# 2020 Western Medical Research Conference (WMRC)

## Program at-a-Glance

Carmel, California

January 23-25, 2020

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
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<tbody>
<tr>
<td><strong>THURSDAY, JANUARY 23, 2020</strong></td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Registration</td>
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<td>Sunset Center – Entry Lobby</td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
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<td>Sunset Center</td>
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<tr>
<td>9:30 am – 11:15 am</td>
<td>WAP/WSCI Plenary</td>
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<td>Edwin E. Osgood Awardee</td>
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<td>Jonathan Pham, Loma Linda University</td>
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<td>WSCI Outstanding Investigator Award</td>
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<td></td>
<td>Translational Approaches to Acinetobacter Informed by Pathogenesis</td>
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<td></td>
<td>Brad Spellberg, MD</td>
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<td>LAC+USC Medical Center</td>
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<tr>
<td>9:30 am – 12:00 pm</td>
<td>WAP/WSCI Distinguished Lectureship</td>
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<td>Regenerating the Heart with Human Stem Cell-Derived Cardiomyocytes</td>
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<td>Charles Murry, MD, PhD</td>
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<td>University of Washington</td>
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<td>Carmel Women’s Club</td>
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<tr>
<td>9:30 am – 12:00 pm</td>
<td>WSPR Council Meeting</td>
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<td>Sunset Center – Chapman</td>
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<tr>
<td>11:15 am – 11:30 am</td>
<td>WAP/WSCI Business Meeting</td>
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<td>Carmel Women’s Club</td>
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<tr>
<td>11:15 am – 12:15 pm</td>
<td>Investigator Workshops</td>
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<td>(Fellows and Jr. Faculty – Additional charge for lunch, $10</td>
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<td>How to publish your work: Tips from a Journal Editor</td>
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<td></td>
<td>Richard McCallum</td>
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<td>Editor, Journal of Investigative Medicine</td>
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<td>Patrick S. Romano</td>
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<td>Co-Editor in Chief, Health Services Research, Official Journal of Academy Health</td>
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<td>Sunset Center – Green Room</td>
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<td>Time</td>
<td>Concurrent Sessions</td>
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<tr>
<td>12:45 pm – 3:00 pm</td>
<td><em>Sunset Center</em></td>
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<td>Adolescent Medicine and General Pediatrics I – <em>Carpenter Hall</em></td>
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<td>Cardiovascular I – <em>Promenade Lobby</em></td>
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<td>Endocrinology and Metabolism I – <em>Carmel Women’s Club</em></td>
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<td>Healthcare Delivery Research I – <em>Babcock #6</em></td>
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<td>Immunology and Rheumatology I – <em>Chapman #4</em></td>
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<td>Infectious Diseases I – <em>Conductor’s Room</em></td>
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<td></td>
<td>Neonatology – General I – <em>Studio 105</em></td>
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<td>Neonatology – Pulmonary I – <em>Rehearsal Room</em></td>
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<td>Surgery I – <em>Green Room</em></td>
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<td>3:00 pm – 3:15 pm</td>
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<td>3:15 pm – 5:45 pm</td>
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<td>Cardiovascular II – <em>Promenade Lobby</em></td>
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<td>Global Health I – <em>Conductor’s Room</em></td>
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<td>Global Health II – <em>Carpenter Hall</em></td>
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<td>Hematology and Oncology I – <em>Green Room</em></td>
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<td>Neonatology – General II – <em>Babcock #6</em></td>
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<td>Neonatology – Pulmonary II – <em>Rehearsal Room</em></td>
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<td>Neuroscience I – <em>Chapman #4</em></td>
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<td>Pulmonary and Critical Care I – <em>Studio 105</em></td>
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<td>Surgery II – <em>Carmel Women’s Club</em></td>
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<tr>
<td>6:00 pm – 7:30 pm</td>
<td>Welcome Reception and Poster Session</td>
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<td><em>Jointly sponsored by</em></td>
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<td>WAFMR, WAP, WSCI, WSMRF, and WSPR</td>
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<td><em>All welcome and encouraged to attend</em></td>
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<td><em>(Shuttle provided from Sunset Center)</em></td>
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<td></td>
<td><em>Carmel Mission Inn – Carmelo Ballroom</em></td>
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<td></td>
<td>3665 Rio Road, Carmel, CA 93923</td>
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<tr>
<td>7:30 pm – 9:00 pm</td>
<td>WSPR Abbott Nutrition Reception</td>
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<td>Open to all WSPR members, trainees, and guests</td>
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<td><em>Il Fornaio, Pine Inn Hotel</em></td>
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<tr>
<td>7:30 pm – 9:00 pm</td>
<td>WAFMR Business Meeting</td>
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<td><em>(by invitation only)</em></td>
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<td><em>Forge in the Forest</em></td>
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**FRIDAY, JANUARY 24, 2020**

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<tr>
<th>Time</th>
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<tr>
<td>7:30 am – 5:00 pm</td>
<td><em>Sunset Center – Entry Lobby</em></td>
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<td>Speaker Ready Room</td>
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<td>8:00 am – 10:00 am</td>
<td><em>Sunset Center</em></td>
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<td>Adolescent Medicine and General Pediatrics II – <em>Studio 105</em></td>
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<td>Cardiovascular III – <em>Promenade Lobby</em></td>
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<td>Case Reports I – <em>Carpenter Hall</em></td>
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<td>Endocrinology and Metabolism II – <em>Carmel Women’s Club</em></td>
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<tr>
<td>10:00 am – 10:15 am</td>
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<td>10:15 am – 12:30 pm</td>
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<td></td>
<td>Behavior and Development I – <em>Chapman #4</em></td>
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<td>Community Health – <em>Promenade Lobby</em></td>
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<td>Healthcare Delivery Research II – <em>Babcock #6</em></td>
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<td>Hematology and Oncology II – <em>Carpenter Hall</em></td>
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<td>Infectious Diseases II – <em>Carmen Women’s Club</em></td>
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<td>Morphogenesis and Malformations – <em>Rehearsal Room</em></td>
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<td>Neonatolgy – General IV – <em>All Saints Church, Seccombe Hall</em></td>
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<td>Nephrology and Hypertension – <em>Green Room</em></td>
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<td>Neuroscience II – <em>Studio 105</em></td>
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<td>Surgery IV – <em>Conductor’s Room</em></td>
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<tr>
<td>12:00 pm – 1:30 pm</td>
<td>Lunch available on-site for nominal charge</td>
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<td>Food Truck in Sunset Center Parking Lot</td>
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<td>12:30 pm – 1:30 pm</td>
<td>Investigator Workshop</td>
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<td>*(This talk is aimed at Jr. faculty and fellows, but students and</td>
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<td>trainees also welcome to attend)* – Lunch served for $10</td>
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<td>Developing peer mentorship networks to enhance work and life success</td>
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<td></td>
<td><em>Melanie Cree-Green</em></td>
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<td>*University of Colorado Anschutz and Children’s Hospital Sunset</td>
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<td><em>Center – Green Room</em></td>
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<td>1:00 pm – 1:30 pm</td>
<td>Coffee and Dessert Buffet</td>
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<td><em>Carmen Women’s Club</em></td>
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<td>1:30 pm – 3:45 pm</td>
<td>Joint Plenary Session</td>
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<td>Mayo Soley Award Presentation</td>
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<td>WAFMR Outstanding Investigator Award</td>
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<td>WSPR Abbott Nutrition Lowell Glasgow Student Research Award</td>
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<td>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award</td>
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<td>WSPR Abbott Nutrition Young Investigator Research Award</td>
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<td>WSPR Stanley Wright Lecture</td>
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<td><em>Carmen Women’s Club</em></td>
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<td>3:45 pm – 4:15 pm</td>
<td>WSPR Business Meeting</td>
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<td><em>Carmen Women’s Club</em></td>
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<tr>
<td>5:15 pm – 6:15 pm</td>
<td>David Rimoin Lectureship</td>
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<td>Rare Diseases and the Genesis of the Undiagnosed Diseases Network</td>
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| 5:30 pm – 7:30 pm | WAP/WSCI Council Meeting  
(by invitation only)  
Cantinetta Luca - Wine Room  
Dolores St. and Ocean Ave. |
| 6:00 pm – 7:00 pm | WSPR Mead Johnson Nutrition Junior Faculty Travel Award Reception &  
Western Perinatal Club Reception  
Open to all WSPR, AAP, and CAN Members and Guests  
Il Fornaio, Pine Inn Hotel |
| 6:15 pm – 7:15 pm | Dysmorphology Club  
Supported by Abbott Nutrition  
Sunset Center – Carpenter Hall |
| 7:00 pm – 8:00 pm | Western Perinatal Club Briefing  
Sponsored by the Perinatal Sections of AAP Districts VIII and IX,  
the CAN, and Mead Johnson Nutrition  
What's New in Neonatal Hematology?  
Robert Christensen, University of Utah  
Il Fornaio, Pine Inn Hotel |
| SATURDAY, JANUARY 25, 2020 |                                                                      |
| 7:30 am – 12:00 pm | Speaker Ready Room  
Sunset Center |
| 7:30 am – 10:00 am | Registration  
Sunset Center – Entry Lobby |
| 8:00 am – 10:00 am | Concurrent Sessions  
Sunset Center  
Behavior and Development II – Chapman #4  
Clinical Epidemiology and Health Disparities – Babcock #6  
Endocrinology and Metabolism III – Green Room  
Genetics II – Rehearsal Room  
Global Health III – Conductor’s Room  
Neonatology – General V – Carpenter Hall  
Neonatology – Perinatal Biology II – Studio 105  
Pulmonary and Critical Care II – Promenade Lobby |
| 10:00 am – 10:15 am | Break |
| 10:15 am – 12:00 pm | Concurrent Sessions  
Sunset Center  
Case Reports II – Promenade Lobby  
Healthcare Delivery Research III – Babcock #6  
Hematology and Oncology III – Green Room  
Immunology and Rheumatology II – Conductor’s Room  
Neonatology – General VI – Carpenter Hall  
Neonatology – Pulmonary III – Rehearsal Room  
Neuroscience III – Studio 105 |
| 12:15 pm – 2:00 pm | Society Officers Planning Meeting  
(by invitation only)  
Sunset Center – Chapman #4 |
PLENARY
WESTERN ASSOCIATION OF PHYSICIANS
WESTERN SOCIETY FOR CLINICAL INVESTIGATION

Thursday, January 23, 2020
9:30 AM – 11:15 AM
Carmel Women’s Club

W. Conrad Liles and Fred Buckner, Presiding

9:30  EDWIN E. OSGOOD AWARDEE
PREDICTIVE VALUE OF CT FOR ENDOSCOPICALLY REFRACTORY UNCONTROLLED VARICEAL BLEEDING IN CIRRHOTIC PATIENTS REQUIRING PORTAL VENOUS INTERVENTION.
J Pham, J Kalantari, C Ji, J Chang, SC Kiang, UE Oyoyo, D Jin and RT Tomihama, Loma Linda, CA. Loma Linda University (WSMRF)

9:45  WSCI OUTSTANDING INVESTIGATOR AWARDEE
TRANSLATIONAL APPROACHES TO ACINETOBACTER INFORMED BY PATHOGENESIS.
Brad Spellberg, LAC+USC Medical Center

10:15  WAP/WSCI DISTINGUISHED LECTURESHP
REGENERATING THE HEART WITH HUMAN STEM CELL-DERIVED CARDIOMYOCYTES.
Charles Murry, University of Washington

11:15  ADJOURN

11:30  WAP/WSCI BUSINESS MEETING

11:15 am-12:15pm
Investigator Workshops
(Fellows and Jr. Faculty – Additional charge for lunch, $10
How to publish your work: Tips from a Journal Editor
Richard McCallum
Editor, Journal of Investigative Medicine
Patrick S. Romano
Co-Editor in Chief, Health Services Research, official journal of Academy Health
Sunset Center – Green Room

12:45 pm–3:00 pm
Concurrent Sessions
Sunset Center
Adolescent Medicine and General Pediatrics I – Carpenter Hall
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
CONCURRENT SESSIONS

Thursday, January 23, 2020
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 …..................................Carpenter Hall
Cardiovascular I..................................................................................Promenade Lobby
Endocrinology and Metabolism I.................................................................Carmel Women’s Club
Health Care 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

Adolescent Medicine and General Pediatrics I
Carpenter Hall
Walter Dehority and Mary M. Ramos, Presiding

12:45 RACIAL/ETHNIC DIFFERENCES IN PRENATAL AND POSTNATAL
COUNSELING ABOUT MATERNAL AND INFANT HEALTH PROMOTING
PRACTICES AMONG ADOLESCENT MOTHERS.
P Shah, S Tong, S Hwang and SL Bourque, Aurora, CO. University of Colorado (WSPR Outstanding Resident Research Award)

Abstract 2

1:00 EVALUATING THE PREDICTIVE VALIDITY OF THE MYHEARTSMAP
PSYCHOSOCIAL SELF-ASSESSMENT TOOL IN YOUTH PRESENTING TO
THE EMERGENCY DEPARTMENT WITH MENTAL HEALTH CONCERNS.
B Li and Q Doan, Vancouver, Canada. University of British Columbia (WSPR Abbott Nutrition Subspecialty Award)

Abstract 3

1:15 TREATING STREPTOCOCCAL PHARYNGITIS WITH PENICILLIN VERSUS
BROAD SPECTRUM ANTI-BIOTICS.
T Sumibcay, L Yamamoto and J Lee-Jayaram, Honolulu, HI. Kapi‘olani Medical Center for Women & Children Hawai‘i Pacific Health

Abstract 4
1:30 INTEGRATING TECHNOLOGY INTO PATIENT EDUCATION TO EMPOWER PEDIATRIC ENDOCRINOLOGY PATIENTS TO IMPROVE THEIR HEALTH THROUGH A PATIENT-CENTERED CARE APPROACH.
K Piri, V Wang and R Kinman, Fresno, CA. UCSF Fresno (WSPR Mead Johnson Travel Award Winner)

1:45 THE EFFECTIVENESS OF AN ADOLESCENT REPRODUCTIVE HEALTH SYMPOSIUM ON INTERPROFESSIONAL PERCEPTIONS OF PROVIDING COMPREHENSIVE CARE FOR ADOLESCENTS IN CALIFORNIA’S CENTRAL VALLEY.
C Vargas, RR Filbrandt, K Zografos, L Khang and J Limon, Madera, CA; Fresno, CA. Valley Children's Hospital

2:00 LONGITUDINAL EVALUATION OF PEDIATRIC RESIDENCY DIDACTICS TRANSITION FROM NOON CONFERENCE TO AN ACADEMIC HALF DAY.
K Montano, R Craig, L Lopez, A Greene, A Belmonte, A Staples, CP Chow, W Dehority, C Zeorlin, T Ford and Y Zhu, Albuquerque, NM. University of New Mexico

2:15 PEDIATRIC COMMUNICATION: BIG WORDS AREN’T FOR LITTLE PATIENTS.
S Leung, ME Brown, S Jackson and P McBurney, San Diego, CA; Boston, MA; Charleston, SC. University of California, San Diego (Mead Johnson Nutrition Junior Faculty Award)

2:30 IMPROVING SUPPORT OF BREASTFEEDING AT A BABY-FRIENDLY™ DESIGNATED LARGE URBAN HOSPITAL IN ALBUQUERQUE, NEW MEXICO.
T Hatfield, P Mendoza, C Zeorlin, J Martinez, C Peceny, MM Ramos and E Sebesta, Albuquerque, NM. University of New Mexico

2:45 BUCKLE FRACTURE TREATMENT WITH REMOVABLE WRIST ORTHOSIS ACHIEVING CLINICAL EXCELLENCE.
C Wang, D Kephart, HB Leshikar and J Magana, Sacramento, CA. UC Davis

Break – 3:00-3:15 pm
12:45 ELECTRONIC CIGARETTES TOGETHER WITH A HIGH FAT DIET INDUCES CARDIAC DYSFUNCTION AND CARDIAC STRUCTURAL CHANGES.
MM Razipour, M Parveen, J Espinoza-Derout, F Bautista, X Shao, MC Jordan, K Roos, S Mahata, A Sinha-Hikim, T Friedman and K Hasan, Los Angeles, CA; La Jolla, CA. Charles R Drew University of Medicine and Science
Abstract 11

1:00 T-CELL DEFICIENT MICE DEMONSTRATE REDUCED ATHEROSCLEROTIC PLAQUE BURDEN.
AJ Shepherd, MG Yussman and DH Wagner, Aurora, CO. University of Colorado School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)
Abstract 12

1:15 WARFARIN ANTICOAGULATION FOLLOWING PEDIATRIC HEART SURGERY: COMPARING HOME VERSUS TRADITIONAL LAB MONITORING.
ALigsay, D Griffin, J Frazer and S Sah, San Diego, CA; Los Angeles, CA; Santa Barbara, CA. University of California San Diego (WAP/WSCI Travel Award Winner) (WSMRF)
Abstract 13

1:30 ACTIVE SMOKING IS ASSOCIATED WITH DECREASED RATES OF WOUND HEALING AFTER ENDOVASCULAR TREATMENT OF CRITICAL LIMB ISCHEMIA.
ASarkar, T Jordan, M Haider and D Kokkinidis, Sacramento, CA. University of California, Davis (WSMRF)
Abstract 14

1:45 HOSPITAL REPORTING OF CRITICAL CONGENITAL HEART DISEASE SCREENING.
HSiefkes, M Jocson, S Lakshminrusimha and J Schulman, Sacramento, CA. University of California, Davis
Abstract 15

2:00 AGE-SPECIFIC CARDIAC REMODELING OUTCOMES INDUCED BY ISOPROTERENOL.
JZumo, RF Cook, BD McNair, J Schlatter, EE Schmitt, KC Woulfe and DR Bruns, Seattle, WA; Laramie, WY; Aurora, CO. University of Washington
Abstract 16

2:15 VARIABILITY OF END-TIDAL CARBON DIXOIDE IN OUT-OF-HOSPITAL CARDIAC ARREST.
BGrabman, NE Bulger, BM Harrington, RG Walker, AJ Latimer, M Sayre, C Maynard, NJ Johnson and CR Counts, Seattle, WA; Redmond, WA. University of Washington School of Medicine (WSMRF)
Abstract 17
2:30  KENCOR REMOTE MONITORING SYSTEM OPTIMIZES BLOOD PRESSURE CONTROL AND IMPROVES SERUM CREATININE LEVELS IN HYPERTENSIVE PATIENTS.
K Dhond, Y Gill, M Villalon, S Lahsaei, MJ Dhond, C Mancherje, J Breneisen and M Dhond, Santa Cruz, CA; Fairfield, CA; Davis, CA. Northbay Healthcare UC Santa Cruz

Abstract 18

2:45  NSTEMI AND HFREF DUE TO METHAMPHETAMINE.
JA Coleman and D Aguirre, Bakersfield, CA. Kern Medical

Abstract 19

Break – 3:00-3:15 pm

Endocrinology and Metabolism I
Carmel Women's Club
Shanlee Davis and Christina Wang, Presiding

12:45  UNMASKING OF PNEUMOCYSTIS JIROVECI PNEUMONIA TRIGGERED BY TREATMENT OF CUSHING’S SYNDROME.
SC Fernandes, C Schmid, AM Mansoor and E Varlamov, Portland, OR. Oregon Health and Sciences University

Abstract 20

1:00  EVALUATION OF THE IMMUNE SYSTEM IN PEDIATRIC CUSHING DISEASE.
M Rescigno, C Tatsi, C Lyssikatos, E Belyavskaya, M Keil, G Papadakis and C Stratakis, Reno, NV; Bethesda, MD. University of Nevada, Reno School of Medicine National Institute of Health

Abstract 21

1:15  TESTOSTERONE AND CORTISOL MODULATE THE METABOLIC EFFECTS OF SLEEP RESTRICTION.
PY Liu, D Sidebottom and H Van Dongen, Torrance, CA; Spokane, WA. Harbor-UCLA Medical Center and LABioMed

Abstract 22

1:30  CHANGES IN METABOLIC PARAMETERS AFTER ADMINISTRATION OF NOVEL ORAL ANDROGENS WITH PROGESTATIONAL ACTIVITY FOR 28 DAYS.
F Yuen, A Thirumalai, R Swerdloff, PY Liu, Y Pak, L Hull, S Page and C Wang, Seattle, WA; Torrance, CA. Los Angeles Biomedical Research Institute (WAP/WSCI Travel Award Winner)

Abstract 23

1:45  State-of-the-Art Lecture
MALE HORMONAL CONTRACEPTION: MOVING FORWARDS.
Christina Wang, Clinical and Translational Science Institute, Lundquist Institute
2:15  A CASE OF PHEOCHROMOCYTOMA PRESENTING AS RIGHT BASAL GANGLIA INFARCT. 
R Hall, H Saab, L Moosavi, RD Polineni and E Cobos, Bakersfield, CA; Bridgetown, Barbados. Kern Medical-UCLA

2:30  INTRAUTERINE GROWTH RESTRICTION AND SUPPLEMENTAL DHA ALTER RAT HEPATIC HISTONE METHYLATION. 
R Kaddu, S Kasera, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)

2:45  LOW K IS NOT OKAY. 
M Cai, R Hashemzadeh-Gargari and R Vohra, Fresno, CA. UCSF Fresno

Healthcare Delivery Research I
Babcock #6 (Sunset Center)
Maralyssa Bann, Presiding

12:45 LIGHTS, CAMERA, SURGERY: VIDEO RESOURCES ENHANCING HEALTHCARE COMMUNICATION. 
K Nguyen, C Binda, P Mangat, D Duffy and K Mulpuri, Vancouver, BC, Canada. University of British Columbia

1:00 IMPACT ASSESSMENT OF THE TRANSITION OF A CO-MANAGEMENT PERIOPERATIVE HOSPITALISTS MODEL TO A CONSULTATION MODEL TOWARDS PATIENT OUTCOME MARKERS. 
J Shen, L Gad, D Ramsingh, D Nurkse, B Austin and G Stier, Loma Linda, CA. Loma Linda University (WSMRF)

1:15 BENEFITS OF A COMMUNITY HOSPITAL - ACADEMIC UNIVERSITY PEDIATRIC PARTNERSHIP. 
M Hamline, K Forman, K Tran-Viet, B McCollough, L Donati, H McKnight, S Lakshminrusimha and DA Lubarsky, Sacramento, CA; Lodi, CA. University of California Davis Health (WSPR)

1:30 FREQUENT FLYERS: STELLAR STRATEGIES FOR EMERGENCY DEPARTMENT SUPERUTILIZERS. 
LC Epperson and S Shipman, Oklahoma City, OK. Integris Southwest Medical Center (WAP/WSCT Travel Award Winner)
1:45 PATIENT AND PROVIDER PERSPECTIVES ON ACCESS TO MEDICAL NUTRITION THERAPY FOR PATIENTS WITH NON-DIALYSIS DEPENDENT (NDD) CHRONIC KIDNEY DISEASE (CKD).

