Angeles, CA; Roanoke, VA. Texas A&M School of Medicine (WSMRF)*

Abstract 503

**10:45 CELL-FREE DNA ACCURATELY DISTINGUISH VISCERAL METASTASES BASED ON TRANSCRIPTION FACTOR BINDING SITES IN RADIUM-223-TREATED METASTATIC CASTRATION-RESISTANT PROSTATE CANCER.**

*DD Chen, A Zimmer, AD Choudhury and G Ha, Seattle, WA; Boston, MA. University of Washington School of Medicine*

Abstract 504

**11:00 BLADDER CANCER CHEMOTHERAPY RESISTANCE IS REGULATED BY RNA METHYLATION.**

*E Hodara, A Madas, S Rhie and A Goldkorn, Los Angeles, CA. Keck School of Medicine of USC (WSMRF)*

Abstract 505

**11:15 HYPONATREMIA IN PEDIATRIC B-ALL PATIENTS DURING INDUCTION**

**THERAPY.**

*TL Thein and P Gaynon, Los Angeles, CA. Keck School of Medicine of USC (WSMRF)*

Abstract 506

**11:30 ROLE OF TGF-B PATHWAY ACTIVATION IN METASTATIC EWING SARCOMA.**

*T Lipson, E Wrenn and E Lawlor, Seattle, WA. Seattle Children's Research Institute  
University of Washington School of Medicine (WSMRF)*

Abstract 507

**11:45 AUGMENTING TRADITIONAL SICKLING TEST USING AUTOMATED MICROSCOPY AND MACHINE LEARNING: A LOW-COST APPLICATION FOR SICKLE CELL DISEASE SCREENING IN RURAL NEPAL.**

*C Bhatla, P Shrestha, R Hong, C Harrigan, Y Deng, C Lanz, V Kapoor and B Stoeber,  
Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 508

**Immunology and Rheumatology II**

Room 5 (Sunset Center)

*Jane Buckner, Presiding*

**10:15 State-of-The-Art Speaker:**

**REGULATORY T CELLS IN T1D – FROM GWAS TO GENE EDITING.**

*Jane Hoyt Buckner, Benaroya Research Institute, University of Washington*

**10:45 NNIF-MEDIATED NEUTROPHIL EXTRACELLULAR TRAP INHIBITION REQUIRES NEUTROPHIL PROTEINASE 3 EXPRESSION.**

*JL Rustad, A Ajanel Gomez, M Kowalczyk, MJ Cody, C de Araujo, F Denorme, RA  
Campbell and CC Yost, Salt Lake City, UT; Burlington, VT. University of Utah  
University of Vermont College of Medicine (WAFMR/WAP Student Subspecialty Award  
Winner) (WSMRF)*

Abstract 509

**11:00 USE OF DISEASE MODIFYING ANTI-RHEUMATIC DRUGS AND RISK OF MULTIPLE MYELOMA IN RHEUMATOID ARTHRITIS.**

*Y Tokareva, A Peterson, A Baraff, N Smith, D Coffey, N Weiss and N Singh, Seattle,  
WA; Miami, FL. University of Washington*

Abstract 510

**11:15 TRANSCRIPTIONAL PROFILING OF GERMLINE-ENCODED, MYCOLYL-REACTIVE CELLS IN PREVIOUSLY MYCOBACTERIUM TUBERCULOSIS-EXPOSED PERUVIANS.**

*A Hsieh, K Lopez, SK Iwany, JF Reijneveld, TA Ocampo, J Jimenez, R Calderon, L  
Lecca, MB Murray, DB Moody, I Van Rhijn and S Suliman, San Francisco, CA; Pomona,  
CA; Lima, Peru; Boston, MA; Utrecht, Netherlands. UCSF School of Medicine College of  
Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)*

Abstract 511

**11:30 A COMPARISON OF FACTORS ASSOCIATED WITH IMMINENT TRANSITION FROM PRE-RHEUMATOID ARTHRITIS TO CLINICALLY-APPARENT INFLAMMATORY ARTHRITIS IN ACPA POSITIVE INDIVIDUALS.**

*DC Carlson, ML Feser, DT Bergstedt, CC Striebich and K Deane, Aurora, CO; Denver, CO. University of Colorado Anschutz Medical Campus (WAP/WSCI Travel Award Winner)*

Abstract 512

**11:45 A CURIOUS CASE OF MASTOCYTOSIS.**

*R Rahimi, VE Espinoza, H Truong, E Hashem, N Mangat and I Garcia-Pacheco, Bakersfield, CA. Kern Medical*