JM Maloney, K Kelley, H Kramer, D Brommage, M Schofield and E Jimenez, Albuquerque, NM; Chicago, IL. University of New Mexico School of Medicine

Abstract 31

2:00 IPACK BLOCK ASSOCIATED WITH SIMILAR LENGTH OF STAY AND OPIOID CONSUMPTION IN TOTAL KNEE ARTHROPLASTY.

RC Jensen, Seattle, WA; Spokane, WA. University of Washington School of Medicine Providence Sacred Heart Medical Center (WSMRF)

Abstract 32

2:15 IMPROVING MEDICAL STUDENT DOCUMENTATION: CAN THE RED CHECKLIST ASSIST WITH TEACHING DOCUMENTATION?

J Evans, M Kim, N Chan, C Daum and A Hayton, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 33

2:30 DEVELOPMENT AND EVALUATION OF A FREE ONLINE POINT OF CARE ULTRASOUND TRAINING CURRICULUM.

M Buell, K Cook, B Lew, P Vu, J Hinson, M Martinez, M Alschuler, M Holsclaw and D Ramsingh, Loma Linda, CA; Pomona, CA; Kansas City, MO. Loma Linda University School of Medicine

Abstract 34

2:45 WHAT MATTERS MOST: AN INTERVENTION FOR LEARNERS.

SD Andersen, H Lokos and A Hayton, Loma Linda, CA. Loma Linda University

Abstract 35

Break – 3:00-3:15 pm

Immunology and Rheumatology I
Chapman #4 (Sunset Center)
Kevin Deane, Presiding

12:45 SECUKINUMAB AND INCIDENT INFLAMMATORY BOWEL DISEASE IN ANKYLOSING SPONDYLITIS.

PD Nilsson, H Sawhney, M Castillo and L Gensler, Reno, NV; San Francisco, CA. University of Nevada, Reno School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award Winner) (WSMRF)

Abstract 36

1:00 SECONDARY EFFICACY FAILURE IS THE PREDOMINANT ETIOLOGY FOR DISCONTINUATION OF TUMOR NECROSIS FACTOR INHIBITOR IN PSORIASIS/PSORIATIC ARTHRITIS.

S Wolfe, E Cheng, K Brees and L Caplan, Aurora, CO. Rocky Mountain Regional VA Medical Center University of Colorado School of Medicine

Abstract 37
1:15  CORRELATION BETWEEN CLINICAL AND IN VITRO RESPONSE TO METHOTREXATE IN RHEUMATOID ARTHRITIS.  
M Yu, N Goel, D Siringoringo, W Langridge and KD Torralba, Loma Linda, CA. Loma Linda University (WSMRF) 

Abstract 38

1:30  HAIR REPIGMENTATION AFTER RITUXIMAB USE IN A PATIENT WITH SYSTEMIC SCLEROSIS.  
AN Kiani, K Reiter, D Cisneros and K Konstantinov, Albuquerque, NM. UNM Hospital (WAP/WSCI Travel Award Winner) 

Abstract 40

1:45  IDENTIFICATION OF UNIQUE MOLECULAR MARKERS OF DIABETOGENIC T-CELLS.  
D Woodruff, Salt Lake City, UT. University of Utah 

Abstract 41

2:00  AN UNUSUAL CASE OF SYSTEMIC LUPUS ERYTHEMATOSUS INDUCED PERICARDITIS IN A YOUNG HISPANIC MALE.  
L Moosavi, J Bowen, M Afridi, C Donath, F Joolhar and T Win, Bakersfield, CA. Kern Medical Center 

Abstract 42

2:15  State-of-the-Art Lecture  
FINDING PASSION IN RESEARCH - FROM PATIENT TO PURPOSE.  
Lianne Gensler, University of California San Francisco 

Break – 3:00-3:15 pm

Infectious Diseases I  
Conductor's Room  
Fred Buckner and David Gilbert, Presiding

12:45  EFFECT OF EXTRACORPOREAL SHOCKWAVE ON RHIZOPUS ORYZAE BIOFILM.  
KH Anderson, P Slezak, K Olga and T Hillock, Salt Lake City, UT; Vienna, Austria; Orem, UT. University of Utah 

Abstract 43

1:00  CONGENITAL SYPHILIS: A QUALITATIVE RETROSPECTIVE LONGITUDINAL STUDY ON CHARACTERISTICS OF MOTHERS AND NEWBORNS IN A TERTIARY CARE HOSPITAL.  
R Kaushal, H Chow, R Jain, C Nelson and C Rongkavilit, Fresno, CA. UCSF Fresno (WSPR) 

Abstract 44

1:15  COMPARISON OF PROCALCITONIN AND C-REACTIVE PROTEIN (CRP) IN NEONATAL BACTERIAL SEPSIS.  
A Bilg, M Choi, S Tewari, B Chan, S Anis, J Luu and B Afghani, Irvine, CA; Orange, CA; Riverside, CA. UC Riverside School of Medicine, UC Irvine School of Medicine 

Abstract 45
1:30 CHARACTERIZATION OF HIV QUASISPECIES VIA PARTICLE-TEMPLATED EMULSIFICATION.
WY Shin and M Hatori, San Francisco, CA. University of California San Francisco

1:45 INTERFERON BETA INCREASED SIGLEC-1 EXPRESSION ON HUMAN GUT MACROPHAGES.
SM Lada, CM Purba, SM Dillon, ML Santiago and CC Wilson, Aurora, CO. University of Colorado Anschutz Medical Campus

2:00 IMPLEMENTING A PEDIATRIC ANTIBIOTIC STEWARDSHIP PROGRAM IN A MULTIDISCIPLINARY PRIMARY CARE CLINIC.
CH Kim, S Goggin, E Fernandez y Garcia, N Nakra and U Shaikh, Sacramento, CA. UC Davis Health (WAP/WSCI Travel Award Winner)

2:15 MACROPHAGE SUPPRESSION DURING THE ACUTE PHASE OF CONGENITAL CYTOMEGALOVIRUS INFECTION DOES NOT CHANGE HEARING OUTCOMES IN A MOUSE MODEL.
C Nielson, K Shi, M Firpo and A Park, Salt Lake City, UT. University of Utah

2:30 TYROSINE KINASE INHIBITION TO REDUCE THE HIV-1 RESERVOIR.
M Szaniawski and A Spivak, Salt Lake City, UT. University of Utah (WAFMR/WAP/WSCI Student Subspecialty Award)

2:45 PATHOGEN AND ANTIMICROBIAL RESISTANCE SURVEILLANCE IN UGANDAN HIV POSITIVE ADULTS WITH PNEUMONIA.
JD Bloomstein, S Caldera, L Huang, W Worodria, P Byanyima, E Musisi, S Kaswabuli, J. Zawedde, J Moore, S Lynch, M Shenoy, and C Langelier, Sacramento, CA; San Francisco, CA; Kampala, Uganda. University of California, Davis

Break – 3:00-3:15 pm

Neonatology General I
Studio 105 (Sunset Center)
Robert M. Dietz and Kalpashri Kesavan, Presiding

12:45 EFFECT OF CONTACT PRECAUTIONS ON STAPHYLOCOCCUS AUREUS AND CLINICAL OUTCOMES OF COLONIZED PATIENTS IN THE NEONATAL INTENSIVE CARE UNIT.
S Shahbazi, M Garg, A de St. Maurice and M Sim, Los Angeles, CA. UCLA

1:00 ASSOCIATIONS BETWEEN MATERNAL PRE-PREGNANCY OBESITY AND NEONATAL NEUROBEHAVIOR IN INFANTS BORNE BEFORE 30 WEEKS GESTATION.
N Nosavan, L Smith, J Hofheimer, E McGowan, T O'Shea, S Pastyrnak, C Neal, B Carter,
1:15 LONG-TERM NEURODEVELOPMENTAL OUTCOMES AMONG PRETERM INFANTS EXPOSED TO GESTATIONAL DIABETES MELLITUS.
J Suga, T Lum, D Poeltler and A Katheria, Pomona, CA; San Diego, CA. Western University of Health Sciences Sharp Mary Birch Hospital for Women and Newborns (WSPR Abbott Nutrition Subspecialty Award)

1:30 FATTY ACIDS AND GROWTH AND DEVELOPMENT IN CRITICALLY ILL NEONATES.
A Sivanandam, S Govardhan, N Li and KL Calkins, Los Angeles, CA. UCLA (WSPR Prolacta Bioscience Medical Student Travel Award) (WSMRF)

1:45 ASSOCIATIONS BETWEEN CHRONIC LUNG DISEASE, CRY ACOUSTICS, AND NEONATAL NEUROBEHAVIOR IN INFANTS BORN BEFORE 30 WEEKS GESTATION.
M Martin, L Smith, S Sheinkopf, J Hofheimer, E McGowan, T O'Shea, S Pastynak, C Neal, B Carter, J Helderman, J Check, A Soliman, M Roberts, L Dansereau, S DellaGrotta and B Lester, Providence, RI. The NOVI Research Network

2:00 PROCALCITONIN IN NEONATES UNDERGOING EARLY ONSET SEPSIS WORK UP.
A Zepeda-Tiscareno, MG Dominguez Garcia, FB Wertheimer, A Chambliss, M Cielo, R Ramanathan and M Durand, Los Angeles, CA. LAC + USC Medical Center, Keck School of Medicine, University of Southern California

2:15 EFFECTS OF CLINICAL AND HISTOLOGIC CHORIOAMNIONITIS ON OUTCOMES OF VERY LOW BIRTH WEIGHT PRETERM INFANTS.
S Sakhamuru, A Hisey, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA.
LAC+USC Medical Center

2:30 PRACTICES & ATTITUDES TOWARD COMPASSIONATE EXTUBATION IN THE NEONATAL INTENSIVE CARE UNIT.
KE Goodman, M Fossa, S Dabagh, M Caliboso, S Nair and D Lotstein, LA, CA. LAC+USC Medical Center, Keck School of Medicine of USC Fetal and Neonatal Institute, Children's Hospital Los Angeles, Keck School of Medicine of USC

2:45 EXPERIENCES WITHDRAWING ARTIFICIAL NUTRITION AND HYDRATION: A SURVEY OF REGIONAL CHILDREN'S HOSPITAL NEONATAL INTENSIVE CARE UNITS.
RE Williams, D Locke, KM Sullivan and A Shah, Torrance, CA; Orange, CA;
Break – 3:00-3:15 pm

Neonatology Pulmonary I
Rehearsal Room (Sunset Center)
Cassidy Delaney, Presiding

12:45 POTENTIAL ROLE OF FOX FAMILY TRANSCRIPTION FACTORS IN THE PATHOGENESIS OF BRONCHOPULMONARY DYSPLASIA.
A Rashed, F Gao, S Belluscì, R Ramanathan and P Minoo, Los Angeles, CA. LAC+USC Medical Center and Children’s Hospital Los Angeles (Inaugural Vedang Londhe Memorial Travel Award) (WSMRF)

1:00 ANTENATAL EXOSOME TREATMENT PRESERVES LUNG STRUCTURE AND VASCULAR GROWTH IN AN EXPERIMENTAL MODEL OF BRONCHOPULMONARY DYSPLASIA DUE TO CHORIOAMNIONITIS.
AN Abele, N Wilson, A Abikoye, G Seedorf, A Brooks, S Kourembanas and SH Abman, Aurora, CO; Notre Dame, IN; Cambridge, MA. Pediatric Heart Lung Center, University of Colorado School of Medicine

1:15 INTRANASAL AND INTRAPERITONEAL LIPOPOLYSACCHARIDE ADMINISTRATION ACTIVATES DISTINCT GENE NETWORKS IN LUNG MACROPHAGE SUBSETS.
E Sajti, N Spann, O Zhengyu, L Prince and C Glass, San Diego, CA. University of California San Diego (WSPR Mead Johnson Nutrition Junior Faculty Travel Award) (WSPR)

1:30 Mallinckrodt Neonatology Pulmonary State-of-The-Art Lecture:
INFLUENCE OF SEX AS A BIOLOGICAL VARIABLE IN NEONATAL LUNG INJURY AND REPAIR.
Krithika Lingappan, Baylor University

2:00 ANTENATAL VITAMIN D ATTENUATES LUNG INJURY IN A PREECLAMPSIA MODEL OF BRONCHOPULMONARY DYSPLASIA.
M Cookson, T Gonzalez, G Seedorf, B Smith, SH Abman and E Mandell, Aurora, CO. University of Colorado (WSPR)

2:15 PERINATAL VITAMIN D DEFICIENCY ALTERS EXPRESSION OF ASTHMA-RELATED GENES IN RAT LUNG MESENCHYMAL STROMAL STEM CELLS: A PROTEOMIC ANALYSIS.
A Vaid, A Rehan, R Sakurai, Y Wang, Y Liu and V Rehan, Torrance, CA. Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center
2:30 **VITAMIN D STIMULATES PULMONARY ENDOTHELIAL CELL GROWTH THROUGH ENHANCED PPAR SIGNALING.**  
*T Gonzalez, G Seedorf, J Fleet, SH Abman and E Mandell, Aurora, CO; West Lafayette, IN. University of Colorado Denver*  
Abstract 66

2:45 **DHA SUPPLEMENTATION OF GROWTH RESTRICTED RATS INCREASES AIRWAY HYPERRESPONSIVENESS IN ASSOCIATION WITH DECREASED NUCLEAR FABP4.**  
*N Jessen, B Ringham, B Zhao, A Kharkar, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*  
Abstract 67

*Break – 3:00-3:15 pm*

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

12:45 **CASTILE SOAP, CHLORHEXIDINE AND TRI-ANTIBIOTIC AS A PROPHYLACTIC RINSE TO REDUCE BREAST IMPLANT INFECTIONS IN THE SETTING OF BIOFILMS.**  
*CS Drew, C Lee, L Tobing, S Roddick and S Gupta, Loma Linda, CA. Loma Linda (WSMRF)*  
Abstract 68

1:00 **USE OF FULL-COVERAGE DRESSING WITH CLOSED INCISION NEGATIVE PRESSURE THERAPY FOR BILATERAL MASTECTOMY IN BREAST CANCER PATIENTS.**  
*R M Gold, E O'Rorke, M Pfaffenberger, L Eldenburg and A Gabriel, Spokane, WA; Loma Linda, CA; Vancouver, WA. Elson S. Floyd College of Medicine (WSMRF)*  
Abstract 69

1:15 **ANALYSIS OF DIFFERENTIAL ENIGMA GENE EXPRESSION IN THYROID CANCER VS BENIGN NODULES.**  
*SK Choi, K Roberts, E Frank, D Foulad, S Mirshahidi, M Perez, A Firek, A Simental and S Khan, Loma Linda, CA. Loma Linda University (WAP/WSCI Travel Award Winner)*  
Abstract 70

1:30 **PERIPAPILLARY RETINAL NERVE FIBER LAYER MICROCIRCULATION IN GLAUCOMA PATIENTS OF AFRICAN AND EUROPEAN DESCENT USING OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY.**  
*L Taylor, KD Bojikian, J Wen, Z Chu, X Zhou, Q Zhang, RC Mudumbai, MA Johnstone, RK Wang, PP Chen and H Jung, Seattle, WA. University of Washington (WSMRF)*  
Abstract 71

1:45 **TISSUE PLASMINOGEN ACTIVATOR PROTOCOL FOR FROSTBITE IN ALASKA: IMPROVED ACCESS IN RURAL AND REMOTE AREAS.**  
*J Jarrell, C Stadler, J Capo and EG Brownson, Anchorage, AK. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*  
Abstract 72
2:00  NECROTIZING ENTEROCOLITIS IN A RAT ANIMAL MODEL.
GV Perrier, YS Mendez, FA Khan and A Radulescu, Loma Linda, CA. Loma Linda University (WSMRF)

2:15  SURGICAL CAPACITY AND TRAUMA SYSTEM FUNCTIONALITY IN RURAL UGANDA.
I Zivkovic, M Ajiko, Y Yousef, D Duffy and R Baird, Vancouver, BC, Canada; Soroti, Uganda; Montreal, Canada. University of British Columbia

2:30  COMPARISON OF SVF VIABILITY FROM FAT HARVESTED VIA ULTRASOUND ASSISTED LIPOSUCTION VERSUS STANDARD ASSISTED LIPOSUCTION: A PRELIMINARY VOLUMETRIC ANALYSIS.
L Tobing, C Lee, S Roddick, CS Drew and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)

2:45  THE UTILIZATION OF EXTENDED CRITERIA DONORS IN LIVER TRANSPLANTATION DOES NOT AFFECT PATIENT AND GRAFT SURVIVAL.
L Hysa, JD Perkins and MI Montenovo, Seattle, WA; Nashville, TN. University of Washington

Break – 3:00-3:15 pm
CONCURRENT SESSIONS

Thursday, January 23, 2020
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 (Sunset Center)
Luisa Mestroni, Presiding

3:15  USE OF HEPATITIS B DONORS IN HEART TRANSPLANTATION: ARE THERE CONSEQUENCES?
T Megerdichian, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

3:30  FAMILY ATTITUDES TOWARD GENOMIC SEQUENCING IN CHILDREN WITH CARDIAC DISEASE.
D Gal, N Deuitch, R Tang, D Magnus and D Char, Palo Alto, CA. Stanford Medicine

3:45  ENGINEERED CARDIAC GRAFT REDUCES HEART FAILURE-MEDIATED VENTRICULAR TACHYCARDIA.
I Chinyere, J Lancaster, JW Koevary, E Juneman and S Goldman, Tucson, AZ. University of Arizona

4:00  DOES THE TYPE OF EXPLOSIVE BRAIN-DEATH CORRELATE WITH OUTCOME AFTER HEART TRANSPLANTATION?
T Hage, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
4:15  PRE-TRANSPLANT COLLAGEN VASCULAR DISEASE IS ASSOCIATED WITH AN INCREASE IN CARDIAC ALLOGRAFT VASCULOPATHY AFTER HEART TRANSPLANTATION.
G Harris, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute at Cedars-Sinai

Abstract 81

4:30  THE OUTCOME OF RIGHT VENTRICULAR PRIMARY GRAFT DYSFUNCTION AFTER HEART TRANSPLANTATION: IS IT BAD?
D Melamed, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

Abstract 82

4:45  THE USE OF CARDIAC MAGNETIC RESONANCE IMAGING (MRI) TO PREDICT OUTCOME AFTER HEART TRANSPLANTATION.
B Zarrabi, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute at Cedars-Sinai

Abstract 83

5:00  DOES THE DOSE OF MYCOPHENOLATE MOFETIL IMPACT OUTCOME AFTER HEART TRANSPLANTATION?
S Mersola, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute at Cedars-Sinai

Abstract 84

5:15  CORRELATION OF COMPLEMENT BINDING DONOR SPECIFIC ANTIBODY AND SUBSEQUENT OUTCOME.
A Shen, K Nishihara, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute

Abstract 85

5:30  CARDIOVASCULAR DISEASE RISK BEGINS EARLY IN MALES WITH KLINEFELTER SYNDROME.
N Morelli, J Kaar, K Moreau and S Davis, Aurora, CO. University of Colorado Anschutz Medical Campus

Abstract 86

| 6:00 pm – 7:30 pm | Welcome Reception and Poster Session
Jointly sponsored by
WAFMR, WAP, WSCI, WSMRF, and WSPR
All welcome and encouraged to attend
(Shuttle provided from Sunset Center)
Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923 |
|------------------|--------------------------------------------------------------|
| 7:30 pm – 9:00 pm | WSPR Abbott Nutrition Reception
Open to all WSPR members, trainees, and guests
Il Fornaio, Pine Inn Hotel |
Global Health I
Conductor's Room
Maralyssa Bann, Presiding

3:15 OUTCOMES OF LOW-BIRTHWEIGHT INFANTS FOLLOWING IMPLEMENTATION OF A COMMUNITY-BASED HEALTH SURVEILLANCE INTERVENTION IN RURAL INDIA.
MA Budge, LN Donovan, K Maves, A Patil, A Beckstead, S Hourston, K Vlasic, M Indart, B Fassl and A Judkins, Salt Lake City, UT. University of Utah

Abstract 87

3:30 SUSTAINABLE IMPROVEMENT IN MATERNAL-NEONATAL HEALTH SERVICES DELIVERY IN RURAL NEPAL.
J Doane, JW Thomas, D Levy, A Chambers and B Fassl, Salt Lake City, UT. University of Utah

Abstract 88

3:45 EDUCATING DHULIKHEL HOSPITAL EMERGENCY DEPARTMENT PATIENTS AND FAMILY MEMBERS ABOUT THE RISK FACTORS OF CARDIOVASCULAR DISEASE.
S Spooner, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 89

4:00 ENGAGING TRADITIONAL MEXICAN MIDWIVES IN THE USE OF BAG VALVE MASKS TO TREAT ASPHYXIATED NEONATES.
PF Draper, Salt Lake City, UT. University of Utah School of Medicine

Abstract 90

4:15 RAPID BASELINE ASSESSMENT OF EMERGENCY DEPARTMENT UTILIZATION AND TRIAGE IN RURAL INDIA.
L Donovan, K Maves, A Patil, A Beckstead, MA Budge, K Vlasic, C Indart, JW Thomas, B Fassl and A Judkins, Salt Lake City, UT. University of Utah (WSMRF)

Abstract 91

4:30 RAPID BASELINE ASSESSMENT OF PERIPARTUM CARE DELIVERY BY SKILLED BIRTH ATTENDANTS IN RURAL INDIA.
K Maves, LN Donovan, A Patil, A Beckstead, MA Budge, JW Thomas, B Fassl and A Judkins, Salt Lake City, UT. University of Utah School of Medicine

Abstract 92

4:45 SCREENING FOR DEPRESSION AND ANXIETY AMONG ADOLESCENTS IN HIMACHAL PRADESH, INDIA.
E Loy, J Johnston, A Hooper, M Cornett, S Sachdeva, J Tan and V Kapoor, Vancouver, Canada. University of British Columbia

Abstract 93

5:00 AN ANTHROPOMETRIC ASSESSMENT OF CHILDREN UNDER 5 IN RURAL KENYA.
JB Creelman, J Jacob, SM Gunn, C Pang, P Mbullo and V Kapoor, Vancouver, BC, Canada; Evanston, IL. University of British Columbia
5:15  A SURVEY-BASED METHOD OF ASSESSING FOOD INSECURITY AND DIETARY DIVERSITY IN RURAL WEST KENYA.
SM Gunn, C Pang, J Jacob, JB Creelman, P Mbullo and V Kapoor, Vancouver, BC, Canada; Kisumu, Kenya. University of British Columbia

5:30  THE UTILITY OF TELEDERMATOLOGY TO ENHANCE FOLLOW-UP CARE AND INFORMATION DISTRIBUTION IN LIMA, PERU.
S Briggs and A Kalus, Seattle, WA. University of Washington

6:00 pm – 7:30 pm  Welcome Reception and Poster Session  
Jointly sponsored by  
WAFMR, WAP, WSCI, WSMRF, and WSPR  
All welcome and encouraged to attend  
(Shuttle provided from Sunset Center)  
Carmel Mission Inn – Carmelo Ballroom  
3665 Rio Road, Carmel, CA 93923

7:30 pm – 9:00 pm  WSPR Abbott Nutrition Reception  
Open to all WSPR members, trainees, and guests  
Il Fornaio, Pine Inn Hotel

Global Health II
Carpenter Hall
Mayuree Rao, Presiding

3:15  IMPROVING UNDERSTANDING OF THE BURDEN OF TRAUMATIC INJURIES THROUGH TRAUMA REGISTRIES IN LIMA, PERU.
T Jordan, Seattle, WA. University of Washington School of Medicine

3:30  IMPROVING HAND HYGIENE IN THE PEDIATRICS DEPARTMENT OF THE REGIONAL HOSPITAL OF LORETO, PERU.
K Chaffee, Seattle, WA. University of Washington School of Medicine

3:45  GROWTH ASSESSMENT OF INFANTS ADMITTED TO A GOVERNMENT HOSPITAL NEWBORN UNIT IN NAKURU, KENYA.
A Morozov, M Van Ormer, M Thoene, N Switchenko, E Kibaru, C Hanson and A Anderson-Berry, Omaha, NE; Salt Lake City, UT; Nakuru, Kenya. University of Utah

4:00  ADDRESSING PNEUMONIA MISCONCEPTIONS AND PREVENTION IN CHILDREN UNDER FIVE IN KARAGITA, KENYA
R Wollman, Seattle, WA. University of Washington (WSMRF)
4:15 ASSESSING THE IMPACT OF NEWBORN CARE TRAINING IN RURAL INDIA.
A Beckstead, LN Donovan, K Maves, A Patil, MA Budge, JW Thomas, B Fassl and A Judkins, Salt Lake City, UT. School of Medicine, University of Utah

Abstract 101

4:30 IMPROVING KNOWLEDGE ACQUISITION OF RURAL HEALTHCARE PROVIDERS IN ESSENTIAL NEWBORN CARE IN NEPAL.
J Vaughan, B Fassl, A Chambers, A Sherpa, JW Thomas and A Judkins, Salt Lake City, UT. University of Utah (WSMRF)

Abstract 102

4:45 VECTOR HOST PREFERENCE OF SCHISTOSOME PARASITES IN KENYA.
C Ingram, S Gay, A Gleichsner, M Mutuku, E Reinhardt, G Mkoji, E Loker, M Laidemitt and M Steinauer, Lebanon, OR; Plattsburgh, NY; Nairobi, Kenya; Chicago, IL; Albuquerque, NM. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific Northwest, Oregon

Abstract 103

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Hematology and Oncology I
Green Room (Sunset Center)
Thomas Deloughery, Presiding

3:15 COMPARISON OF PSEUDOPROGRESSION IN GLIOMA PATIENTS FOLLOWING PROTON VERSUS PHOTON THERAPY.
R Ritterbusch and J Graber, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)

Abstract 104

3:30 CRISPR-CAS9-BASED REACTIVATION OF A DORMANT TUMOR SUPPRESSOR GENE CDKN2A INHIBITS PROLIFERATION OF SKIN CANCER CELLS.
DD Walker, JW Lee, D Rokunohe, K Bradwisch, O Denisenko, K Bomsztyk and M Kawasumi, Seattle, WA. University of Washington

Abstract 105
3:45 IDENTIFICATION OF TARGETABLE VULNERABILITIES INDUCED BY TYPE I INTERFERON SIGNALING IN PANCREATIC DUCTAL ADENOCARCINOMA.
AC Yu, ER Abt, L Li, S Xu, CG Radu and T Donahue, Los Angeles, CA. University of California, Los Angeles (WSMRF)

4:00 DELIVERY OF ADJUVANTS WITH C3-TARGETING LIPOSOMES LEADS TO MYELOID CELL ACTIVATION FOR CANCER IMMUNOTHERAPY.
D Heald, M Kullberg and H Martinson, Anchorage, AK. University of Washington

4:15 RADIOGENOMIC MODEL FOR DETECTING PROSTATE CANCER.
N Oune, MT Nguyentat, A Sasani, P Bhattar, C Chahine, PA Kohanteb, J Glavis-Bloom, E Uchio and R Houshyar, Orange, CA; Aurora, CO. University of California Irvine Medical Center (WSMRF)

4:30 ACTIVATION OF PROTEASOME BY INHIBITING AUTOPHAGY IN CORNEAL EPITHELIA CELLS WITH LIMBAL STEM CELL DEFICIENCY.
D Cortez, F Bardag-Gorce and Y Niihara, Torrance, CA; Los Angeles, CA. The Lundquist Institute Harbor-UCLA Charles R. Drew University of Medicine and Science

4:45 DEEP LEARNING FOR PROSTATE SEGMENTATION: CASE VOLUME AND PERFORMANCE.
J Carbone, M Bardis, A Sasani, C Chahine, P Bhattar, H Liu, P Chang and R Houshyar, Orange, CA. University of California Irvine Medical Center (WSMRF)

5:00 VETTING THE QUALITY OF AVAILABLE ONLINE INFORMATION FOR PATIENTS WITH GLIOMA.
S Kipfer and P Ingledew, Vancouver, BC, Canada. University of British Columbia (WSMRF)

5:15 CUTANEOUS METASTASIS OF UROTHELIAL CARCINOMA RESULTING IN VASCULAR OCCLUSION AND LIVEDO RACEMOSA.
A Savell, B Morris and M Heaphy, Reno, NV. University of Nevada, Reno School of Medicine

5:30 TWO CASES OF LOCUS MINORIS RESISTENTIAE IN CANCER METASTASIS.
J West, H Saab and E Cobos, Bakersfield, CA; Cupecoy, Sint Maarten. Kern Medical Center American University of the Caribbean (WAFMR)
6:00 pm – 7:30 pm
Welcome Reception and Poster Session
Jointly sponsored by
WAFMR, WAP, WSCI, WSMRF, and WSPR
All welcome and encouraged to attend
(Shuttle provided from Sunset Center)
Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923

7:30 pm – 9:00 pm
WSPR Abbott Nutrition Reception
Open to all WSPR members, trainees, and guests
Il Fornaio, Pine Inn Hotel

Neonatology General II
Babcock #6 (Sunset Center)
Kara L. Calkins and Tara DuPont, Presiding

3:15 IMPLEMENTATION OF EAT, SLEEP, CONSOLE AS PRIMARY TREATMENT FOR NEONATAL ABSTINENCE SYNDROME (NAS) IN A LEVEL IV NICU.
C Egesdal, P Joe, J Kuller, B Flushman and K Ponder, Oakland, CA. UCSF Benioff Children's Hospital Oakland

3:30 UTILIZATION OF FUNCTIONAL ECHOCARDIOGRAPHY AND NEAR-INFRARED SPECTROSCOPY TO CHARACTERIZE DUCTAL HEMODYNAMICS IN THE PREMATURE NEONATE.
M Ringle, VY Chock, K Stauffer, L Lopez, R Punn and S Bhombal, Palo Alto, CA. Stanford University (WSPR)

3:45 RANDOMIZED TRIAL COMPARING EFFECT OF DIFFERENT EPINEPHRINE DOSES AND FLUSH VOLUMES IN A PERINATAL MODEL OF ASPHYXIAL ARREST.
D Sankaran, P Chandrasekharan, S Gugino, C Koenigsknecht, J Helman, J Nair, B Mathew, M Rawat, P Vali, L Nielsen and S Lakshminrusimha, Sacramento, CA; Buffalo, NY. UC Davis (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)

4:00 REVISION OF TRACHEAL SUCTION GUIDELINES FOR INFANTS BORN THROUGH MECONIUM STAINED AMNIOTIC FLUID (MSAF): CHANGING CLINICAL SIGNIFICANCE OF "NON-VIGOROUS" STATE.
AJ Leegwater, P Vadlaputi, S Lakshminrusimha and VK Kalra, Sacramento, CA. UC Davis Medical School

4:15 LACK OF UTILITY OF TRACHEAL ASPIRATES IN INTUBATED NEONATES.
S Langston, N Pithia, M Sim, M Garg, A de St. Maurice and A Chu, Los Angeles, CA. University of California Los Angeles
4:30 University of Southern California Joan E. Hodgman State-of-The-Art Lecture: THE CONUNDRUM OF PERINATAL MARIJUANA USE AND BREASTFEEDING. Erica Wymore, Children's Colorado

5:00 FACTORS ASSOCIATED WITH ADVERSE EVENTS AND SUCCESS DURING NEONATAL ENDOTRACHEAL INTUBATION. LE Yaeger, H Muniraman, R Ramanathan and M Biniwale, Los Angeles, CA; Phoenix, AZ. LAC+USC Medical Center

5:15 VARIATIONS IN CAFFEINE USE FOR APNEA OF PREMATURITY IN PRETERM INFANTS IN THE UNITED STATES. E Sander and J Shepherd, LA, CA. LAC+USC Medical Center

5:30 INVASIVE VENTILATION DECREASES RENAL CAPILLARY SURFACE DENSITY MORE THAN NONINVASIVE RESPIRATORY SUPPORT IN TERM LAMBS. K Albertine, E Staub and M Dahl, Salt Lake City, UT. University of Utah (WSPR)

6:00 pm – 7:30 pm Welcome Reception and Poster Session Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR All welcome and encouraged to attend (Shuttle provided from Sunset Center) Carmel Mission Inn – Carmelo Ballroom 3665 Rio Road, Carmel, CA 93923

7:30 pm – 9:00 pm WSPR Abbott Nutrition Reception Open to all WSPR members, trainees, and guests Il Fornaio, Pine Inn Hotel

Neonatology Pulmonary II
Rehearsal Room (Sunset Center) Krithika Lingappan and Eniko Sajti, Presiding

3:15 FOLIC ACID TREATMENT RECOUPLES ENDOTHELIAL NITRIC OXIDE SYNTHASE AND AMELIORATES CHRONIC HYPOXIA-INDUCED PULMONARY HYPERTENSION IN NEWBORN PIGLETS. M Douglass, Y Zhang, M Kaplowitz and C Fike, Salt Lake City, UT. University of Utah (WSPR Prolacta Bioscience Neonatal Pulmonary Research Travel Award)

3:30 PULMONARY FUNCTION TESTS IN VERY LOW BIRTH WEIGHT INFANTS SCREENED FOR PULMONARY HYPERTENSION. JD Adair, B Kelly, D Schilling, K Parkhotyuk, A Kim, B Scottoline, L Gievers and C McEvoy, Portland, OR. Oregon Health and Sciences University (WSPR Mead Johnson Travel Award Winner)
3:45  **LONGITUDINAL B-TYPE NATRIURETIC PEPTIDE MEASUREMENT AS PROGNOSTIC MARKER FOR OUTCOMES IN CONGENITAL DIAPHRAGMATIC HERNIA.**
E Guslits, M Steurer, H Nawaytou and R Keller, San Francisco, CA. *University of California San Francisco*

Abstract 124

4:00  **NONINVASIVE RESPIRATORY SUPPORT OF PRETERM LAMBS LEADS TO APPROPRIATE ALVEOLAR CAPILLARY GROWTH.**
A Rebentisch, MJ Dahl, A Lavizzari, E Dawson, O johnson, C Bradford, C Veneroni, Z Wang, B Yoder, D Null, R Dellaca and K Albertine, Salt Lake City, UT; Milan, Italy; Davis, CA. *U of Utah (WSMRF)*

Abstract 125

4:15  **GENTLE VENTILATION WITH PERMISSIVE HYPERCAPNIA IN HIE WITH PPHN: HEMODYNAMIC EFFECTS.**
A Lesneski, M Hardie, P Vali and S Lakshminrusimha, Davis, CA. *UC Davis*

Abstract 126

4:30  **NASAL HIGH FREQUENCY JET VENTILATION VERSUS NASAL INTERMITTENT POSITIVE PRESSURE VENTILATION AS A MEAN OF POST EXTUBATION RESPIRATORY SUPPORT.**
T De Beritto, JJ Keel, R Ramanathan, M Biniwale and R Cayabyab, Los Angeles, CA. *LAC+USC Medical Center, Keck School of Medicine, University of Southern California*

Abstract 127

4:45  **NEUROBEHAVIORAL OUTCOMES OF FORMER PRETERM LAMBS ARE BETTER WHEN RESPIRATORY MANAGEMENT IS NONINVASIVE COMPARED TO INVASIVE.**
E Dawson, S Bowen, E Voll, A Havlicak, J Beachy, MJ Dahl, C Veneroni, A Lavizzari, D Null, R Dellaca and K Albertine, Salt Lake City, UT; Milan, Italy; Davis, CA; New York, NY. *University of Utah (WSMRF)*

Abstract 128

5:00  **EXPOSURE TO CANNABIDIOL (CBD) RESULTS IN MYOGENIC DIFFERENTIATION AND ALTERED FUNCTION IN FETAL RAT LUNG FIBROBLASTS.**
A Harb, Y Liu, R Sakurai, Y Wang and V Rehan, Torrance, CA. *Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center*

Abstract 129

5:15  **EVIDENCE FOR PULMONARY GROUP 2 INNATE LYMPHOID TYPE II CELL INVOLVEMENT IN PERINATAL NICOTINE-INDUCED ASTHMA.**
M Martin, J Liu, R Sakurai, Y Wang, Y Liu, PS Jahani, O Akbari and V Rehan, Torrance, CA; Los Angeles, CA. *Lundquist Institute at Harbor-UCLA*

Abstract 130
5:30 COMMON VAPE FLAVORS ARE DETRIMENTAL TO LUNG FIBROBLAST DIFFERENTIATION.
Y Liu, R Sakurai, Y Wang, A Harb and V Rehan, Torrance, CA. Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center

Abstract 131

6:00 pm – 7:30 pm
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7:30 pm – 9:00 pm
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Neuroscience I
Chapman #4 (Sunset Center)
Jorge Nieva, Presiding

3:15 DURATION OF AMERICAN FOOTBALL PLAY AND CHRONIC TRAUMATIC ENCEPHALOPATHY.
DH Daneshvar, J Mez and AC McKee, Palo Alto, CA; Boston, MA. Stanford Boston University (WAP/WSCI Travel Award Winner)

Abstract 132

3:30 LONGITUDINAL FUNCTIONAL MAGNETIC RESONANCE IMAGING (FMRI) FINDINGS IN ADOLESCENTS.
KNikroo, A Hawkins, D Singhania, S Chitoori, P Wiederkehr, P Otero and B Afghani, Los Angeles, CA; Irvine, CA; Orange, CA. University of Southern California UC Irvine School of Medicine

Abstract 133

3:45 BDNF AUGMENTATION BY AMPAKINES EXPRESSION RESCUES SYNAPTIC DYSFUNCTION AFTER GLOBAL CEREBRAL ISCHEMIA IN THE DEVELOPING BRAIN.
N Chalmers, JE Orfila, PS Herson and RM Dietz, Aurora, CO. University of Colorado (WSPR)

Abstract 134

4:00 EFFECTS OF GSK3B & MTOR ON MICROTUBULE STABILITY & NEURITE LENGTH.
H Kornblum, K Ludwig and S Ravaei, Los Angeles, CA; New Orleans, LA. Tulane University (WSMRF)

Abstract 135

4:15 IDENTIFICATION OF PLK1 AND NUSAP1 AS MARKERS FOR FATE-
RESTRICTED OLIGODENDROCYTE-LINEAGE PROGENITOR CELLS.
J Chauhan and B Appel, Aurora, CO. University of Colorado Anschutz Medical Campus Children's Hospital Colorado

Abstract 136

4:30 ASSESSING THE REPEATABILITY OF MEASUREMENTS OBTAINED USING THE VIP-200 PUPILLOMETER.
K Li, M Kong, S Fuchs and P Davey, Pomona, CA; Zhuang Autonomous Region, China. Western University of Health Sciences - COMP (WSMRF)

Abstract 137

4:45 TARGETING GLYCOGEN SYNTHASE (GYS1) WITH ANTISENSE OLIGONUCLEOTIDE TREATMENT IN A MOUSE MODEL OF POMPE DISEASE.
V Kimonis, L Weiss, L Ta, M Carrer and T Grossman, Irvine, CA; Carlsbad, CA. UC Irvine (WSPR)

Abstract 138

5:00 PRESUMED CONVERSION DISORDER IN A PATIENT FOUND TO HAVE NEW ONSET MULTIPLE SCLEROSIS: CHALLENGES IN DIAGNOSIS AND TREATMENT.
S Lam, E Laboy-Gonzalez, N Kotsyubko, S Thara and S Abdijadid, Bakersfield, CA; Bridgetown, Barbados; Cupecoy, Saint Martin. Kern Medical Center Ross University School of Medicine

Abstract 139

5:15 THE SELECTIVE SEROTONIN REUPTAKE INHIBITOR FLUOXETINE REVERSES ANDROGEN DEPRIVATION THERAPY-INDUCED DISRUPTION OF HIPPOCAMPAL NEUROGENESIS.
R Shota, D Oh, A Alquisola, J Jo, T Alkam and R Pechnick, Pomona, CA; Santa Barbara, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

Abstract 140

5:30 UBE3A OVEREXPRESSION REDUCES HIPPOCAMPAL SK2 CHANNEL LEVELS IN MICE.
V Ramirez, J Sun, X Hao and X Bi, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 141

6:00 pm – 7:30 pm Welcome Reception and Poster Session
Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR
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7:30 pm – 9:00 pm WSPR Abbott Nutrition Reception
Open to all WSPR members, trainees, and guests
Il Fornaio, Pine Inn Hotel
3:15 EMERGENCY DEPARTMENT AIRWAY MANAGEMENT FOR ASTHMA.
HT Godwin, M Fix, O Baker, T Madsen, RM Walls and C Brown, Salt Lake City, UT; Boston, MA. University of Utah School of Medicine

Abstract 142

3:30 POST-OPERATIVE DELIRIUM IS ASSOCIATED WITH POORER HEALTH-RELATED QUALITY OF LIFE AND MORTALITY AFTER LUNG TRANSPLANTATION.

Abstract 143

3:45 MANAGEMENT OF SEVERE PULMONARY HYPERTENSION IN PREGNANCY WITH EPOPROSTENOL.
E Davtyan, T Bajaj, M Edmundson, N Kiai, BA Mocan and J Chandrasekhar, Pembroke Pines, FL; Bakersfield, CA; Miramar, FL. AUC School of Medicine

Abstract 144

4:00 WORSE SLEEP QUALITY IS ASSOCIATED WITH INCREASED RISK OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE EXACERBATION.
AD Baugh, P Woodruff and N Thakur, San Francisco, CA. University of California San Francisco (AFMR Henry Christian Award) (WAFMR)

Abstract 145

4:15 RECURRENT SYNCOPE AS A PRESENTATION OF PULMONARY EMBOLISM – A CASE REPORT.
K Suwanwongse and N Shabarek, Bronx, NY. Lincoln Medical and Mental Health Center

Abstract 146

4:30 COMPARISON OF LUNG INFLAMMATION IN A HOUSE DUST MITE- AND ASPERGILLUS FUMIGATUS EXTRACT- INDUCED ALLERGIC ASTHMA MOUSE MODEL.
J Sumsion, A Pulsipher, C Pollard, A Benally and J Alt, Salt Lake City, UT; Durango, CO. University of Utah School of Medicine

Abstract 147

4:45 SARCOPENIA IS ASSOCIATED WITH FRAILTY IN LUNG TRANSPLANT CANDIDATES.