Abstract 513

**Neonatology General VI**

Carpenter Hall

*Kathleen Hannan and Henry Lee, Presiding*

**10:15 EFFECT OF DIFFERENT LOCATION OF DOPPLER SAMPLING GATE AT THE VENTRICULAR OUTFLOW TRACT ON THE VELOCITY TIME INTEGRAL WHEN MEASURING CARDIAC OUTPUT IN NEONATES.**

*J Huang, M Ebrahimi, M Durand, S Noori, R Ramanathan, R Cayabyab and MA Adie, Los Angeles, CA. LAC+USC Medical Center Keck School of Medicine of University of Southern California*

Abstract 514

**10:30 LOW-FIDELITY NEONATAL RESUSCITATION PROGRAM SIMULATION AS PART OF THE ACADEMIC CURRICULUM YIELDS IMPROVED RETENTION OF SKILLS IN PEDIATRIC TRAINEES.**

*J Yom, K Kasbati and M Khan, Los Angeles, CA; Brooklyn, NY. LAC+USC Medical Center, Keck School of Medicine of University of Southern California Maimonides Medical Center*

Abstract 515

**10:45 RATES OF LUMBAR PUNCTURE SUCCESS WITH AND WITHOUT POINT OF CARE ULTRASOUND IN THE NEONATAL INTENSIVE CARE UNIT.**

*H Gu, R Dasani, L Bain, A Rao and S Bhombal, Palo Alto, CA; Atlanta, GA. Stanford University (WSPR)*

Abstract 516

**11:00 EFFECTS OF DELIVERY ROOM INTERVENTIONS ON NEONATAL OUTCOMES IN VERY LOW BIRTH WEIGHT INFANTS.**

*K Ramm, C Marquez, A Hisey, Y Shao, NS Nanduri, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. LAC+USC Medical Center*

Abstract 517

**11:15 CHARACTERIZING CEREBRAL BLOOD FLOW AND ITS ALTERATIONS FROM PACKED RED BLOOD CELL TRANSFUSION DURING THE FIRST WEEK OF LIFE IN PREMATURE INFANTS.**

*M Tatarbe, M Biniwale, D Nagesh, R Ramanathan and T Wu, Los Angeles, CA. University of Southern California*

Abstract 518

**11:30 CAN PLACENTAL ABRUPTION CAUSE NEONATAL ANEMIA?.**

*SM Tweddell, TM Bahr, ER Henry, J Page, SJ Ilstrup, RK Ohls and RD Christensen, Salt Lake City, UT. University of Utah*

Abstract 519

**11:45 A QUALITATIVE INVESTIGATION OF CAREGIVER COMMUNICATION PREFERENCES AND DISPARITIES BY PRIMARY LANGUAGE IN A LEVEL IV NEONATAL INTENSIVE CARE UNIT.**

*C Ramo, SL Bourque, MA Palau, M Nino de Guzman Ramirez, R Guigli, M Mascorro and S Hwang, Denver, CO. University of Colorado (WSPR)*

Abstract 520

**Neonatology Pulmonary III**

Conductor's Room (Sunset Center)

*Sandra L. Leibel and Erica Mandell, Presiding*

**10:15 OBSERVED-TO-EXPECTED MRI FETAL LUNG VOLUME AS A PREDICTOR OF OUTCOMES IN SEVERE DIAPHRAGMATIC HERNIA.**

*T Ellsworth, B Yoder and M Yang, Salt Lake City, UT. University of Utah*

Abstract 521

**10:30 DEXAMETHASONE USE IN PRETERM INFANTS ON NON-INVASIVE POSITIVE-PRESSURE VENTILATION.**

*S Kim, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine of University of Southern California*

Abstract 522

**10:45 FACTORS DETERMINING SUCCESS VS FAILURE OF NONINVASIVE POSITIVE PRESSURE VENTILATION IN THE DELIVERY ROOM IN INFANTS WEIGHING MORE THAN 1500 GM BIRTH WEIGHT.**

*T Kurup, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. LAC-USC Medical Center*

Abstract 523

**11:00 USE OF NONINVASIVE BIOMARKER SATURATION TO FIO<sub>2</sub> RATIO TO STUDY PULMONARY EFFECTS OF PATENT DUCTUS ARTERIOSUS IN THE DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**