Abstract 148
6:00 pm – 7:30 pm  |  Welcome Reception and Poster Session  
|  Jointly sponsored by  
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7:30 pm – 9:00 pm  |  WSPR Abbott Nutrition Reception  
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|  Il Fornaio, Pine Inn Hotel

Surgery II  
Carmel Women's Club  
Subhas Gupta and Lee Wong, Presiding

3:15  AUTOMATED FACIAL MEASUREMENTS PROVIDE EMPIRICAL DATA OF SKIN COMPLIANCE.  
S Roddick, C Lee, L Tobing, CS Drew and S Gupta, Loma Linda, CA. *Loma Linda University (WSMRF)*  
Abstract 149

3:30  EFFICACY OF INTRA-ARTICULAR INJECTIONS WITH CORTICOSTEROIDS VERSUS KETOROLAC IN THE HIP AND KNEE.  
K Jurgensmeier, P Fuerst, D Jurgensmeier, D Kunz and S Daines, Seattle, WA; Boise, ID. *University of Washington School of Medicine (WSMRF)*  
Abstract 150

3:45  EFFECT OF PAIN MEDICATION REGIMEN ON HOSPITAL LENGTH OF STAY AFTER CLEFT PALATE SURGERY.  
SN Ahmed, R Courtemanche, N Almuqaimi and E Henkelman, Vancouver, BC, Canada. *University of British Columbia (WSMRF)*  
Abstract 151

4:00  DEVELOPMENT OF A MODEL TO RECRUIT T-REGULATORY CELLS TO VASCULARIZED COMPOSITE ALOOGRAFT TISSUE.  
AC Johnson, B Li, Y Wang, C Owens, CA Huang, N Navarro-Alvarez, A Su, K Washington, CB Verchere and DW Mathes, Aurora, CO; Vancouver, BC, Canada; Tucson, AZ. *University of Arizona*  
Abstract 152

4:15  RESUSCITATIVE THORACOTOMY IN THE EMERGENCY DEPARTMENT: FACTORS AND SURVIVAL.  
J Lam, E Lebby, S Mohammed, F Dong, R Vara, B Woodward and M Neeki, Colton, CA. *California University of Science and Medicine Arrowhead Regional Medical Center*  
Abstract 153

4:30  THE IMPACT OF INTRAOPERATIVE INDOCYANINE GREEN ANGIOGRAPHY (SPY-PHI) FOR PATIENTS WITH FACIAL DEFECTS ON OPERATIVE TIME AND NUMBER OF PROCEDURES.
4:45 EVALUATION OF COHORT PROGRESSING FROM FIRST TO SECOND STAGE SACRAL NEUROMODULATION AND INDICATIONS FOR UNPLANNED DEVICE REMOVAL.  
A Feldkamp, AS Amasyali, J Groegler, F Jellison, R Belay and A Staack, Loma Linda, CA. Loma Linda University (WSMRF)

5:00 THE IMPORTANCE OF PREOPERATIVE NUTRITION IN PLASTIC SURGERY PATIENTS: A META-ANALYSIS OF KEY NUTRIENTS.  
L Tobing, C Lee, CS Drew, S Roddick and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)

5:15 TRIAL OF A VIRTUAL REALITY TOOL TO TEACH SURGICAL TECHNIQUE FOR TIBIAL SHAFT FRACTURE INTRAMEDULLARY NAILING.  
B Zukotynski, G Blumstein, N Cevallos, C Ishmael, SD Zoller, Z Burke, S Clarkson, HY Park, KR Hori, N Bernthal, JH Barad and N SooHoo, Los Angeles, CA; Palo Alto, CA. UCLA David Geffen School of Medicine (WSMRF)

5:30 THE EFFECTIVENESS OF INTRAMEDULLARY NAILING OF DISTAL FIBULA FRACTURES AND DYNAMIC FIXATION OF SYNDENOMOSIS WITH SUTURE BUTTONS.  
A Arora, S Bhatti, C Delman, AM Saiz and MR Haffner, Sacramento, CA. University of California, Davis

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WELCOM RECEPTION AND POSTER SESSION

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WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
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WESTERN SOCIETY FOR PEDIATRIC RESEARCH
WESTERN STUDENT MEDICAL RESEARCH FORUM

Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923
Thursday, January 23, 2020
6:00 PM – 7:30 PM

(Presenters in attendance at their posters from 6:15 – 7:15 pm)

All welcome and encouraged to attend – Shuttle service provided from Sunset Center to
Carmel Mission Inn

Adolescent Medicine and General Pediatrics
Behavior and Development
Cardiology
Clinical Epidemiology and Health Disparities
Community Health and Global Health
Gastroenterology
Healthcare Delivery Research
Infectious Diseases
Morphogenesis and Malformations
Neonatology – General
Neonatology - Pulmonary
Nephrology and Hypertension
Surgery

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<td>1 HYDROCARBON ASPIRATION PNEUMONITIS.</td>
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C Bishara, J Budiaman and B Wong, Las Vegas, NV. University of Nevada, Las Vegas |
| Abstract 159 |
| 2 NEONATAL DIABETES MELLITUS. | 
S Chen, Fresno, CA. UCSF-Fresno |
| Abstract 160 |
| 3 ESTABLISHING GUIDELINES FOR PEDIATRIC FEVER IN A COMMUNITY HOSPITAL. | 
A Johnston, R Azhir, A Panesar, E Schmitt and C Rongkavilit, Fresno, CA. UCSF Fresno |
| Abstract 161 |
4 THE PREPARED FIRST RESPONDER: ENGAGING YOUTH ADVOCATES AT SCHOOL, HOME AND IN THE COMMUNITY.
*D Manzo* and E Picart, Fresno, CA; Sacramento, CA. *University of California San Francisco, Fresno University of California Davis*

Abstract 162

5 ALTERED EXPRESSION OF THIOREDOXINS, PEROXIREDOXINS, AND THIOREDOXIN REDUCTASES IN CBS-DEFICIENT HOMOCYSTINURIA IN THE PRESENCE AND ABSENCE OF HOMOCYSTEINE-LOWERING TREATMENT: POSSIBLE IMPLICATIONS FOR REDOX MEDIATED PATHOLOGY.
*MN Nguyen*, H Jiang and K Maclean, Aurora, CO. *University of Colorado School of Medicine*

Abstract 163

6 CLINICAL PATHWAY DEVELOPMENT FOR CHILDREN WITH A SOLITARY FUNCTIONING KIDNEY.
*T Po White*, E Chan, M Catapang, E Matsell, D Cojocaru, R Humphreys, C Mammen and D Matsell, Vancouver, BC, Canada. *University of British Columbia*

Abstract 164

Behavior and Development

7 THIRD YEAR RESILIENCY DAYS: FORTIFYING STUDENTS AGAINST BURNOUT.
*J Sheehy*, E Yim and A Hayton, Loma Linda, CA. *Loma Linda University*

Abstract 165

8 STRESS, MINDFULNESS DISPOSITION, AND HEART RATE VARIABILITY AMONG SMOKERS: A LABORATORY STUDY.
*I Shull*, G Christodoulou, N Salami, M Kirkpatrick and D Black, Pomona, CA; Los Angeles, CA. *Western University of Health Sciences, College of Osteopathic Medicine of the Pacific*

Abstract 166

Cardiology

9 EVALUATION OF DYNAMIC MONITORS FOR THE PREDICTION OF VOLUME RESPONSIVENESS IN PATIENTS WITH AND WITHOUT DIASTOLIC DYSFUNCTION.
*A Zhelokhovtseva*, D Li, O Badakhsh, S Reddy, E Lal and N Fleming, Sacramento, CA; San Diego, CA; Austin, TX. *University of California, Davis*

Abstract 167

Clinical Epidemiology and Health Disparities

10 EPIDEMIOLOGY OF INJURIES IN ACROBATIC DUNKING ATHLETES.
*S Gay* and E Guenther, Lebanon, OR. *Western University of Health Sciences, College of Osteopathic Medicine of the Pacific Northwest, Oregon, USA*

Abstract 168
11 IMPACT OF CAFFEINE ON SKIN CANCER PREVENTION: A META-ANALYSIS.
S Joseph, D Rokunohe, JW Lee, P Nghiem and M Kawasumi, Seattle, WA. University of Washington School of Medicine

12 A SURVEY OF PRIMARY CARE PHYSICIANS ON HYPERHIDROSIS TRAINING AND EXPERIENCE.
JH Nelson, O Pipitone, W Lear and E Guenther, Lebanon, OR; Corvallis, OR. Western University of Health Sciences COMP-NW

13 IDENTIFYING FACTORS ASSOCIATED WITH LOSS TO FOLLOW-UP IN PATIENTS WITH ADULT CONGENITAL HEART DISEASE.
A Zehri, J Andrews and S Klewer, Tucson, AZ. University of Arizona

14 PILOT STUDY: USING CENTERING DIABETES FOR ADULT PATIENTS WITH TYPE II DIABETES AT A FREE CLINIC.
A Asmussen, E Hepner, C Paiva and M McCarroll, Yakima, WA. Pacific Northwest University of Health Sciences

15 SYSTEMATIC REVIEW: EVALUATION OF INTERVENTIONS ADDRESSING TIMELY ACCESS TO SURGICAL CARE AS OUTLINED BY THE LANCET COMMISSION 2030 GLOBAL SURGERY GOALS.
C Binda, I Zivkovic, D Duffy, G Blair and R Baird, Vancouver, BC, Canada. University of British Columbia

16 MITIGATING ALCOHOL ABUSE IN THE BOOMTOWN ECONOMY OF DOUGLAS, WYOMING.
A Blaine, Seattle, WA. University of Washington School of Medicine

17 MULTIDISCIPLINARY SUPPORT FOR BUPRENORPHINE-NALOXONE TREATMENT OF OPIOID USE DISORDER.
A Hall, Seattle, WA. University of Washington School of Medicine

18 UNINTENTIONAL INGESTION OF MARIJUANA IN ADULTS: A CASE SERIES.
A Hsueh, K Fong, K Kendric, N Siddiqi, J Georgiadis, T Phan, ET Reibling and B Wolk, Loma Linda, CA; Fort Lauderdale, FL; Foley, AL. Loma Linda University School of Medicine

19 SUPPORTING CALIFORNIA’S MEDICAL THERAPY PROGRAM SERVING CHILDREN WITH DISABILITIES THROUGH TELEMEDICINE.
A Favila, L Davidson, A Bares, B Yoo, J Mouzoon, I Sigal, SC Haynes, M Lieng and JP
20 3D IMAGE GENERATION FOR TRANSLATION OF TEXT-BASED MEDICAL QUESTIONNAIRES.
   B Stothers and A Macnab, Vancouver, BC, Canada. University of British Columbia (WSMRF)
   Abstract 177

21 DOES SNACKING HELP CURB CHILDHOOD OBESITY?.
   G Suarez, J Moon, R Denny, G Brown, D Wagner, E Medina and M Baum, Loma Linda, CA.
   Loma Linda University
   Abstract 178

Endocrinology and Metabolism

22 A UNIQUE CASE OF UNDIAGNOSED GRAVES’ DISEASE PRESENTING AS ACUTE TRANSIENT PARALYSIS.
   G Petersen, N Karapetians, C Anderson and D Farmand, Bakersfield, CA; Los Angeles, CA.
   Kern Medical UCLA (WAFMR)
   Abstract 180

Gastroenterology

23 A CASE OF ACUTE PANCREATITIS WITH REFRACTORY ELECTROLYTE IMBALANCE.
   J Bhandohal, J Bhaika, R Jariwal, R Gupta, S Allday and C Anderson, Bakersfield, CA. Kern Medical
   Abstract 181

Healthcare Delivery Research

24 ACCULTURATIONAL AFFECTS REPRODUCTIVE HEALTH KNOWLEDGE AND PERCEPTION OF ARMENIAN AMERICANS.
   A Boodaghian, A Hovssepian, AL Nelson and F Dong, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific
   Abstract 182

25 THE IMPACT OF MEDICAL STUDENT RESEARCH AS A DISCUSSION TOPIC DURING THE RESIDENCY INTERVIEW.
   K Daus and M McEchron, Phoenix, AZ. University of Arizona College of Medicine - Phoenix (WSMRF)
   Abstract 183

   A Dorius, M Kropelnicki, JR Pollock, JM Haglin, G Hanson, S Ochoa and AR Mangold, Scottsdale, AZ; Phoenix, AZ; Provo, UT. Brigham Young University
   Abstract 184
27 LEARNING WITH LITERATURE: HOW ARTS AND HUMANITIES CAN BE USED IN MEDICAL EDUCATION.
H Drake and C Courneya, Vancouver, BC, Canada. University of British Columbia
Abstract 185

28 POCKETOPHTHO: DEVELOPMENT OF A SMARTPHONE-BASED EDUCATIONAL TOOL FOR LEARNING OPHTHALMIC KNOWLEDGE.
N Fong, C Bacorn, J Lee-Coomes and G Yiu, Sacramento, CA; Elk Grove, CA. University of California Davis (WSMRF)
Abstract 186

29 TRANSITIONING TO ADULTHOOD WITH HYDROCEPHALUS: A PATIENT’S PERSPECTIVE.
S Fouladirad, A Cheong and P McDonald, North Vancouver, BC, Canada. University of British Columbia
Abstract 187

30 ORAL SELF-EMULSIFYING DRUG DELIVERY SYSTEM FOR DETECTION OF BETA AMYLOID PLAQUES IN THE RETINA OF AD MICE.
N Hashem, AC Bakshi, S Fuchs and M Issar, Ontario, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific
Abstract 188

31 EMPOWERING NURSES: USING KNOWLEDGE TO SCREEN & IDENTIFY VICTIMS OF HUMAN TRAFFICKING.
P Khanna, F Dong, R Trudgeon and IC Tuason, Pomona, CA. Western University of Health Sciences
Abstract 189

M Kropelnicki, DA Dorius, J Pollock, J Haglin and D Patel, Provo, UT; Scottsdale, AZ. Brigham Young University
Abstract 190

33 IMPACT OF WAITING ROOM ART INTERVENTION ON PEDIATRIC PATIENTS’ ANXIETY AND COOPERATION WITH PHYSICIAN.
P Matus, A Belikova, F Dong and S Fuchs, Pomona, CA. Western University of Health Sciences
Abstract 191

JR Pollock, JM Haglin and DG Deckey, Scottsdale, AZ; Phoenix, AZ. Mayo Clinic Alix School of Medicine (WSMRF)
Abstract 192

35 20 YEARS OF MEDICARE REIMBURSEMENT TRENDS IN TRANSPLANT SURGERY.
ONSITE CLINIC CARE OF WORK INJURIES IN HEALTHCARE WORKERS.  
LW Raymond, Charlotte, NC; Chapel Hill, NC. Atrium Health University of North Carolina (WAFMR)

HEALTH COACHING: BIOMETRICS WERE BETTER AFTER A YEAR.  
L Raymond, M Slomba and C Ford, Charlotte, NC; Chapel Hill, NC. Atrium Health University of North Carolina (WAFMR)

EVALUATION OF THREE CYTOMEGALOVIRUS IGG LATERAL FLOW ASSAYS FOR DETERMINATION OF CYTOMEGALOVIRUS SEROSTATUS.  
F Ali, L Joncas-Schronce, G Pepper, RD Stapleton, GD Rubenfeld, M Boeckh and A Limaye, Seattle, WA; Burlington, VT; Toronto, Canada. University of Washington School of Medicine (WSMRF)

COCCIDIOIDAL MENINGITIS AND CIRRHOSIS: IS THE GAME OVER?  
C D'Assumpcao, FC Venter, K Sabetian and A Heidari, Bakersfield, CA. Kern Medical - UCLA

LYME DISEASE: DIVERSITY OF BORRELLIA SPECIES IN CALIFORNIA AND MEXICO BASED ON A NOVEL IMMUNOBLOT ASSAY.  
MC Fesler, JS Shah, MJ Middelveen, JJ Burrascano and RB Stricker, San Francisco, CA; Milpitas, CA; Calgary, Alberta, Canada. Union Square Medical Associates

OSTEOMYELITIS WITH INFECTED HARDWARE DUE TO STREPTOCOCCUS DYSGALACTIAE SUBSPECIES EQUISIMILIS.  
R Hall, S Choi, D Holt, A Govindarajan and A Heidari, Miramar, FL; Glendale, AZ; Bakersfield, CA. Ross University School of Medicine

DISSEMINATED COCCIDIOIDOMYCOSIS TO THE CHEST WALL: FLESH-EATING FUNGUS.  
N Raza, A Heidari and S Dhital, Bakersfield, CA. Kern Medical

A COMMON ILLNESS MASQUERADING AS PYELONEPHRITIS.  
C Kien and K Ganta, Tempe, AZ; Albuquerque, NM. Arizona State University

PEDIATRIC COCCIDIOIDOMYCOSIS MENINGITIS.
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<td>SHORT-TERM OUTCOMES OF VENO ARTERIAL -ECMO FOR HIE AND SEVERE PPHN.</td>
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TECHNOLOGY.
B Barnette, JL Wynn and S Lawrence, San Diego, CA; Gainesville, FL. University of California San Diego (WSPR)

Abstract 210

53 EFFECT OF LOW-DOSE HIGH-FREQUENCY MULTIMEDIA REFRESHER MATERIALS ON HELPING BABIES BREATHE SKILLS RETENTION IN TANZANIA.
J Mascari, San Diego, CA. UC San Diego

Abstract 211

54 DOES CONTINUOUS POSITIVE AIRWAY PRESSURE ALTER THE FECAL MICROBIOTA OF VERY LOW BIRTH WEIGHT INFANTS?
RD Robertson, K Kuhn-Riordon and M Underwood, Sacramento, CA. University of California Davis

Abstract 212

Nephrology and Hypertension - Adult

55 ATYPICAL PRESENTATION OF SEVERE NON-TRAUMATIC RHABDOMYOLYSIS RESULTING IN MULTI-ORGAN FAILURE.
A Shah, D Aguirre and P Shrestha, Miramar, FL; Bakersfield, CA. Kern Medical-UCLA (WAFMR)

Abstract 213

56 SPONTANEOUS BILATERAL SUBCAPSULAR RENAL HEMATOMA.
S Eppanapally, T Bajaj, N Trang and F Nasrawi, Bakersfield, CA. Kern Medical Center

Abstract 214

Surgery

57 SOMETHING STINKS! FINDING WAYS TO MANAGE NOXIOUS ODOURS IN THE OPERATING ROOM: A RANDOMIZED CONTROLLED TRIAL.
L Bjornson, A Van Slyke, M Bucevska, R Courtemanche, J Bone, A Knox, C Verchere and J Boyle, Vancouver, BC, Canada; Edmonton, Alberta, Canada. University of British Columbia (WSMRF)

Abstract 215

58 POINT OF CARE ULTRASOUND EVALUATION OF AIRSPACE DISEASE BEFORE AND AFTER PROLONGED SURGERY.
K Cook, M Buell, B Lew, P Vu, J Hinson, M Martinez, M Alschuler, M Holsclaw and D Ramsingh, Loma Linda, CA. Loma Linda University

Abstract 216

59 COMPARISON OF PATIENT OUTCOMES FOLLOWING ANKLE FRACTURE FIXATION WITH OR WITHOUT ARTHROSCOPY TREND TOWARD IMPROVED OUTCOMES WITH THE USE OF ARTHROSCOPY.
K Drexelius, K Smith, S Challa, D Moon, J Metzl and KJ Hunt, Aurora, CO. University of Colorado

Abstract 217
60 ADULT MESENCHYMAL HAMARTOMA OF THE LIVER: CASE REPORT AND LITERATURE REVIEW.
M Gross and N Wilkinson, Seattle, WA; Kalispell, MT. University of Washington School of Medicine

61 UTILITY OF EEG IN PREDICTING HEMISPHERIC SURGERY OUTCOME.
K Hanjani and M Connolly, Vancouver, BC, Canada. University of British Columbia (WSMRF)

62 RACIAL DIFFERENCES IN THE PROSTATE CANCER MICROENVIRONMENT.
A Jarjour, Y Zhang, B Knudsen, K Wawrowski, CG Drake, S Freedland and A Vidal, Pomona, CA; Los Angeles, CA; New York, NY; Durham, NC. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

63 COMPARATIVE ASSESSMENT OF PATIENT SURGICAL RISK BY SURGEONS VS. A UNIVERSAL, PARSIMONIOUS STATISTICAL RISK SYSTEM.
N Mason, P Rozeboom, MR Bronsert, W Henderson, N Pradhan, A Lambert-Kerzner, K Hammermeister and R Meguid, Aurora, CO. University of Colorado School of Medicine

64 EFFECTS OF DELAYED ICU ADMISSION FROM THE POST-ANESTHESIA CARE UNIT VS. DIRECT ADMISSION TO THE SURGICAL INTENSIVE CARE UNIT IN POST-OPERATIVE PATIENTS.
M Moran, S Hendrix, T Cruz, R Raval and I Dorotta, Loma Linda, CA. Loma Linda University

65 SURGICAL OUTCOMES OF SUPRAVALVULAR AORTIC STENOSIS REPAIR TECHNIQUES IN PEDIATRIC PATIENTS: A SYSTEMATIC REVIEW.
D Rodriguez, B McCormick, J Arbon and J Jahanyar, Scottsdale, AZ; Phoenix, AZ. Mayo Clinic Alix School of Medicine (WAFMR)

66 OBSTRUCTIVE SLEEP APNEA AND EARLY WEIGHT LOSS AMONG ADOLESCENTS THAT UNDERGO BARIATRIC SURGERY AT CHILDREN'S HOSPITAL COLORADO.
SP Russell, I Talker, JM Moore, TH Inge, SM Hawkins, MS Alioa, J Kaar and S Simon, Aurora, CO; Denver, CO. University of Colorado Anschutz Medical Campus

67 CLINICAL OUTCOME DIFFERENCES BETWEEN SINGLE AND MULTI-STAGED TRANSTIBIAL AMPUTATIONS.
AF Shu, DK Moon, KS Smith, S Challa and KJ Hunt, Aurora, CO. University of Colorado
68 SLEEP BEHAVIORS IN ADOLESCENTS UNDERGOING BARIATRIC SURGERY EVALUATION.
*ITT*alke, SP Russell, JM Moore, TH Inge, SM Hawkins, MS Alioa, S Simon and J Kaar, Aurora, CO; Denver, CO. *University of Colorado Anschutz Medical Campus*

Abstract 226

69 OPTIMAL NAIL DIAMETER TO MEDULLARY CANAL RATIO IN DIAPHYSEAL TIBIA FRACTURES TREATED WITH INTRAMEDULLARY NAILING.
*AA Trizno, Y Peng, PM Carry and JW Stoneback, Aurora, CO. University of Colorado School of Medicine*

Abstract 227

70 UNDERSTANDING TECHNIQUES OF AND ATTITUDES TOWARDS PREOPERATIVE RISK ASSESSMENT.
*N Pradhan, MR Bronsert, A Lambert-Kerzner, N Mason, W Henderson, K Hammermeister, H Qiu, and R Meguid. Aurora, CO University of Colorado School of Medicine*

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| 7:30 pm – 9:00 pm | **WSPR Abbott Nutrition Reception**
|                | Open to all WSPR members, trainees, and guests
|                | *Il Fornaio, Pine Inn Hotel*                                         |
| 7:30 pm – 9:00 pm | **WAFMR Business Meeting**
|                | *(by invitation only)*
|                | *Forge in the Forest*                                                 |
CONCURRENT SESSIONS
Friday, January 24, 2020
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 II………………..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 ………………………………………………………….Conductor’s Room

Adolescent Medicine and General Pediatrics II
Studio 105 (Sunset Center)
Walter Dehory and Mary M. Ramos, Presiding

8:00  VASCULAR ANOMALIES, THROMBOEMBOLISM, AND ORAL CONTRACEPTIVES: A RETROSPECTIVE STUDY.
J Wang and J Teng, Palo Alto, CA; Pomona, CA. Stanford University School of Medicine Western University of Health Sciences
Abstract 228

8:15  DIETARY SUPPLEMENT USE AMONG COLLEGE STUDENTS AND ATHLETES: A LITERATURE REVIEW.
R Granados, K Xu, A Dihingia, A Woo, K Ajjarapu, M Lai and B Afghani, Fullerton, CA; Irvine, CA; Orange, CA. California State University, Fullerton UC Irvine
Abstract 229

BC Yang, Valencia, CA. Valencia High School
Abstract 230

8:45  OBESITY-RELATED COMORBIDITIES AND OUTCOMES IN A MULTIDISCIPLINARY PEDIATRIC WEIGHT MANAGEMENT CLINIC.
H Kim, D Markovic, A Guerrero and C Garell, Los Angeles, CA. UCLA David Geffen School of Medicine
Abstract 231
9:00 QUALITY IMPROVEMENT IN THE OUTPATIENT MANAGEMENT OF PEDIATRIC ASTHMA IN THE CENTRAL VALLEY.
K Hockett, C Nguyen, D Corpus, OC Dogan, M Jasinto, V Vidales, N Bardach and C Faulkenberry, Fresno, CA; San Francisco, CA. UCSF Fresno

Abstract 232

9:15 CORRECTION OF NEONATAL AURICULAR DEFORMITIES WITH DUODERM®: A SIMPLE TECHNIQUE.
I Manji, K Durlacher and C Verchere, Vancouver, BC, Canada. University of British Columbia

Abstract 233

9:30 WSPR Prolacta Bioscience Adolescent Medicine and General Pediatrics State-of-The-Art Lecture:
BEYOND SAFE SPACES: A REVIEW OF CURRENT RESEARCH AND IMPLEMENTATIONS PROMOTING SAFE AND SUPPORTIVE SCHOOLS TO IMPROVE SEXUAL AND GENDER MINORITY YOUTH HEALTH OUTCOMES.
Daniel Shattuck, Pacific Institute for Research and Evaluation

Break 10:00 am – 10:15 am

Cardiovascular III
Promenade Lobby (Sunset Center)
Jon Kobashigawa, Presiding

8:00 A RARE PRESENTATION OF EOSINOPHILIC THROMBOTIC MYOCARDITIS.
VF Civelli, A Heidari, J Kim, P Sharma, S Singh and N Doctor, Bakersfield, CA; Bakesfield, CA; Los Angeles, CA. UCLA Kern Medical Center (WAFMR)

Abstract 234

8:15 THE HEART AS A SPRING, THE MEASUREMENT OF MYOCARDIAL BOUNCE TO ASSESS LEFT VENTRICULAR DIASTOLIC FUNCTION ON CARDIAC MR.
E Qiao, TJ Dubinsky and D Hippe, Seattle, WA. University of Washington

Abstract 235

8:30 MITRACLIP IN THE SETTING OF CARDIOGENIC SHOCK: BEYOND COAPT.
JM Deen, T Lev and J Ebinger, Los Angeles, CA. Cedars-Sinai Medical Center

Abstract 236

8:45 THE BLACK CLOUD OF SEVERE LEFT VENTRICULAR PRIMARY GRAFT DYSFUNCTION AFTER HEART TRANSPLANTATION.
A Patel, K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

Abstract 237

9:00 IS LOWER LOW-DENSITY LIPOPROTEIN CHOLESTEROL AFTER HEART TRANSPLANTATION ASSOCIATED WITH OPTIMAL OUTCOME?
9:15 THE EFFECTIVENESS OF ANTI-THYMOCYTE GLOBULIN FOR SENSITIZED PATIENTS UNDERGOING HEART TRANSPLANTATION.  
K Nishihara, A Shen, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute at Cedars-Sinai  
Abstract 238

9:30 IS DESENSITIZATION THERAPY SAFE IN MECHANICAL CIRCULATORY SUPPORT PATIENTS WITH EXISTING DRIVELINE INFECTION?  
S Rajkumar, K Nishihara, A Shen, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute at Cedars-Sinai  
Abstract 239

9:45 EFFECTIVENESS OF INTRAVENOUS IMMUNOGLOBULIN VERSUS INFILIXIMAB IN PATIENTS WITH REFRACTORY KAWASAKI DISEASE.  
K Ghasemian, W Pan, S Anand, N Ton, I Kane Gomez, A Lu and B Afghani, Irvine, CA; Orange, CA. University of California, Irvine UC Irvine School of Medicine  
Abstract 240

Break 10:00 am – 10:15 am

Case Reports I  
Carpenter Hall  
David Gilbert, Presiding

8:00 COLON CANCER PRESENTING AS A SPLENIC ABSCESS WITH ASSOCIATED FUSOBACTERIUM MORTIFERUM BACTEREMIA.  
E Fitzsimmons, T Torrico, C Donath and S Ragland, Bridgetown, Barbados; Bakersfield, CA. Ross University School of Medicine  
Abstract 242

8:15 A RARE CASE OF COCCIDIOIDAL OTOMYCOSIS.  
HK Sandhu, G Petersen and A Heidari, Bakersfield, CA. Kern Medical  
Abstract 243

8:30 A CASE OF OCULAR SYPHILIS AS THE INITIAL PRESENTING SYMPTOM IN A PATIENT WITH HIV.  
J Bhandoha, J Bhaika, R Jariwal, R Gupta, J West, S Allday, C Anderson and B Oftedal, Bakersfield, CA. Kern Medical  
Abstract 244

8:45 A CASE OF ACUTE LIVER INJURY IN THE SETTING OF ANTI-TUBERCULOSIS THERAPY FOR PRESUMPTIVE OCULAR TUBERCULOSIS.  
D Lichtenfeld, A Govindarajan, D Learned and A Heidari, Miramar, FL; Bakersfield, CA. Ross University School of Medicine Kern Medical - UCLA  
Abstract 245
9:00  RECURRENT HOSPITALIZATION FOR CANNABINOID HYPEREMESIS SYNDROME IN AN ADOLESCENT.
K De Leon, J Pham and TJ Chinnock, Loma Linda, CA. Loma Linda University

Abstract 246

9:15  ONCE BUT NOT TWICE: RIPE BEFORE SNIP.
VF Civelli, M Valdez, V Narang, A Heidari and R Johnson, Bakersfield, CA. Kern Medical

Abstract 247

9:30  A CASE OF HEPATITIS B IMMUNE ESCAPE VARIANT: IS MY SPOUSE SAFE?
A Shah, A Heidari, V Bali and M Valdez, Bakersfield, CA. Kern Medical-UCLA (WAFMR)

Abstract 248

9:45  A CASE OF ESCHERCHIA COLI VULNERIS NECROTIZING FASCITIS.
R Hall, S Choi, A Govindarajan and A Heidari, Miramar, FL; Bakersfield, CA; Glendale, AZ. Ross University School of Medicine Kern Medical - UCLA

Abstract 249

Break 10:00 am – 10:15 am

Endocrinology and Metabolism II
Carmel Women's Club
Greti Petersen and Jacob Stuppy, Presiding

8:00  HIGH PREVALENCE OF METABOLIC SYNDROME IN ADOLESCENTS WITH KLINEFELTER SYNDROME.
SI DeKlotz, N Tartaglia, M Kelsey, KJ Nadeau and S Davis, Aurora, CO. University of Colorado (WSMRF)

Abstract 250

8:15  MUSCLE MITOCHONDRIAL FUNCTION IN KLINEFELTER SYNDROME.
S Cung, KJ Nadeau, D Dabelea, M Cree-Green and S Davis, Aurora, CO. University of Colorado

Abstract 251

8:30  INCREASED DE NOVO LIPOGENESIS IN HEPATICS STEATOSIS REGARDLESS OF POLYCYSTIC OVARY SYNDROME STATUS.
JJ Stuppy, C Severn, EJ Parks, A Carreau, Y Garcia-Reyes, H Rahat, DH Wagner, KJ Nadeau, L Pyle and M Cree-Green, Aurora, CO; Parker, CO; Columbia, MO; Nashua, NH. University of Colorado Anschutz Rocky Vista University (WAFMR)

Abstract 252

8:45  METABOLOMIC CHARACTERIZATION OF HEPATIC STEATOSIS IN POLYCYSTIC OVARY SYNDROME.
H Rahat, K Alexander, J Reisz, Y Garcia-Reyes, A Carreau, KJ Nadeau, A D’Alessandro and M Cree-Green, Aurora, CO. University of Colorado Anschutz (WSMRF)

Abstract 253
9:00  EMPLOYING METABOLOMICS AND MICROBIOME DATA TO BUILD ALGORITHMS FOR INTERROGATING HOST-MICROBE INTERACTIONS.  
K Thurimella, M Shaffer and C Lozupone, Aurora, CO. University of Colorado School of Medicine (AFMR Henry Christian Award) (WAFMR)

Abstract 254

9:15  RECOGNITION OF DISTINCT FACIAL MORPHOLOGY IN YOUTH WITH CONGENITAL ADRENAL HYPERPLASIA VIA MACHINE LEARNING TECHNIQUES.  
H Mirzaalian, X Guo, L Randolph, V Tanawattanacharoen, H Ross, M Geffner, W Abd-Almageed and M Kim, Marina Del Rey, CA; Los Angeles, CA. Children's Hospital Los Angeles (WAFMR)

Abstract 255

9:30  EARLY ADIPOSITY REBOUND IN YOUTH WITH CONGENITAL ADRENAL HYPERPLASIA IS ASSOCIATED WITH INCREASED ADIPOSITY AND BONE AGE IN ADOLESCENCE.  
G Bhullar, V Tanawattanacharoen, M Yeh, S Vartany, W Kim, A Vidmar, M Geffner, D Hwang and M Kim, Los Angeles, CA. Children's Hospital LA (WAFMR)

Abstract 256

9:45  A CASE OF THYROTOXIC PERIODIC PARALYSIS.  
P De Mola, G Renganathan, N Hasan and D Aguirre, Bakersfield, CA. Kern Medical

Abstract 257

Break 10:00 am – 10:15 am

Gastroenterology  
Babcock #6 (Sunset Center)  
W. Conrad Liles, Presiding

8:00  MEDICAL THERAPY AND CLINICAL OUTCOMES IN ULCERATIVE COLITIS PATIENTS IN A COMMUNITY GASTROENTEROLOGY PRACTICE.  
Z Herbert and CM Gonzales, Ogden, UT. Weber State University

Abstract 258

8:15  EFFECTIVENESS OF FECAL MICROBIOTA TRANSPLANT IN PATIENTS WITH ULCERATIVE COLITIS: A LITERATURE REVIEW.  
A Nguyen, J Bustami, S Adcook, H Samiullah, J Woo, A Le, M Shi and B Afghani, Irvine, CA; Orange, CA. University of California Irvine, UC Irvine School of Medicine

Abstract 259

8:30  PREVALENCE AND CLINICAL SIGNIFICANCE OF OCCULT HCV INFECTION.  
T Saito, Los Angeles, CA. University of Southern California (WAFMR)

Abstract 260

8:45  EXAMINATION OF WNT SIGNALING AS A THERAPEUTIC TARGET FOR PANCREATIC DUCTAL ADENOCARCINOMA USING A PANCREATIC
TUMOR ORGANOID LIBRARY.
HJ Hawkins, BW Yacob, CD Brindley, WA Messersmith, PJ Dempsey and TM Pitts, Aurora, CO. University of Colorado

Abstract 261

9:00 ASSOCIATION OF CANNABINOID USE AND HYPEREMESIS SYNDROME.
J Hong, P Desagani, S Narayanan, V Muruathasan, I Prasad, M Tanios and B Afghani, Saint Bonaventure, NY; Irvine, CA; Orange, CA. Saint Bonaventure University, University of California School of Medicine (WAP/WSCI Travel Award Winner)

Abstract 262

Break 10:00 am – 10:15 am

Genetics I
Rehearsal Room (Sunset Center)
Alicia R. Aycinena and Heather Byers, Presiding

8:00 CHARACTERIZATION OF CTCF AS A RARE CAUSE OF INTELLECTUAL DISABILITY.
F Velez-Bartolomei, S Schelley, A Hanson-Kahn, LK Walsh, E Smith, L Hudgins and M Manning, Stanford, CA; Pittsburgh, PA. Stanford University, School of Medicine

Abstract 263

8:15 A LARGE COHORT OF CNKSR2-RELATED DISEASE PROVIDING INSIGHTS INTO NATURAL HISTORY AND THE MUTATIONAL SPECTRUM.
L Higa, S Singh, E Massiello, T Foster and JJ Shen, Fresno, CA; Reedley, CA. UCSF Fresno (WSPR)

Abstract 264

8:30 DOCUMENTATION OF IFT172 AS THE NINETEENTH GENE CAUSATIVE OF ORAL-FACIAL-DIGITAL SYNDROME UNDERSCORES THE IMPORTANCE OF CILIARY TRAFFICKING IN ITS PATHOGENESIS.
M Yamada and K Kosaki, Tokyo, Japan. Keio University School of Medicine (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)

Abstract 265

8:45 RAF1 DUPLICATIONS.
M Palma, J Lores, D Stevenson, J Bernstein, L Calderwood, H Pachajoa and C Prada, Palo Alto, CA; Cincinnati, OH; Cali, Colombia. Stanford University

Abstract 266

9:00 CHARACTERIZATION OF FRACTURES AND THEIR ETIOLOGY IN PRE AND EARLY AMBULATORY CHILDREN.
P Patel, K Hollenbach, C Kuelbs, K Wigby, M Kaufhold, LM Bird and V Upasani, San Diego, CA. University of California, San Diego (WSPR)

Abstract 267

9:15 TANGO2 DEFICIENCY: A CASE SERIES HIGHLIGHTING INTRAFAMILIAL VARIABILITY AND REVIEW OF THE LITERATURE.
J Schymick, D Bonner, P Leahy, T Cowan, M Ruzhnikov, J Kohler, C McCormack, L

Abstract 268
9:30 CLINICAL GENOMICS AND RAPID TARGETED MOUSE MODELING: A NOVEL PROGRAM TO ELUCIDATE VARIANTS AND GENES OF UNCERTAIN SIGNIFICANCE AND ADVANCE TRANSLATIONAL RESEARCH.
S Shankar, K Grimsrud, K Lloyd and KA Rauen, Sacramento, CA; Davis, CA. UC Davis (WAFMR)

9:45 A NEW MALE CASE OF KAGAMI-OGATA SYNDROME CAUSED BY PATERNAL UNIPATERNAL DISOMY 14 RESULTING FROM ROBERTSONIAN TRANSLOCATION.
H Wang, X Wang, H Peng, B Shah, H Gu and L Zhang, Loma Linda, CA; Shenyang, China; Oklahoma City, OK. Loma Linda University School of Medicine

Break 10:00 am – 10:15 am
Neonatology General III
All Saints Church, Seccombe Hall
Erica Wymore and Shelley Lawrence, Presiding

8:00 NEONATAL HEMOLYSIS RISK ASSESSMENT IN THE ERA OF UNIVERSAL BILIRUBIN SCREENING.
A Ligsay, EM Hubbard, J Koola and C Longhurst, San Diego, CA. University of California San Diego (WSMRF)

8:15 EARLY HYPERBILIRUBINEMIA IN NEONATES WITH DOWN SYNDROME.
TM Bahr, ER Henry, W Hulse, V Baer, JT Prchal, VK Bhutani and RD Christensen, Murray, UT; Salt Lake City, UT; Stanford, CA. University of Utah

8:30 IMPACT OF A PARENT VIDEO VIEWING PROGRAM IN THE NEONATAL INTENSIVE CARE UNIT.

8:45 WSPR Philip Sunshine State-of-the-Art Speaker:
WHEN BREATH BECOMES FAIR: THE NECESSITY OF HEALTH EQUITY FOR NEONATAL INNOVATION.
Valencia P. Walker, UCLA Health

9:15 TEACHING IN THE NICU: CAN WE DO BETTER?
9:30  HIDDEN COSTS OF TIME: A COST COMPARISON OF CREATING VERSUS UPDATING EDUCATIONAL MATERIALS IN NEONATOLOGY FELLOWSHIP. 
A Arias-Shah, MM Carbajal, H Karpen, C Gisondo, M Gray, H French, S Izatt, L Johnston, P Chess and R Dadiz, Houston, TX; Rochester, NY; Philadelphia, PA; Atlanta, GA; Ann Arbor, MI; Seattle, WA; Durham, NC; New Haven, CT. Baylor College of Medicine

9:45  REDUCING LENGTH OF STAY IN NEONATAL ABSTINENCE SYNDROME THROUGH QUALITY IMPROVEMENT. 
R Carter, K Weiss, R Manrique, C Le, S Fleming, G Romanowski, D Golembeski, R Song and L Moyer, San Diego, CA. Rady Children's Hospital

Break 10:00 am – 10:15 am

Neonatology - Perinatal Biology I
Chapman #4 (Sunset Center)
Arlin Blood and Lisa Joss-Moore, Presiding

8:00  ROLE OF ALPHA-1 RECEPTORS IN THE CEREBRAL BLOOD FLOW RESPONSE TO ACUTE HYPOXEMIA IN FETAL SHEEP. 
J Bierwirth, T Liu, B Mendez, S Bragg, G Power and A Blood, Loma Linda, CA. Loma Linda University School of Medicine. (WSPR Prolacta Bioscience Fellow Research Travel Award)

8:15  IUGR, DEVELOPMENT, AND DHA SUPPLEMENTATION ALTER RAT HEPATIC PEMT EXPRESSION. 
S Kasera, B Zhao, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)

8:30  PREDICTION OF BRONCHOPULMONARY DYSPLASIA ON POSTNATAL DAY ONE BY GRADIENT BOOSTING, AN ENSEMBLE MACHINE LEARNING ALGORITHM. 
A Vaid, L Padilla and V Rehan, Torrance, CA. Lundquist Institute at Harbor-UCLA

8:45  PLACENTAL PROTEINS: A NEW APPROACH TO PREMATURELY. 
C Schreiner, T Powell and T Jansson, Aurora, CO. University of Colorado (WSPR Mead Johnson Travel Award Winner)
9:00  University of Colorado Fred Battaglia State-of-the-Art Speaker: PLACENTAL INSUFFICIENCY IMPAIRS FETAL PANCREATIC ISLET PLASTICITY AND RESPONSIVENESS TO LEUCINE SUPPLEMENTATION. Paul Rozance, University of Colorado

9:30  HEPATIC POSTNATAL INDUCTION OF SELENIUM AND ZINC ASSOCIATED ANTIOXIDANT ENZYMES. L Sherlock, K Sjostrom, M Zarate, L Nguyen, E Nozik-Grayck and C Wright, Aurora, CO. University of Colorado (WSPR Mead Johnson Nutrition Junior Faculty Travel Award) (WSPR)  

Abstract 281

9:45  DYSRUPTION OF CALCIUM HOMOEOSTASIS AMPLIFIES TLR9 MEDIATED IL-1 EXPRESSION: IMPLICATION FOR STERILE INFLAMMATION. R de Dios, L Nguyen, S McKenna, J Sandoval and C Wright, Aurora, CO. University of Colorado Anschutz Medical Campus (WSPR Prolacta Bioscience Undergraduate Research Travel Award)  

Abstract 282

Break 10:00 am – 10:15 am

Surgery III  
Conductor's Room  
Subhas Gupta, Presiding

8:00  RISK FACTOR ASSESSMENT ANALYSIS FOR PATIENTS UNDERGOING BREAST CANCER RECONSTRUCTION TO ENHANCE RECOVERY. CS Drew, C Lee, L Tobing, S Roddick and S Gupta, Loma Linda, CA. Loma Linda (WSMRF)  

Abstract 283

8:15  ETIOLOGY OF CHRONIC EXERTIONAL COMPARTMENT SYNDROME AND A NON-SURGICAL TREATMENT. TA Thompson, S Ficken, J White and J McGinley, Seattle, WA; Casper, WY. University of Washington  

Abstract 284

8:30  METAPHYSEAL CLAMSHIELD OSTEOTOMY FOR LONG BONE DEFORMITY. DA Bravin, M Rice and MA Lee, Sacramento, CA. UC Davis  

Abstract 285

8:45  DETERMINANTS OF CAREGIVER SATISFACTION IN PEDIATRIC ORTHOPEDICS. IM Singleton, R Garfinkel, H Temkit and MV Belthur, Phoenix, AZ; Detroit, MI. University of Arizona College of Medicine - Phoenix (WSMRF)  

Abstract 286

9:00  DOES ULTRASOUND-GUIDED OSTEOTOMY IMPROVE THE AESTHETIC OUTCOME OF PATIENTS UNDERGOING RHINOPLASTY SURGERY?
C Lee, CS Drew, L Tobing, S Roddick and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 287
9:15 SELF-REPORTED HEALTH MEASURES IN BURN SURVIVORS UNDERGOING BURN SURGERY FOLLOWING ACUTE HOSPITALIZATION.
DE Luna, C Sheckter, G Carrougher, B Stewart, J Schneider, C Ryan, R Holavanahalli, D Amtmann and N Gibran, Seattle, WA; Stanford, CA; Boston, MA; Dallas, TX. University of Washington

Abstract 288
9:30 C-REACTIVE PROTEIN LEVEL AT TIME OF DISCHARGE IS NOT PREDICTIVE OF RISK OF REOPERATION OR READMISSION IN CHILDREN WITH SEPTIC ARTHRITIS.
M Bouchard, L Shefelbine and V Bompadre, Toronto, Canada; Seattle, WA. University of Washington

Abstract 289
9:45 ELEMENTS OF 0% LEAK RATE IN SLEEVE GASTRECTOMY.
J Gevorkian and K Sasse, Reno, NV. UNR School of Medicine

Break 10:00 am – 10:15 am

CONCURRENT SESSIONS

Friday, January 24, 2020
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 and Development I.................................................................Chapman #4
Community Health...........................................................................Promenade Lobby
Healthcare Delivery Research II.......................................................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 ........................................................................................Conductor’s Room
10:15 SPEECH AND LANGUAGE DEVELOPMENT, AUTISM SPECTRUM
DISORDERS AND SEIZURES: WOULD WHOLE GENOME SEQUENCING
PROVIDE A CONNECTING LINK?
SL Cole, M Hegde and S Shankar, Sacramento, CA; Atlanta, GA. UC Davis
Abstract 291

10:30 WSPR Prolacta Bioscience Behavior and Development State-of-the-Art Lecture:
DEVELOPING A COMPREHENSIVE PRACTICE GUIDELINE FOR COMPLEX
ADHD: FROM KEY ACTION STATEMENTS TO EVIDENCE REVIEW.
Jason Fogler, Boston Children’s Hospital

11:00 CONTROLLED TRIAL OF LOVASTATIN AND LANGUAGE INTERVENTION
IN CHILDREN WITH FRAGILE X SYNDROME.
RJ Hagerman, A Thurman, K Kim and L Abbeduto, Sacramento, CA. University of
California Davis (WSPR)
Abstract 292

11:15 DEVELOPMENTAL DELAY AND PSYCHIATRIC ISSUES IN AN UNDER-
STIMULATED DEAF CHILD.
NM Shah, Loma Linda, CA. Loma Linda University
Abstract 293

11:30 CROSSFIT KAMP: AN INTERVENTION TO IMPROVE PEER
RELATIONSHIPS AND EXERCISE CAPACITY IN CHILDREN WITH AUTISM
SPECTRUM DISORDER.
P Kaluzhny, Sacramento, CA. University of California Davis (WSPR)
Abstract 294

11:45 A GENDER BIAS CURRICULUM: EMPOWERING OUR LEARNERS IN THE
#METOO ERA.
K Roberts, N Yim and A Hayton, Loma Linda, CA. Loma Linda University School of
Medicine
Abstract 295

12:00 SIMULATION TRAINING WITH STANDARDIZED PATIENT VERSUS HIGH-
FIDELITY MANIKIN INCREASES ACTIVE LEARNING FOR MEDICAL
STUDENTS.
SS Kwon, R Krause and A Hayton, Loma Linda, CA. Loma Linda University School of
Medicine
Abstract 296

12:15 THE ASSOCIATION BETWEEN SOCIAL MEDIA USE AND THE
DEVELOPMENT OF DISORDERED EATING: A CLOSER LOOK AT THE
LITERATURE.
CM Hidalgo, V Simhambhatla, F Afzal, P Raj, A Patel, A Saha and B Afghani, San Diego, CA; Irvine, CA; Orange, CA. *University of San Diego UC Irvine School of Medicine*