*R Kibe, M Chu, R Cayabyab, M Biniwale and R Ramanathan, Los Angeles, CA.*

**11:15 A QUALITY IMPROVEMENT INITIATIVE IMPLEMENTING LESS INVASIVE SURFACTANT ADMINISTRATION.**

*S Newman-Lindsay, A Cera, J Vaughn, C Sollinger and K Kuhn-Riordon, Sacramento, CA. UC Davis*

Abstract 525

**11:30 INCIDENCE, RISK FACTORS, AND ANTIBIOTIC USE IN VENTILATOR ASSOCIATED PNEUMONIA IN VERY LOW BIRTH WEIGHT INFANTS—EXPERIENCE AT A SINGLE LEVEL III NEONATAL INTENSIVE CARE UNIT.**

*J Huang, M Cielo, L Barton, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center Keck School of Medicine of University of Southern California*

Abstract 526

**11:45 EVALUATION OF PRESSURE DELIVERY BY HEATED, HUMIDIFIED, HIGH FLOW NASAL CANNULA IN AN ARTIFICIAL NEONATAL AIRWAY MODEL.**

*AF Miner, LJ Miner, S Cheney and B Yoder, New Brunswick, NJ; Salt Lake City, UT. Rutgers Robert Wood Johnson Medical School*

Abstract 527

**Neuroscience III**

Studio 105 (Sunset Center)

*Frances Chow, Presiding*

**10:15 INTRAPERITONEAL INSULIN-LIKE GROWTH FACTOR-1 IS NEUROPROTECTIVE AND IMPROVES COGNITIVE-BEHAVIORAL OUTCOMES AFTER TRAUMATIC BRAIN INJURY.**

*A Pereverzev, B Heckel, L Venkatasamy, J Hoar, J Iannucci and L Shapiro, College Station, TX. Texas A&M University School of Medicine*

Abstract 528

**10:30 BETTER VISUAOSPATIAL MEMORY OUTCOMES FOLLOWING LASER ABLATION COMPARED TO ANTERIOR TEMPORAL LOBECTOMY.**

*K Hulse, B Grannan, J Kang, M Kim, J Tsai, S Hakimian, J Hauptman, J Ojemann and A Ko, Seattle, WA. University of Washington*

Abstract 529

**10:45 NOVEL MODEL OF GLOBAL CEREBRAL ISCHEMIA INDUCED BY CARDIAC ARREST REVEALS HIPPOCAMPAL DYSFUNCTION.**

*E Tiemeier, A Dingman, S Kathiresh, N Quilinan and RM Dietz, Aurora, CO. University of Colorado Anschutz Medical Campus (WAP/WSCI Travel Award Winner)*

Abstract 530

**11:00 EXOSOME-EXPOSED ARF-8 CHORDOMA AND OSTEOLAST CELL LINES EXPERIENCE CHANGES IN PROTEINS AFFECTING SIGNALING**

**METABOLISM, CELL MOVEMENT, AND COMMUNICATION.**

*KN Nguyen and MW Graner, Aurora, CO. University of Colorado (WSMRF)*

Abstract 531

**11:15 INVESTIGATION OF VISUOSPATIAL PLAQUE DIMENSIONS IN MULTIPLE SCLEROSIS AS MEASURED BY CONVENTIONAL T2 WEIGHTED MAGNETIC RESONANCE IMAGING VERSUS ADVANCED MAGNETIC RESONANCE IMAGING TECHNIQUES.**

*A Ramprasad, F Qureshi and R Khan, Kansas City, MO; Fort Wayne, IN. University of Missouri-Kansas City School of Medicine*

Abstract 532

**11:30 ASSESSING MEDICAL AND PHYSICAL THERAPY STUDENTS' COMPETENCIES IN CONCUSSION MANAGEMENT PROTOCOL.**

*E Lupori, F Iqbal, D Wang, EA Tangog, W Cheung, L McKay, T Alsky and D Baron, Pomona, CA; Tucson, AZ; Irvine, CA; Lebanon, OR. Western University of Health Science - COMPNW (WSMRF)*

Abstract 533

**11:45 IMPACT OF CLINICAL ROTATIONS/SHADOWING ON CONCUSSION KNOWLEDGE AMONG MD/PT STUDENTS IN THE US.**

*F Iqbal, E Lupori, D Wang, W Cheung, EA Tangog, L McKay, T Alsky and D Baron, Lebanon, OR; Tucson, AZ; Irvine, CA; Pomona, CA. Western University of Health Sciences Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 534



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