Abstract 297

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**Community Health**
Promenade Lobby (Sunset Center)
*Maralyssa Bann, Presiding*

**10:15 ADVERSE CHILDHOOD EXPERIENCES AND POVERTY: COLLABORATIVE PARTNERSHIPS TO IMPROVE SELF-EFFICACY AND RESILIENCE IN IMPOVERISHED MINORITY YOUTH.**
*M Cabada, D Lee, C Casillas, M Chavez, K Colwell and R Kinman, Fresno, CA. Fresno High School*

Abstract 298

**10:30 HOMELESS TO HOUSED: HOW DOES STABLE HOUSING AFFECT HEALTHCARE UTILIZATION AND PERCEPTIONS IN RESIDENTS OF THE FORGET-ME-NOT MANOR, A HOUSING FIRST PROGRAM IN JUNEAU ALASKA.**
*N Ord and R Urata, Seattle, AK. University of Washington*

Abstract 299

**10:45 A NOVEL PROGRAM AT THE SCIENCE MUSEUM TO INCREASE THE INTEREST AND KNOWLEDGE OF A DIVERSE POPULATION OF YOUTH TOWARDS HEALTHCARE.**
*JS Chang, D Leung, C Stockford, M Ly, A Shin and B Afghani, Los Angeles, CA; Irvine, CA; Orange, CA. University of Southern California UC Irvine School of Medicine*

Abstract 300
11:00 PRENATAL VACCINE AWARENESS AMONG PREGNANT WOMEN AND PARTNERS.
YY Razi, KE Patapoff, AF Schiller, M Mellon, AL Nelson and H Stohl, Pomona, CA; Lebanon, OR; Torrance, CA; Los Angeles, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

11:15 AN ASSESSMENT TO REDUCE SMOKING DURING PREGNANCY IN PARK COUNTY, WYOMING.
A Golden, Seattle, WA. University of Washington School of Medicine (WSMRF)

11:30 SUPPORTING SAFE AND SUSTAINABLE EMPLOYMENT AMONG RESIDENTS IN PROTECTED HOMES FOR PEOPLE WITH SERIOUS MENTAL ILLNESS IN IQUITOS, PERU.
A Larson, Seattle, WA. University of Washington

11:45 COMMUNITY-BASED STRATEGIES TO REDUCE DIABETES INCIDENCE THROUGH EDUCATIONAL GARDENING IN GRAND COULEE, WASHINGTON.
E Kershaw, Spokane, WA. University of Washington

12:00 CORRELATION BETWEEN PARENTAL MEAL PLANNING HABITS AND CHILDHOOD OBESITY.
J Moon, G Suarez, G Browne, D Wagner, R Denny, E Medina and M Baum, Loma Linda, CA. Loma Linda University

12:15 BARRIERS TO HEALTHCARE IN STUDENTS ON AN INDIVIDUALIZED EDUCATION PLAN IN RURAL OREGON.
HR Cannon, B Winfield, A Sainz, JH Nelson, RB Cannon and E Guenther, Lebanon, OR. Western University of Health Sciences

12:00 pm – 1:30 pm Lunch available on-site for nominal charge
Food Truck in Sunset Center Parking Lot
Serving Mexican Fare

12:30 pm – 1:30 pm Investigator Workshop
(This talk is aimed at Jr. faculty and fellows, but students and trainees also welcome to attend) – Lunch served for $10
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Melanie Cree-Green
University of Colorado Anschutz and Children’s Hospital
Sunset Center – Green Room

1:00 pm – 1:30 pm Coffee and Dessert Buffet
Carmel Women’s Club
10:15 SUSTAINED IMPACT OF A BRONCHIOLITIS HOME OXYGEN THERAPY CARE PROCESS MODEL.
T Ohlsen, A Knudson, K Korgenski, M Hoffman, DR Sandweiss, T Glasgow and E Coon, Salt Lake City, UT. University of Utah School of Medicine

10:30 IMPROVING TRANSITION HOME FROM THE NEONATAL INTENSIVE CARE UNIT USING A DISCRETE CHOICE EXPERIMENT: THE CLINICIAN PERSPECTIVE.
C Gong, P Friedlich, L Yieh and A Lakshmanan, Los Angeles, CA. Children's Hospital of Los Angeles University of Southern California (WAP/WSCI Travel Award Winner) (WSPR)

10:45 READMESSION RISK FACTORS AFTER HOSPITALIZATION FOR PNEUMONIA IN DIABETIC ADULTS.
M Yu and A Firek, Loma Linda, CA; Moreno Valley, CA. Loma Linda University (WSMRF)

11:00 TIMING OF ADDICTION CONSULTATION IN HOSPITALIZED PATIENTS STARTING BUPRENORPHINE.
H Sandhu, J Takagi-Stewart, JI Tsui, E Bhatraju, JO Merrill, M Iles-Shih and JW Klein, Seattle, WA. University of Washington (WSMRF)

11:15 DEEP LEARNING CLASSIFICATION OF PROSTATE MRI SEQUENCES.
P Bhattar, M Bardis, C Chahine, A Ushinsky, D Fujimoto, WA Grant, P Chang and R Houshyar, Orange, CA; St. Louis, MO. University of California Irvine Medical Center (WSMRF)

11:30 CRANIAL COMPUTED TOMOGRAPHY UTILIZATION AND PECARN COMPLIANCE AMONG PEDIATRIC HEAD TRAUMA PATIENTS.
C Chan and C Vercio, Loma Linda, CA. Loma Linda University

11:45 COMPARISON OF COMPUTER AND FACE TO FACE DELIVERY OF THE SPORT CONCUSSION ASSESSMENT TOOL SYMPTOMS.
L Cone, P Holmberg, S Olmon, C Owens, K Davis and L Kelly, Pomona, CA; Thousand Oaks, CA. Western University of Health Science, College of Osteopathic Medicine of the
12:00 THE ROLE OF DO NOT ATTEMPT RESUSCITATION DIRECTIVES IN TREATMENT OF PATIENTS WITH OUT-OF-HOSPITAL CARDIAC ARREST. 
R Winchell, J Blackwood, CR Counts, C Drucker, A Jennerich, K Pompeo, J Waldron, S Feder, T Rea, M Eisenberg, M Sayre and P Kudenchuk, Seattle, WA; Shoreline, WA. University of Washington

12:15 COEXISTING CHRONIC DISEASE INCREASES THE RISK OF MISCLASSIFICATION OF TYPE 1 DIABETES. 
E Choi, F Qeadan and MR Burge, Albuquerque, NM; Salt Lake City, UT. University of New Mexico HSC (WAFMR/WAP/WSCI Student Subspecialty Award)

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Hematology and Oncology II
Carpenter Hall
Thomas Deloughery, Presiding

10:15 FUSION-NEGATIVE ONCOGENES RESCUE FUSION-POSITIVE RHABDOMYOSARCOMA FROM GATOR2 DEPENDENCE.
DA Fajardo and AJ Sabnis, Reno, NV; San Francisco, CA. University of Nevada, Reno School of Medicine

10:30 EXPLORING T2-FLAIR MISMATCH AMONG IDH-MUTANT ASTROCYTOMAS: PATTERNS OF EVOLUTION AND FURTHER CHARACTERIZATION.
J Graber and P Throckmorton, Seattle, WA. University of Washington School of Medicine
10:45 EPHRINB2 AND EPHB4 MODULATES INVASION AND PROLIFERATION PATHWAYS IN GLIOBLASTOMA MULTIFORME.  
S Bhatia, S Bukkapatnam and S Karam, Aurora, CO. University of Colorado School of Medicine (WSMRF)  

Abstract 318

11:00 CYTOKINE AND GROWTH FACTOR PROFILING FOR THE DIFFERENTIATION OF MULTIPLE MYELOMA PATIENTS FROM THOSE WITH MONOCLONAL GAMMOPATHY OF UNKNOWN SIGNIFICANCE.  
TB Martins, D Atanackovic, T Luetkens, D Banerjee and HR Hill, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology  

Abstract 319

11:15 THE EFFECT OF PREVIOUS CHEMOTHERAPY TREATMENT ON OVARIAN FOLLICLE COUNT IN OVARIAN TISSUE CRYOPRESERVED FOR FERTILITY PRESERVATION.  
AS Robles, K Lakhoo and S Lane, Reno, NV; Oxford, United Kingdom. University of Nevada Reno School of Medicine University of Oxford  

Abstract 320

11:30 NATURAL COMPOUND ARCTIGENIN EXERTS ANTICANCER STEM CELL PHENOTYPE THROUGH WNT SIGNALING INHIBITION.  
E Karapetyan, Willowbrook, CA. Charles R. Drew University of Medicine and Science  

Abstract 321

11:45 USE OF AROMATHERAPY AS A COMPLEMENTARY THERAPY IN ALLEVIATING CHEMOTHERAPY RELATED ADVERSE EFFECTS IN CANCER PATIENTS.  
Jl Williams, I Bade, S Arora, M Ell, G Shen, S Udata and B Afghani, Los Angeles, CA; Irvine, CA; Orange, CA. University of Southern California University of California Irvine  

Abstract 322

12:00 ONLINE HEPATOCELLULAR CARCINOMA PATIENT RESOURCES – MEANINGFUL IMPACT OR POOR “DE-LIVERY”?  
J Li, J McLeod and P Ingledew, Edmonton, Alberta, Canada; Vancouver, BC, Canada. UBC Faculty of Medicine (WSMRF)  

Abstract 323

12:15 A RARE CASE OF ABDOMINAL PAIN: RELATED TO IDIOPATHIC LEFT OVARIAN VEIN THROMBOSIS.  
G Petersen, M Kalluri and N Trang, Bakersfield, CA; Los Angeles, CA. Kern Medical (WAFMR)  

Abstract 324

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Melanie Cree-Green
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1:00 pm – 1:30 pm  
Coffee and Dessert Buffet
Carmel Women’s Club

1:30 pm – 3:45 pm  
Joint Plenary Session
WAFMR, WAP, WSCI, WSMRF, WSPR
Carmel Women’s Club

Infectious Diseases II
Carmel Women's Club
Fred Buckner and Arash Heidari, Presiding

10:15 MEASLES VACCINE RESPONSE VARIES IN 12-MONTH-OLD KENYAN CHILDREN WHICH MAY INCREASE MEASLES TRANSMISSION.
DS Mason and R Rochford, Aurora, CO. University of Colorado School of Medicine
Abstract 325

10:30 INCORPORATING ZINC OXIDE NANO PARTICLES IN CONTACT LENS MATERIAL TO IMPROVE BIOCOMPATABILITY.
G Davis, A Gapeeva, T Cho, F Spors and S Fuchs, Pomona, CA; Kiel, Germany. Western University of Health Sciences
Abstract 326

10:45 ASSESSMENT OF MUTANT STAPHYLO COCCUS AUREUS AND MRSA STRAINS FOR DRUG LEAD OPTIMIZATION.
AC Lazarski, N Molasky, JR Gillespie and F Buckner, El Paso, TX; Seattle, WA. The University of Texas at El Paso
Abstract 327

11:00 PALMITIC ACID POTENTIATES MYCOBACTERIAL GROWTH IN MACROPHAGES.
S Schwarz, A Reynolds, AD Gaustein, GJ Peterson, JD Simmons and TR Hawn, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 328

11:15 VARICELLA ZOSTER VIRUS OPEN READING FRAME 9 DOMINATES SKIN TISSUE-RESIDENT MEMORY CD8 T CELL RESPONSE AFTER ZOSTER.
MS Elder Waters, VL Campbell, K Basu, S Mortazavi, R Tu, K Laing, C Johnston and DM Koelle, Seattle, WA. University of Washington
Abstract 329

11:30 CHARACTERIZING CLINICAL MANIFESTATIONS OF CONGENITAL ZIKA SYNDROME IN NON-MICROCEPHALIC INFANTS.
JS Cranston, SF Tiene, K Nielsen-Saines, M Moreira, Z Vasconcelos and A Da Costa, Los Angeles, CA; Rio de Janeiro, Brazil. David Geffen School of Medicine
Abstract 330
11:45 EARLY PREDICTORS OF NEURODEVELOPMENT IN INFANTS ANTENATALLY EXPOSED TO ZIKA.
SF Tiene, JS Cranston, K Nielsen-Saines, M Moreira, Z Vasconcelos and A Da Costa, Los Angeles, CA; Rio de Janeiro, Brazil. David Geffen School of Medicine

12:00 THE USE OF CEFTAROLINE IN THE TREATMENT OF PEDIATRIC INFECTIONS WITH A FOCUS ON METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (MRSA): A LITERATURE REVIEW.
R Chow, Z Bustami, S Afzal, R Durvasula, S Madireddy, T Gupta and B Afghani, Riverside, CA; Irvine, CA; Orange, CA. University of California, Riverside School of Medicine UC Irvine School of Medicine

12:15 CINEMATIC PORTRAYAL OF INFECTIOUS DISEASES.
W Yu, B Holbrook and W Dehority, Albuquerque, NM. University of New Mexico

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Morphogenesis and Malformations
Rehearsal Room (Sunset Center)
Bianca Russell and Dave Viskochil, Presiding

10:15 VARIANTS IN QRICH1- A NEW NEURODEVELOPMENTAL SYNDROME WITH VARIABLE HYPERMOBILITY, LEG PAIN, CONGENITAL HEART DISEASE AND MILD DYSMORPHIC FEATURES- REPORT OF A NEW PATIENT.
CJ Curry and L Higa, Fresno, CA. UCSF Fresno
10:30  **WSPR Prolacta Bioscience Morphogenesis and Malformations State-of-the-Art Lecture:**
**BIOLOGIC INSIGHTS FROM PATIENTS WITH RARE GENE SEQUENCE VARIANTS.**
Kenjiro Kosaki, *Keio University*

11:00  **PDGFRB-RELATED OVERGROWTH SYNDROME WITH ANEURYSM: A SECOND EXAMPLE.**
*J Chenbhanich, S Hetts, D Cooke, C Dowd, P Devine, I Yeh, I Frieden and J Shieh, San Francisco, CA. UCSF (WSPR Mead Johnson Travel Award Winner)*

11:15  **IDENTIFICATION OF NOVEL CANDIDATE RISK GENES FOR MYELOMENINGOCELE WITHIN THE GLUCOSE HOMEOSTASIS AND FOLATE AND ONE CARBON METABOLISM NETWORKS.**
*C Baker, P Hillman, L Hebert, J Hixson, A Ashley-Koch, H Northrup and K Au, Stanford, CA; Houston, TX; Durham, NC. Stanford University*

11:30  **WNT16 REGULATES VERTEBRAL SIZE AND PATTERNING DURING ZEBRAFISH DEVELOPMENT.**
*AR Cronrath, Y Hsu, RY Kwon and CJ Watson, Boston, MA; Seattle, WA. University of Washington (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*

11:45  **CHEDDA SYNDROME: A CASE REPORT AND REVIEW.**
*RD Clark and S Ramanathan, Loma Linda, CA. Loma Linda University School of Medicine*

12:00  **MONOZYGOTIC TWINS DISCORDANT FOR CRANIAL DYSINNERVATION DISORDER: EVIDENCE OF VASCULAR DISRUPTION.**
*CG Tise, C DeFilippo, MR Ruzhnikov and D Stevenson, Stanford, CA; Sacramento, CA. Stanford University (AFMR Henry Christian Award) (WSPR)*

| 12:00 pm – 1:30 pm | Lunch available on-site for nominal charge  
Food Truck in Sunset Center Parking Lot  
Serving Mexican Fare |
|-------------------|--------------------------------------------------------------------|
| 12:30 pm – 1:30 pm | **Investigator Workshop**  
*(This talk is aimed at Jr. faculty and fellows, but students and trainees also welcome to attend) – Lunch served for $10*  
Developing peer mentorship networks to enhance work and life success  
Melanie Cree-Green  
*University of Colorado Anschutz and Children’s Hospital  
Sunset Center – Green Room* |
1:00 pm – 1:30 pm  
Coffee and Dessert Buffet  
*Carmel Women’s Club*

1:30 pm – 3:45 pm  
Joint Plenary Session  
**WAFMR, WAP, WSCI, WSMRF, WSPR**  
*Carmel Women’s Club*

**Neonatology General IV**  
All Saints Church, Seccombe Hall  
*Kalpashri Kesavan and Catherine Rottkamp, Presiding*

**10:15** GROWTH TRENDS OF OVER 2500 PREMATURE INFANTS FROM BIRTH TO EIGHT YEARS.  
*J Barnard, S Salzedo, A Wells and J Ryu, San Diego, CA. Rady Children's Hospital San Diego, University of California, San Diego*  
Abstract 340

**10:30** OPTIMAL GROWTH IN PRETERM INFANTS.  
*H Lee, R Cohen and S Joaquino, Stanford, CA; Berkeley, CA. Stanford University*  
Abstract 341

**10:45** THE EFFECT OF AN IV COMPOSITE LIPID ON POLYUNSATURATED FATTY ACIDS IN NEONATES.  
*E Kim, S Govardhan, N Li and KL Calkins, Los Angeles, CA. University of California, Los Angeles (WSPR Prolacta Bioscience Resident Research Travel Award)*  
Abstract 342

**11:00** Inaugural Vedang Londhe Memorial State-of-the-Art Lecture:  
HUMAN MILK OLIGOSACCHARIDES: MATERNAL DRIVERS AND INFANT OUTCOMES.  
*Lars Bode, UC San Diego*

**11:30** BIOCHEMICAL DIFFERENCES IN PRETERM INFANTS LESS THAN 1250 GRAMS AT BIRTH FED HUMAN MILK WITH HUMAN MILK BASED FORTIFIER VERSUS BOVINE BASED FORTIFIED HUMAN MILK.  
*M Chang, L Barton, T Lin, R Ramanathan and R Cayabyab, Los Angeles, CA; Long Beach, CA. LAC+USC Medical Center, Keck School of Medicine, University of Southern California (WSPR)*  
Abstract 343

**11:45** INTRAUTERINE GROWTH RESTRICTION AND LIVER DYSFUNCTION IN SMALL FOR GESTATIONAL AGE INFANTS.  
*MG Dominguez Garcia, SR Sardesai, M Durand and R Ramanathan, Los Angeles, CA. LAC+USC Medical Center*  
Abstract 344

**12:00** TREATMENT WITH LANSOPRAZOLE IMPROVES PREGNANCY OUTCOME IN MICE.  
*S Iwatani, BL Le, CM Konecny, D Vijayakumar, RT Wong, M Sirota, RJ Wong and DK Stevenson, Stanford, CA; San Francisco, CA. Stanford University School of Medicine*
12:15 OUTCOMES OF LIGATION VERSUS CATHETER OCCLUSION IN VERY LOW BIRTHWEIGHT INFANTS.
_T Rauser, A Marshall, P Agrawal, P Jung, K Rawson, BM Gordon and D Deming, Loma Linda, CA. Loma Linda University School of Medicine_

| 12:00 pm – 1:30 pm | Lunch available on-site for nominal charge  
Food Truck in Sunset Center Parking Lot  
Serving Mexican Fare |
| 12:30 pm – 1:30 pm | Investigator Workshop  
(This talk is aimed at Jr. faculty and fellows, but students and trainees also welcome to attend) – Lunch served for $10)  
Developing peer mentorship networks to enhance work and life success  
Melanie Cree-Green  
_University of Colorado Anschutz and Children’s Hospital_  
_Sunset Center – Green Room_
| 1:00 pm – 1:30 pm | Coffee and Dessert Buffet  
_Carmel Women’s Club_
| 1:30 pm – 3:45 pm | Joint Plenary Session  
_WAFMR, WAP, WSCI, WSMRF, WSPR_  
_Carmel Women’s Club_

**Nephrology and Hypertension**  
Green Room (Sunset Center)  
_Charles Edelstein and Stanley C. Jordan, Presiding_

10:15 ASSESSING SAFETY AND EFFICACY OF C1 ESTERASE INHIBITOR FOR PREVENTION OF DELAYED GRAFT FUNCTION IN DECEASED DONOR KIDNEY TRANSPLANT RECIPIENTS.
_E Huang, A Vo, N Ammerman, J Choi, K Lim, S Sethi, I Kim, S Kumar, R Najjar and SC Jordan, West Hollywood, CA. Cedars-Sinai Medical Center (WAP)_

10:30 ADVANCED CHRONIC KIDNEY DISEASE IS ASSOCIATED WITH HIGHER AND NOT LOWER INSULIN USE.
_D Grube, S Beddhu and R Boucher, Seattle, WA; Salt Lake City, UT. University of Washington (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)_

10:45 DIETARY SODIUM RESTRICTION LOWERS A URINARY BIOMARKER OF KIDNEY TUBULAR DAMAGE IN ADULTS WITH MODERATELY ELEVATED SYSTOLIC BLOOD PRESSURE FREE FROM CHRONIC KIDNEY DISEASE.
_W Wang, M Chonchol, D Seals and K Nowak, Aurora, CO; Boulder, CO. University of Colorado Anschutz Medical Campus (WAP/WSCI Travel Award Winner)_
11:00 COMPENSATORY RENAL GROWTH PREDICTS OUTCOME IN CHILDREN WITH A SOLITARY FUNCTIONING KIDNEY.
E Chan, T Po White, M Catapang, E Matsell, D Cojocaru, R Humphreys, C Mammen and D Matsell, Vancouver, BC, Canada. University of British Columbia

Abstract 350

11:15 EFFECT OF SHAM SURGERY AND UNILATERAL NEPHRECTOMY ON AUTOPHAGIC FLUX IN KIDNEY AND HEART.
C Edelstein, S Holditch and N Brown, Aurora, CO. University of Colorado Anschutz

Abstract 351

11:30 CHRONIC KIDNEY DISEASE (CKD) PREVALENCE AND GLOMERULAR FILTRATION RATE (GFR) TRENDS IN CHILDREN WITH TYPE 1 DIABETES (T1D).
K Favel, C Panagiotopoulos and C Mammen, Vancouver, BC, Canada. University of British Columbia

Abstract 352

11:45 ACUTE INTERSTITIAL NEPHRITIS A RARE AND UNUSUAL SIDE EFFECT OF OMAZLUMAB.
R Yang, L Moosavi, S Eppanapally, A Aboeed and A Munoz, Cupecoy, Sint Maarten Bakersfield, CA. American University of the Caribbean

Abstract 353

12:00 ENCAPSULATING PERITONEAL SCLEROSIS A LATE COMPLICATION OF PERITONEAL DIALYSIS.
A Shah, N Idemudia and S Eppanapally, Bakersfield, CA. Kern Medical - UCLA

Abstract 354

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10:15 PROGNOSTIC VALUE OF THE UCSD PERFORMANCE-BASED SKILLS ASSESSMENT FOR COGNITIVE DECLINE IN PARKINSON’S DISEASE.
I Trang, AE Simpson, LD Medina, BM Kluger and SK Holden, Aurora, CO; Houston, TX. University of Colorado Anschutz Medical Campus

10:30 ANNUALIZED RATE OF CORTICAL CHANGE IN FIRST EPISODE PSYCHOSIS.
K Dhaliwal, P Lizano, O Lutz and M Keshavan, Pomona, CA; Boston, MA. Western University of Health Sciences Beth Israel Deaconess Medical Center (WAFMR/WAP/WSCI Student Subspecialty Award)

10:45 PHENOTYPIC HETEROGENEITY IN AMYOTROPHIC LATERAL SCLEROSIS: A POTENTIAL EXPLANATION FOR THERAPEUTIC FAILURE.
K Denson, Augusta, GA. Medical College of Georgia (WSMRF)

11:00 PATIENT DEMOGRAPHICS AND DISEASES CHARACTERISTICS PREDICT LIKELIHOOD OF IMPROVEMENT ON PATIENT-REPORTED OUTCOME MEASURES IN MULTIPLE SCLEROSIS.
JB Leary, S Sillau, BL Vollmer, K Nair and TL Vollmer, Aurora, CO. University of Colorado Health Sciences Center

11:15 EXPLORING RELATIONSHIPS BETWEEN NEURAL ACTIVATION AND THE AUTOMATICITY OF POSTURAL CONTROL.
EI Bent and SM Monfort, Bozeman, MT; Seattle, WA. University of Washington School of Medicine Montana State University (WSMRF)

11:30 A RARE CASE OF UNILATERAL MYELITIS IN A 69 YEAR OLD FEMALE: A CASE REPORT.
Y Jiao, MA Arias, R Shah, VPodduturu and D Huang, Houston, TX; Chico, CA; Las Cruces, NM. Burrell College of Osteopathic Medicine

11:45 ROLE OF OPIOIDS AND CANNABINOIDS IN A MURINE MODEL OF BONE FRACTURE.
AL Thompson, JR Contreras, J Sorenson, AC Lane and T Vanderah, Tucson, AZ. University of Arizona College of Medicine
12:00 LEARNING ACCELERATES MICROGLIA REPOPULATION AFTER ELIMINATION BY PLX5622 TREATMENT.
*MR Abuelaifiya and M Zhou, Pomona, CA. Western University of Health Sciences (WSMRF)*

Abstract 362

12:15 DISEASE-SPECIFIC VALIDATION OF THE UTAH PHOTOPHOBIA SYMPTOM IMPACT SCALE IN MIGRAINE SUBJECTS.
*AM Knudson, M Cortez, L Millsap, K Digre and B Katz, Salt Lake City, UT. University of Utah School of Medicine*

Abstract 363

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Surgery IV
Conductor's Room
Subhas Gupta, Presiding

10:15 MISSED CHEMOPROPHYLAXIS DOSES MATTER: A MULTICENTER ANALYSIS OF VENOUS THROMBOEMBOLISM CHEMOPROPHYLAXIS IN TRAUMATIC BRAIN INJURY PATIENTS.
*T Zangara, J Coleman, H Carmichael, A Suaaia, E Moore, J Dunn, T Schroeppel, E Campion, M Goodman, M Floren and L Ferrigno, Aurora, CO; Denver, CO; Loveland, CO; Colorado Springs, CO; Cincinnati, OH; Dallas, PA. University of Colorado School of Medicine (WSMRF)*

Abstract 364

10:30 QUANTIFICATION OF BONE VISCOELASTICITY WITH LAG SCREW IN HINDFOOT ARTHRODESIS.
*BW Johnson, A Rugg, M Requist, A Alvarez, M Son and L Latt, Tucson, AZ. The University of Arizona*

Abstract 365
PROVIDONE-IODINE DOES NOT AFFECT ACELLULAR DERMAL MATRIX INTEGRATION IN PATIENTS UNDERGOING TWO-STAGED, PREPECTORAL, BREAST RECONSTRUCTIVE SURGERY.

E O’Rorke, RM Gold, M Pfaffenberger, L Eldenburg, T Storm-Dickerson and A Gabriel, Spokane, WA; Loma Linda, CA; Vancouver, WA. Elson S. Floyd College of Medicine (WSMRF)

Abstract 366

BACK (DOOR) TO THE FUTURE: DORSAL LUMBOTOMY FOR PEDIATRIC UPPER POLE HEMI-NEPHRECTOMY.

A Roshan and AE MacNeily, Vancouver, BC, Canada. University of British Columbia

Abstract 367

INCIDENCE OF PNEUMOTHORAX AS A COMPLICATION OF BREAST SURGERY.

AG Kulinich, JR Mark, J Osborn and LL Pu, Sacramento, CA. University of California Davis School of Medicine

Abstract 368

HOW GOOD IS THE MUSTARDE OTOPLASTY?

M Boroditsky, A Van Slyke and JS Arneja, Vancouver, BC, Canada. University of British Columbia

Abstract 369

A COMPLEX INTERPROFESSIONAL SIMULATION SCENARIO OF NECK MASS WITH CRITICAL AIRWAY OBSTRUCTION.


Abstract 370

DUAL-PLANEST VERSUS PREPECTORAL BREAST RECONSTRUCTION IN HIGH BMI PATIENTS.

RM Gold, E O’Rorke, M Pfaffenberger, L Eldenburg, T Storm-Dickerson and A Gabriel, Spokane, WA; Loma Linda, CA; Vancouver, WA. Elson S. Floyd College of Medicine (WSMRF)

Abstract 371

BOTH THE GUIDEWIRE AND STENT SELECTED INFLUENCE THE ABILITY TO BYPASS AN IMPACTED URETERAL STONE.

J Hutton, AS Amasyali, J Groegler, J Maldonado, R Belay, L Burke, N Brown and D Baldwin, Loma Linda, CA. Loma Linda University

Abstract 372

12:00 pm – 1:30 pm | Lunch available on-site for nominal charge
Food Truck in Sunset Center Parking Lot
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12:30 pm – 1:30 pm | Investigator Workshop
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**Developing peer mentorship networks to enhance work and life success**

Melanie Cree-Green

*University of Colorado Anschutz and Children’s Hospital*

*Sunset Center – Green Room*
JOINT PLENARY SESSION
1:00-1:30 PM - Coffee and Dessert Buffet

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 24, 2020
1:30 PM – 3:45 PM

Fred Buckner, Everardo Cobos, and Dave Viskochil, Presiding

1:30 WAP/WSCI MAYO SOLEY AWARD
 Presenter: Irene Kim, Cedars Sinai Medical Center
 Recipient: Stanley Jordan, Cedars Sinai Medical Center

1:45 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD
 NEURODEVELOPMENTAL OUTCOMES OF PRETERM INFANTS WHO RECEIVED A BLOOD TRANSFUSION.
TG Lum, J Sugar, D Poeltler and A Katheria, Pomona, CA; San Diego, CA. Western University of Health Sciences, Sharp Mary Birch Hospital for Women and Newborns
Abstract 373

2:00 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD
A NEW HOUR-SPECIFIC SERUM BILIRUBIN NOMOGRAM CONSTRUCTED WITH DATA FROM 400,000 NEONATES.
TM Bahr, ER Henry, RD Christensen, SD Minton and VK Bhutani, Murray, UT; Salt Lake City, UT; Stanford, CA. University of Utah Health
Abstract 374

2:15 WAFMR OUTSTANDING INVESTIGATOR AWARD
TELEHEALTH DIAGNOSES OF AUTISM SPECTRUM DISORDER IN TODDLERS.
M Butsch, M Aites, T Cartisano, D Roy, B Jordan, E Flake and D Tolson, Joint Base Lewis Mcchord, WA; Fairbanks, AK. Madigan Army Medical Center
Abstract 375

2:30 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
GENOME EDITING ENABLES THE DEVELOPMENT OF BLOOD-BASED THERAPIES FOR NEUROLOGICAL AND COMPLEX MULTI-SYSTEMIC DISEASES: PROOF OF CONCEPT STUDIES IN LYSOSOMAL STORAGE DISORDERS.
Natalia Gomez Ospina, Stanford University
3:00  WSPR ABBOTT NUTRITION STANLEY WRIGHT MEMORIAL LECTURE
THE UNDIAGNOSED DISEASES PROGRAM AND NETWORK FOR
DIAGNOSIS IN CHILDREN AND ADULTS
William Gahl, National Institute of Health

3:30  WSPR ST. GEME EDUCATOR AWARD
Cynthia Curry, UCSF Fresno

3:45  ADJOURN

3:45  WSPR BUSINESS MEETING

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| 5:15 pm – 6:15 pm | David Rimoin Lectureship  
Rare Diseases and the Genesis of the Undiagnosed Diseases Network  
William Gahl, National Institute of Health  
Sunset Center – Carpenter Hall |
| 5:30 pm – 7:30 pm | WAP/WSCI Council Meeting  
(by invitation only)  
Cantinetta Luca - Wine Room  
Dolores St. and Ocean Ave. |
| 6:00 pm – 7:00 pm | WSPR Mead Johnson Nutrition Junior Faculty Travel Award Reception &  
Western Perinatal Club Reception  
Open to all WSPR, AAP, and CAN Members and Guests  
Il Fornaio, Pine Inn Hotel |
| 6:15 pm – 7:15 pm | Dysmorphology Club  
Supported by Abbott Nutrition  
Sunset Center – Carpenter Hall |
| 7:00 pm – 8:00 pm | Western Perinatal Club Briefing  
Sponsored by the Perinatal Sections of AAP Districts VIII and IX, the CAN, and Mead Johnson Nutrition  
What's New in Neonatal Hematology?  
Robert Christensen, University of Utah  
Il Fornaio, Pine Inn Hotel |
Behavior and Development II
Chapman #4 (Sunset Center)
Allison G. Dempsey, Presiding

8:00  MOTOR AND COGNITIVE DEVELOPMENTAL SCORES IN OFFSPRING OF PREGNANT SMOKERS AT 12 MONTHS OF AGE.
T Batish, K Milner, J Harris, A Vu, S Saxton, C Morris and C McEvoy, Portland, OR. Oregon Health & Sciences University (WSPR Abbott Nutrition Subspecialty Award)
Abstract 376

8:15  THE IMPACT OF TELE-BEHAVIORAL HEALTH IN RURAL AMERICAN INDIAN COMMUNITIES.
S Yang, MK Lieng, J Mouzoon, I Sigal, JP Marcin, M Pakyurek, B Restrepo, JS Hoch and PM Yellowlees, Sacramento, CA. University of California Health System
Abstract 377

8:30  PRIMARY CARE SCREENING PRACTICES FOR LEARNING DISABILITIES.
S Jonnalagadda, R Boada and A Talmi, Aurora, CO. Children’s Hospital Colorado University of Colorado School of Medicine
Abstract 378

8:45  DEVELOPING TEAM NEMO: RESTRUCTURING THE HIGH-RISK INFANT FOLLOW UP (HRIF) CLINIC FOR THE IMPLEMENTATION OF EVIDENCE-BASED GUIDELINES FOR EARLY DIAGNOSIS OF CEREBRAL PALSY (CP).
S Iyer, K Jiang, S Espinosa and K Kesavan, Los Angeles, CA. UCLA
Abstract 379
9:00 PRIMARY CARE MANAGEMENT OF ATTENTION-DEFICIT/HYPERACTIVITY DISORDER IN CHILDREN AGED 2 - 5 YEARS.
Y Bannett, HM Feldman, RM Gardner, O Blaha and LC Huffman, Stanford, CA. Stanford University (Mead Johnson Nutrition Junior Faculty Travel Award)
Abstract 380

9:15 EARLY CHILDHOOD INTERVENTION SERVICES IN SEX CHROMOSOME ANEUPLOIDIES (SCA).
N Tartaglia, S Howell, S Davis and TG Thompson, Aurora, CO. University of Colorado (WSPR Mead Johnson Travel Award Winner)
Abstract 381

9:30 ETHNIC DISPARITIES IN REFERRALS AND SERVICES RECEIVED AFTER NICU FOLLOW-UP EVALUATIONS IN A SINGLE CENTER IN CALIFORNIA.
RD Rodriguez, Sacramento, CA. UC Davis MIND Institute (WSPR)
Abstract 382

9:45 VISION LOSS AND PSYCHOPATHOLOGY.
JR Mark, AG Kulinich, LM Scher and MJ Mannis, Sacramento, CA. UC Davis School of Medicine
Abstract 383

Break – 10:00 am – 10:15 am

Clinical Epidemiology and Health Disparities
Babcock #6 (Sunset Center)
Maralyssa Bann, Presiding

8:00 OUTCOMES IN PEDIATRIC GLAUCOMA.
C Kapoor, A Jiang and JD Brandt, Sacramento, CA. University of California, Davis, School of Medicine (WSMRF)
Abstract 384

8:15 EXCESS IODINE EXPOSURE: A CONTINUED RISK FOR SUBCLINICAL HYPTHYROIDISM IN INFANTS.
C Shin, R Lin, S Maddasani, H Zhang, A Zidan, S Chen, P Wu, A Goswami and B Afghani, La Jolla, CA; Irvine, CA; Orange, CA. UC San Diego UC Irvine, School of Medicine
Abstract 385

8:30 ENCOUNTERS WITH EMERGENCY MEDICAL SERVICES PRIOR TO FATAL OVERDOSE: AN OPPORTUNITY TO INTERVENE?
A Rollins, L Barnard, M Sadinle, R Harruff, CR Counts, T Rea and J Hood, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)
Abstract 386

8:45 EVALUATION OF DEPRESSION AND ANXIETY IN WOMEN WITH POLYCYSTIC OVARY SYNDROME BY PHYSICIAN TRAINEES.
SH Pakhdikian, Y Fernandez-Sweeny, F Dong and AL Nelson, Pomona, CA. Western
9:00 DOES INTENTION TO BREASTFEED AMONG EXCLUSIVE MARIJUANA USING MOTHERS DIFFER COMPARED WITH OTHER SUBSTANCE USERS?  
D Wanasinghe, S Shah, A Bamanikar, D Aboudi, S Mikkilineni, O Shyong, N Wu, C Giblin, T Lavan and H Brumberg, Valhalla, NY; New York, NY; Neptune, NJ; Erie, PA; Clinton, NY. Westchester Medical Center

9:15 RACE AND ETHNICITY MORE INFLUENTIAL THAN SOCIOECONOMIC STATUS FOR DETERMINING EXCLUSIVE BREASTFEEDING SUCCESS.  
A Dong, VP Walker, T Grogan and KL Calkins, Los Angeles, CA. University of California Los Angeles (WSMRF)

9:30 ED UTILIZATION VARIES BY RACE/ETHNICITY IN PREMATURE INFANTS.  
KL Karvonen, RJ Baer, L Jelliffe-Pawlowski and M Pantell, San Francisco, CA. UCSF

9:45 DO STANDARDIZED SCRIPTS IMPROVE INTERPRETER ACCEPTANCE BY SPANISH-SPEAKING FAMILIES?  
DS Ondusko, S Khaki, C Huun, J Krantz, L Garcia Godoy, A Johnson, C McEvoy and L Gievers, Portland, OR; Tacoma, WA. Oregon Health and Science University (WAP/WSCI Travel Award Winner)

Endocrinology and Metabolism III
Green Room (Sunset Center)  
Ricardo Correa and Mimi Kim, Presiding

8:00 PROMISCUOUS NFkB ACTIVATION INDUCES PANCREATIC B CELL DEATH FOLLOWING GENOTOXIC STRESS.  
S McKenna, R de Dios, L Nguyen, J Sandoval, P Rozance and C Wright, Aurora, CO. University of Colorado (WAFMR/WAP/WSCI Student Subspecialty Award)

8:15 PSYCHOLOGICAL TREATMENT RESOURCE USE IN PATIENTS WITH TYPE 1 DIABETES WHO ENDORSED DEPRESSIVE SYMPTOMS OR SUICIDAL IDEATION.  
KR Stanek, EM Youngkin and S Majidi, Aurora, CO. University of Colorado (WSMRF)

8:30 DIAGNOSIS OF NEONATAL DIABETES WITH RARE PDX1-MUTATION.  
J Persch, J Snider, A Kochhar and A Sharma, Fresno, CA; Madera, CA. UCSF Fresno
8:45  **State-of-the-Art Speaker:**
ENDOCRINOPATHIES DUE TO IMMUNE CHECKPOINT INHIBITORS: EVERYTHING THAT YOU NEED TO KNOW.
Ricardo Correa, *University of Arizona College of Medicine*

9:15  CHARACTERIZATION OF TWO FOUNDER LINES OF ALDOSE REDUCTASE KNOCKOUTS CREATED USING CRISPR/CAS9.
*B Pham, B Shieh, M Pedler and M Petrash, Aurora, CO. University of Colorado School of Medicine*

9:30  DO VERY LOW LEVELS OF LOW DENSITY LIPOPROTEIN CHOLESTEROL INHIBIT CORTISOL PRODUCTION IN TYPE 1 DIABETES?
*I Fallahi and DS Schade, Albuquerque, NM. University of New Mexico*

9:45  IMPAIRED CATABOLISM OF CALCITRIOL: A RARE CAUSE OF HYPERCALCEMIA AND CALCIPHYLAXIS.
*C Schmid, SC Fernandes and R Klein, Portland, OR. VA Portland Health Care System Oregon Health and Sciences University*

Abstract 395

**Break – 10:00 am – 10:15 am**

Genetics II
Rehearsal Room (Sunset Center)
*Aaina Kochhar and Angela Myers, Presiding*

8:00  **MYH7 FAMILIAL VARIANT IDENTIFIED BY ULTRA-RAPID WHOLE GENOME SEQUENCING IN A NEONATE: IMPLICATIONS ON MANAGEMENT AND FAMILY.**
*E Osborn, C DeFilippo, K Herman and SP Shankar, Sacramento, CA. University of California, Davis*

Abstract 398

8:15  **VCP INHIBITOR CB-5083: A POTENTIAL TREATMENT FOR VCP INCLUSION BODY MYOPATHY.**
*C Cheng, L Weiss, L Ta, T Ton, TA Do and V Kimonis, Irvine, CA. University of California, Irvine (WSPR Mead Johnson Travel Award Winner)*

Abstract 399

8:30  **FURTHER DELINEATING A RARE, YET CLINICALLY SIGNIFICANT FEATURE OF CROUZON SYNDROME WITH ACANTHOSIS NIGRICANS: ODONTOGENIC TUMORS.**
*R Gates, C Hale and D Matalon, Stanford, CA. Stanford University*

Abstract 400

8:45  **PATIENTS WITH GENETIC VARIANTS OF UNKNOWN SIGNIFICANCE FOR PRIMARY CILIARY DYSKINESIA: A CASE SERIES.**
*DC Corpus, PC Do and J Moua, Fresno, CA. UCSF-Fresno*
9:00  NEVUS COMEDONICUS SYNDROME: EXPANSION OF THE EXTRA-INTEGUMENTARY PHENOTYPE.
C Verscaj, N Dykzeul, D Chu and D Stevenson, Stanford, CA. Stanford University

Abstract 402

9:15  MITOCHONDRIAL COMPLEX III DEFICIENCY IN AN ADOLESCENT WITH TRISOMY 21.
C Vargas and C Sosa, Madera, CA. Valley Children's Hospital

Abstract 403

9:30  SKELETAL DYSPLASIAS: A STANDARDIZED PROTOCOL FOR PRENATAL DIAGNOSIS.
JA Morales, A Niemi, A Ness, D Krakow and L Hudgins, Stanford, CA; Los Angeles, CA; La Jolla, CA. Stanford University

Abstract 404

9:45  NOVEL FINDINGS IN A PLCB4-RELATED DISORDER: HYPERINSULINISM, VASOSPASM, AND CARDIAC HYPERTROPHY.
A Kumar, H Byers, L Hudgins, MA Deardorff and JA Bernstein, Palo Alto, CA; Philadelphia, PA. Stanford University (AFMR Henry Christian Award)

Abstract 405

Break – 10:00 am – 10:15 am

Global Health III
Conductor's Room
Jorge Nieva, Presiding

8:00  LONG-TERM FEASIBILITY, SUSTAINABILITY, AND COST-BENEFIT ANALYSIS OF REUSABLE MENSTRUAL HYGIENE MANAGEMENT PRODUCTS IN A POPULATION OF ADOLESCENT FEMALES IN A REMOTE HIMALAYAN COMMUNITY.

Abstract 406

8:15  IMPROVED MATERNAL IODINE STATUS DURING FIRST TRIMESTER GESTATION WITH PRECONCEPTION NUTRITION SUPPLEMENTATION: THE WOMEN FIRST MATERNAL PRECONCEPTION NUTRITION TRIAL.
A Young, J Kemp, C Uhlson, A Hendricks, J Westcott, S Ali, S Saleem, A Garces, L Figueroa, M Somannavar, S Goudar, M Hambidge and NF Krebs, Denver, CO; Karachi, Pakistan; Guatemala City, Guatemala; Karnataka, India. University of Colorado School of Medicine

Abstract 407

8:30  INCREASED DELIVERY SUPPORT FOLLOWING A SUSTAINABLE BIRTH CENTER PROGRAM IN A MOUNTAINOUS DISTRICT OF NEPAL.
JW Thomas, A Judkins, D Levy, A Sherpa and B Fassl, Salt Lake City, UT. University of
8:45  HILLS BEYOND HILLS; AN ANALYSIS OF HEALTH CONDITIONS IN NORTHERN HILL TRIBES OF THAILAND.
N Murthy and AC Bakshi, Pomona, CA. *Western University of Health Sciences*

9:00  ASSESSMENT OF THE SICKLE CELL DISEASE SCREENING PROGRAM IN THE INDIGENOUS THARU POPULATION IN NEPAL.
L Nakajima, I Dascalu, K Marchand, A Khaira, S Yu and R Xu, Vancouver, BC; Canada. *University of British Columbia*

9:15  IMPROVING COMMUNITY AWARENESS OF SICKLE CELL DISEASE THROUGH EDUCATIONAL MODULES IN THE INDIGENOUS THARU POPULATION OF NEPAL.
I Dascalu, L Nakajima, A Khaira, K Marchand, R Xu, S Yu and V Kapoor, Vancouver, Canada. *University of British Columbia (WAFMR/WAP/WSCI Student Subspecialty Award)*

9:30  HEALTH EDUCATION FOR PARENTS AND CAREGIVERS OF PEDIATRIC PATIENTS AT THE UGANDA CANCER INSTITUTE.
CA Bell, Seattle, WA. *University of Washington (WSMRF)*

9:45  HELPING BABIES BREATHE – AN EVALUATION OF PROGRAM EFFECTIVENESS IN RURAL GUJARAT, INDIA.
A Patil, A Judkins, B Fassl, LN Donovan, K Maves, MA Budge and A Beckstead, Salt Lake City, UT. *University of Utah*

Break – 10:00 am – 10:15 am

Neonatology General V
Carpenter Hall
*Shelley Lawrence and Krisa Van Meurs, Presiding*

8:00  IMPACT OF PROBIOTIC ADMINISTRATION IN PRETERM INFANTS.
S Iqbal, M Underwood and K Kuhn-Riordon, Sacramento, CA. *UC Davis Children's Hospital (WSPR)*

8:15  ANALYSIS OF NON-HUMAN PROTEINS/PEPTIDES IN HUMAN BREAST MILK BY MASS SPECTROMETRY.
SS Bai-Tong, K Luskin, M Ghassemian, J Kitsen, D Motazavi, K Bertrand, C Chambers, SL Leibel, S Leibel and B Geng, San Diego, CA. *University of California San Diego*
8:30  HUMAN BETA-DEFENSIN 2 ATTENUATES MALNUTRITION-INDUCED LUNG INJURY.
A Hanhauser, S Wedgwood and M Underwood, Sacramento, CA. University of California Davis

Abstract 416

8:45  GROWTH OUTCOMES IN PRETERM INFANTS LESS THAN 1250 GRAMS AT BIRTH FED HUMAN MILK WITH HUMAN MILK BASED FORTIFIER VERSUS BOVINE MILK BASED FORTIFIER.
M Chang, L Barton, T Lin, R Ramanathan and R CAYABYAB, Los Angeles, CA; Long Beach, CA. LAC+USC Medical Center, Keck School of Medicine, University of Southern California

Abstract 417

9:00  GROWTH FAILURE IN NEONATES WITH GASTROSCISIS.
K Strobel, K Kramer, E Fernandez, C Rottkamp, C Uy, T Romero, R Keller, F Poulain, D Deugarte and KL Calkins, Los Angeles, CA; San Francisco, CA; San Diego, CA; Sacramento, CA; Irvine, CA. UCLA (WSPR Prolacta Bioscience Fellow Research Travel Award)

Abstract 418

9:15  PATHOLOGICAL FETAL GROWTH RESTRICTION RESULTS IN REDUCTION IN LEAN MASS GROWTH THAT PERSISTS INTO THE NEONATAL PERIOD.
H Hesse, C Levek, A Wilcox, C Driver, J Steller, H Galan, J Hobbins and L Brown, Aurora, CO. University of Colorado

Abstract 419

9:30  RACIAL/ETHNIC AND REGIONAL DIFFERENCES IN PREVALENCE AND PREDICTORS OF MEDICAL COMPLEXITY AMONG A NATIONAL COHORT OF VLBW INFANTS.
KE Hannan, SL Bourque, C Levek, S Tong and S Hwang, Aurora, CO. University of Colorado

Abstract 420

9:45  UTILITY OF BIRTH CERTIFICATE DATA FOR EVALUATING HOSPITAL VARIATION IN ADMISSIONS TO NEONATAL INTENSIVE CARE UNITS.
E Haidari, H Lee, J Illuzzi, H Lin and X Xu, New Haven, CT; Stanford, CA. Stanford University (WSPR)

Abstract 421

Break – 10:00 am – 10:15 am

Neonatology - Perinatal Biology II
Studio 105 (Sunset Center)
Stephanie S. Chassen and Erica Mandell, Presiding

8:00  NFKB SIGNALING MEDIATES THE HEPATIC INNATE IMMUNE RESPONSE TO CHORIOAMNIONITIS IN LATE GESTATION FETAL SHEEP.
L Nguyen, M Zarate, E Chang, P Rozance, R Wilkening, S Wesolowski and C Wright,
8:15  **LATE GESTATION FETAL HYPERGLUCAGONEMIA RESULTS IN LOWER FETAL WEIGHT AND DECREASED UTEROPLACENTAL NUTRIENT UPTAKE.**  
S Cilvik, S Wesolowski, L Brown and P Rozance, Aurora, CO. University of Colorado Anschutz Medical Campus *(WAFMR)*  

8:30  **MECHANISM UNDERLYING INCREASED CARDIAC EXTRACELLULAR MATRIX DEPOSITION IN PERINATALLY NICOTINE INDUCED TRANSGENERATIONAL MODEL.**  
A Rehan, T Chuang, J Liu, A Ansari, C Yu, R Sakurai, O Khorram and V Rehan, Torrance, CA. Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center *(WSPR Abbott Nutrition Subspecialty Award)*  

8:45  **EFFECT OF PERINATAL NICOTINE EXPOSURE ON MATERNAL/OFFSPRING GUT MICROBIOME AND SHORT CHAIN FATTY ACID PROFILES, AND THE DEVELOPING LUNG.**  
M Martin, J Liu, C Yu, Y Wang, R Sakurai, Y Liu, B Ji and V Rehan, Torrance, CA; Beijing, China. Lundquist Institute at Harbor-UCLA  

9:00  **ENDOTOXEMIA IMPAIRS NEONATAL AND JUVENILE HEPATIC SELENOCYSTEINE SYNTHESIS AND SELENOENZYME DEFENSE.**  
K Sjostrom, L Sherlock, L Nguyen, M Zarate, E Nozik-Grayck and C Wright, Aurora, CO. University of Colorado *(WSPR Abbott Nutrition Subspecialty Award)*  

9:15  **UMBILICAL CORD MILKING WITH VENTILATION IN PERINATAL ASPHYXIA AND MECONIUM ASPIRATION.**  
M Hardie, A Lesneski, P Vali and S Lakshminrusimha, Davis, CA. UC Davis  

9:30  **CONTINUOUS CHEST COMPRESSIONS WITH ASYNCHRONOUS VENTILATIONS INCREASE CEREBRAL BLOOD FLOW.**  
P Vali, A Lesneski, M Hardie, P Chen, Z Alhassen, W Ferrier, M Underwood and S Lakshminrusimha, Sacramento, CA. University of California Davis *(WSPR Mallinckrodt Junior Faculty Travel Award - Neonatal Pulmonary)*  

9:45  **REPROGRAMMING OF FIBROBLAST CELLS INTO INDUCED TROPHOBLAST STEM CELLS AS A MODEL FOR STUDYING PLACENTAL DEVELOPMENT.**  
C Wang, N Do, P Dehoff and L Laurent, La Jolla, CA. University of California, San Diego School of Medicine *(WSMRF)*
Pulmonary and Critical Care II
Promenade Lobby (Sunset Center)
Adrian Lavery and Michael Schivo, Presiding

8:00  VARIOUS SULFONAMIDES ARE PROTECTIVE IN LUNG ISCHEMIA-REPERFUSION INJURY BOTH BY CARBONIC ANHYDRAZE INHIBITION AND OTHER MECHANISMS.
*M. Swenson*, Seattle, WA. *VA Puget Sound Health Care System University of Washington*

8:15  INTENSIVE REGISTERED RESPIRATORY THERAPIST ATTENTION MAY REDUCE LENGTH OF STAY AND READMISSION RATE IN ACUTE EXACERBATIONS OF COPD.
*N. Sarma*, M. Dolan, K. Craddock, S. Louie, BT. Kuhn and M. Schivo, Sacramento, CA. *UC Davis Health*

8:30  PROVISION OF SMOKING CESSATION RESOURCES IN THE CONTEXT OF LUNG CANCER SCREENING.
*J. Shen* and M. Triplette, Seattle, WA. *University of Washington School of Medicine*

8:45  “VAPOR LUNG”: ORGANIZING PNEUMONIA DUE TO ELECTRONIC CIGARETTE USE IN A PATIENT WITH SEVERE ASTHMA.
*A. Matthys* and AA. Zeki, Davis, CA; Mather, CA. *UC Davis (WAP/WSCI Travel Award Winner)*

9:00  IDENTIFYING ASTHMA AFTER WILDFIRES: A RESEARCH CLINIC BASED APPROACH.
*K. Wick*, T Tham, Y Kefelgn, M Juarez, D Young, D Tompkins, C Burlaza, C Kivler, K Craddock, I Hertz-Picciotto and N Kenyon, Sacramento, CA. *UC Davis*

9:15  DERIVATION AND VALIDATION OF A DIAGNOSTIC PREDICTION MODEL FOR INTERSTITIAL LUNG DISEASE.
*AG Kulinich* and J Oldham, Sacramento, CA. *University of California Davis School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Break – 10:00 am – 10:15 am
CONCURRENT SESSIONS

Saturday, January 25, 2020
10:15 AM – 12:00 PM

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Case Reports II ................................................................. Promenade Lobby
Health Care Research III ......................................................... Babcock #6
Hematology and Oncology III ................................................. Green Room
Immunology and Rheumatology II ......................................... Conductor’s Room
Neonatology – General VI ...................................................... Carpenter Hall
Neonatology – Perinatal Biology III ......................................... Rehearsal Room
Neuroscience III ................................................................. Studio 105

Case Reports II
Promenade Lobby (Sunset Center)
W. Conrad Liles, Presiding

10:15 UNUSUAL PRESENTATION OF ACUTE HEPATITIS COMPLICATED BY PANCREATITIS IN A CHILD.
OC Dogan and M Haight, Fresno, CA. UCSF Fresno

Abstract 436

10:30 RARE CASE OF INTRA-VENTRICULAR HEMORRHAGE IN A FULL TERM INFANT PRESENTING WITH HYPERBILIRUBINEMIA .
P Mehta, Chicago, IL. Rush University Medical Center

Abstract 437

10:45 MOYAMOYA IN PREGNANCY, RETROSPECTIVE CASE REPORT AND LITERATURE REVIEW.
BA Mocan, F Venter, M Gill, N Idemudia, S Jung, D Bell, C D'Assumpcao, S Ragland and K Sabetian, Bakersfield, CA. Kern Medical-UCLA (WAFMR)

Abstract 438

11:00 CRONOBACTER SAKAZAKII BACTEREMIA AND MENINGITIS IN A 4-WEEK-OLD FEMALE.
E Jang, B Finger and M Bar-On, Las Vegas, NV. University of Nevada School of Medicine

Abstract 439

11:15 SPONTANEOUS CEREBELLAR ECTOPIA IN A PATIENT WITH COCCIDIOIDAL MENINGITIS.
A Babaesfahani, C D'Assumpcao, T Bajaj, A Karapetians and A Heidari, Bakersfield, CA.
A RUPTURED MYCOTIC ANEURSYM IN A 17-YEAR-OLD MALE WITH STAPHYLOCOCCUS LUGDUNENSIS ENDOCARDITIS.
RR Filbrandt and F Naeem, Madera, CA. Valley Children’s Hospital

UNILATERAL SYMPTOMATIC WEEPING ELEPHANTIASIS VERRUCOSA IN AN HIV PATIENT RESPONDED TO EMPIRIC CHEMOTHERAPY FOR KAPOSI SARCOMA.
S Ratnayake, C D'Assumpcao, V Bali, RD Polineni, R Kuran, A Heidari and S Ragland, Miramar, FL; Bakersfield, CA. Ross University School of Medicine Kern Medical - UCLA

CONCUSSION EDUCATION IN MEDICAL SCHOOL.
L Ekman, A Dang, L Dhillon, T Alskey and D Baron, Pomona, CA. Western University of Health Sciences (WSMRF)

MEDIC! A COURSE ON IMPROVISED MANAGEMENT OF TRAUMA PATIENTS FOR MEDICAL STUDENTS.
Z Smith, Seattle, WA. University of Washington

OCHO PASOS: A QUALITY IMPROVEMENT PILOT TO IMPROVE BREASTFEEDING SUPPORT IN OUTPATIENT CLINICS.
P Mendoza, T Hatfield, J Martinez, D Sedillo, T Ozechowski, E Sebesta and MM Ramos, Albuquerque, NM. University of New Mexico

THE IMPACT OF TELEMEDICINE ON PSYCHIATRY CONSULTATIONS.
MK Lieng, JP Marcin, S Chan, MS Aurora, Y Kang, JM Kim, J Mouzoon, MB Parish, AD Gonzalez and PM Yellowlees, Sacramento, CA. UC Davis Health

PRENATAL VACCINE KNOWLEDGE AND UPTAKE AMOUNG PREGNANT PATIENTS.
KE Patapoff, YY Razi, G Woods, AL Nelson and H Stohl, Pomona, CA; Torrance, CA; Los Angeles, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

RISK STRATIFICATION IN HOSPITALIZED CHILDREN WITH MEDICAL COMPLEXITIES (CMC) & HEALTH OUTCOMES.
Hematology and Oncology III
Green Room (Sunset Center)
Everardo Cobos and Thomas Deloughery, Presiding

10:15 PROSTATE CANCER GENETICS CLINIC: GERMLINE GENETIC TESTING IN PRACTICE AND ITS IMPLICATIONS FOR PRECISION THERAPY AND FAMILY COUNSELING.
D Pouv, A Sokolova and H Cheng, Seattle, WA. University of Washington

10:30 CAUSES OF HOSPITALIZATION AMONG CANCER PATIENTS RECEIVING IMMUNE CHECKPOINT INHIBITORS.
A Choi, G In and K Brady, Los Angeles, CA. LAC+USC Medical Center (WAFMR/WAP/WSCI Outstanding Resident Award)

10:45 EMERGENCY-RELEASE BLOOD TRANSFUSIONS AFTER POSTPARTUM HEMORRHAGE AT THE INTERMOUNTAIN HEALTHCARE HOSPITALS.
W Hulse, TM Bahr, DS Morris, D Richards, SJ Ilstrup and RD Christensen, Salt Lake City, UT. University of Utah (WAP/WSCI Travel Award Winner)

11:00 CHANGES IN BLOOD COUNT PARAMETERS MAY OFFER EARLY INDICATORS OF CLONAL HEMATOPOIESIS OF INDETERMINATE POTENTIAL (CHIP).
A Harmon, B Jonas, JP Graff and R Green, Sacramento, CA. UC Davis School of Medicine (WSMRF)

11:15 PROGRAMMED CELL DEATH PROTEIN (PD-1) BLOCKADE IN ADVANCED AND METASTATIC SQUAMOUS CELL CARCINOMA OF THE SKIN.
P Vaidya, S Lin and G In, Los Angeles, CA. University of Southern California Keck School of Medicine

11:30 THE USE OF MICRO-RAMAN AND RESPECT PROBE TO CHARACTERIZE A SPECTRUM OF CHILDHOOD CANCERS.
D Sur, M Agsdale-Garcia, T Shieh, R Souza, N Loi, T Acosta-Maeda, A Misra and B Shiramizu, Honolulu, HI. UH, JABSOM

11:45 A CASE OF BILATERAL RENAL MASS IN BECKWITH–WIEDEMANN SYNDROME: NEPHROMEGALY VS NEPHROBLASTOMATOSIS.
J Lim, R Natarajan, Z Mehta and H Cheam, Las Vegas, NV. University of Las Vegas School of Medicine
10:15 RISK OF ELIMINATION DIETS IN ATOPIC DERMATITIS PATIENTS WITH FOOD HYPERSENSITIVITY.
M Sun, T Sierro and A Armstrong, La Jolla, CA; Los Angeles, CA. University of California, San Diego (WSMRF)
Abstract 456

10:30 OMEPRAZOLE INDUCED SUBACUTE CUTANOUS LUPUS ERYTHEMATOSUS.
R Hall, A Govindarajan, M Kumar, T Parker and A Heidari, Miramar, FL; Bakersfield, CA. Ross University School of Medicine
Abstract 457

10:45 NEONATAL NET-INHIBITORY FACTOR INHIBITS MACROPHAGE EXTRACELLULAR TRAP FORMATION.
JS Bircher, MJ Cody, EA Middleton, RA Campbell and CC Yost, Salt Lake City, UT. University of Utah
Abstract 458

11:00 CD20 EXPRESSION IS ELEVATED ON A T HELPER CELL SUBPOPULATION IN NEWLY DIAGNOSED MULTIPLE SCLEROSIS PATIENTS.
CD Curran, DH Wagner and TL Vollmer, Denver, CO; Aurora, CO. University of Colorado (WSMRF)
Abstract 459

11:15 INTRAVITREAL POLYACRYLONITRILE IMPLANT IN MACULAR DEGENERATION MOUSE MODEL TRAPS COMPLEMENT PROTEIN AND DELAYS RETINAL DEGENERATION.
EY Rhodes, J Morgenstern, A Strong and J Olson, Aurora, CO. University of Colorado School of Medicine
Abstract 460

11:30 PARADOXICAL INFLAMMATORY RESPONSE SYNDROME IN AN IMMUNOCOMPETENT PEDIATRIC PATIENT WITH CRYPTOCOCCAL GATII MENINGITIS.
J Cheng and V Dimitriades, Sacramento, CA. University of California Davis
Abstract 461

11:45 DISSEMINATED COCCIDIODOMYCOSIS PRESENTING AS POLYARTICULAR SEPTIC ARTHRITIS: A CASE REPORT.
R Johnson, A Heidari, R Kuran, J Bhaika, S Kaur, B Citerella, F Nasrawi and T Aljashamy, Bakersfield, CA. Kern Medical (WAFMR)
Abstract 462
10:15 **CONGENITAL DIAPHRAGMATIC HERNIA: IMPROVEMENT IN SURVIVAL WITHOUT ECMO FOLLOWING PRACTICE CHANGE.**

*M Yang, CC Yost, S Fenton and B Yoder, Salt Lake City, UT. University of Utah/Primary Children's Hospital (WSPR Mead Johnson Travel Award Winner)*

Abstract 463

10:30 **TELEMEDICINE CONSULTATIONS MAY IMPROVE STABILITY OF NEONATES PRIOR TO TRANSPORT.**

*SC Haynes, K Hoffman, S Smith, BC Hill, M Dharmar, PS Romano and JP Marcin, Sacramento, CA. University of California Davis*

10:45 **STABILITY OF DARBEPOETIN IN NEONATAL INTRAVENOUS FLUIDS.**

*U Nwokidu-Aderibigbe, L Jantzie, J Maxwell, S Beauman and RK Ohls, Albuquerque, NM; Salt Lake, UT; Baltimore, MD. University of New Mexico (WSPR Prolacta Bioscience Fellow Research Travel Award) (WSPR)*

Abstract 465

11:00 **IN-ROOM TECHNOLOGY EXPEDITES TREATMENT OF NEONATAL SEIZURES IN THE INTENSIVE CARE NURSERY.**

*K Kramer, S Lucas, K Nash, E Papp, S Pollet, A Bekmezian and HC Glass, San Francisco, CA. UCSF*

Abstract 466

11:15 **NEONATAL INTER-FACILITY TRANSPORT STABILIZATION TIMES.**

*S Patel, DA Hill, J Rael and DC Alverson, Albuquerque, NM. University of New Mexico*

Abstract 467

11:30 **FACTORS AFFECTING INFANTS OF UNEXPECTED BIRTHS PRESENTING TO THE EMERGENCY DEPARTMENT.**

*S Liu, LE Yaeger, E Sander, P Shastry, N Flores-Fenlon, M Martes Gomez, B Nolan, R Ramanathan, FB Wertheimer and M Biniwale, Los Angeles, CA; Orange, CA; Irvine, CA. LAC+USC Medical Center*

Abstract 468

11:45 **FACTORS CONTRIBUTING TO MORTALITY IN UNEXPECTED BIRTH PRESENTING TO THE EMERGENCY DEPARTMENT.**

*LE Yaeger, S Liu, E Sander, P Shastry, N Flores-Fenlon, B Nolan, M Martes Gomez, FB Wertheimer, R Ramanathan and M Biniwale, Los Angeles, CA; Orange, CA. LAC+USC Medical Center*

Abstract 469
10:15 IMPROVING SHORT TERM OUTCOMES IN VLBW INFANTS VIA LESS INVASIVE SURFACTANT ADMINISTRATION.
*A Diamond,* A Soliman, C Tay, S Lange and JL Kim, Long Beach, CA. *Miller Children's and Women's Hospital Long Beach*

Abstract 470

10:30 ASSOCIATION BETWEEN BLOOD CARBOXYHEMOGLOBIN LEVEL AND BRONCHOPULMONARY DYSPLASIA IN EXTREMELY LOW BIRTH WEIGHT INFANTS.
*T Tagliaferro,* R Cayabyab, L Barton and R Ramanathan, Los Angeles, CA. *USC*

Abstract 471

10:45 PREDICTORS OF BRONCHOPULMONARY DYSPLASIA IN VERY LOW BIRTH WEIGHT INFANTS BY GRADIENT BOOSTING, AN ENSEMBLE MACHINE LEARNING ALGORITHM.
*A Vaid,* L Padilla and V Rehan, Torrance, CA. *Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center*

Abstract 472

11:00 A SINGLE-CENTER, RETROSPECTIVE COHORT STUDY INVESTIGATING PCO2 AS A PREDICTOR OF ADVERSE EVENTS IN THE FIRST YEARS OF LIFE IN INFANTS WITH BRONCHOPULMONARY DYSPLASIA.
*D Vandeleur,* N Ly and EE Rogers, San Francisco, CA. *UCSF*

Abstract 473

11:15 DOES LOCATION OF CONGENITAL DIAPHRAGMATIC HERNIA REPAIR AFFECT OUTCOMES?
*K Gulliver* and B Yoder, Salt Lake City, UT. *University of Utah*

Abstract 474

11:30 ACIDEMIA AT BIRTH IN THE PREMATURE NEONATE AND ASSOCIATED OUTCOMES.
*A Hisey,* S Sakhamuru, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. *Keck School of Medicine LAC + USC (WSMRF)*

Abstract 475

11:45 FACTORS AFFECTING NEED FOR RESUSCITATION IN INFANTS OF UNPLANNED OUT OF HOSPITAL BIRTH AND THREATENED DELIVERY TO THE EMERGENCY ROOM.
*E Sander,* S Liu, LE Yaeger, P Shastry, N Flores, R Ramanathan, FB Wertheimer and M Biniwale, LA, CA; Orange, CA. *LAC+USC Medical Center*

Abstract 476
10:15 ATYPICAL PRESENTATION OF DEVIC'S DISEASE WITH NO SPINAL CORD FINDINGS.
A Siddiqui, C Choong, R Ahad and S Halthore, Las Vegas, NV. University of Nevada Las Vegas
Abstract 477

10:30 MANAGEMENT OF MIGRAINE HEADACHES THROUGH WEB-BASED TECHNOLOGY.
J Cheng, D Kar, N Tanios, S Kolluru, A Mommileti and B Afghani, Berkeley, CA; Irvine, CA; Orange, CA. University of California, Berkeley University of California, Irvine
Abstract 478

10:45 A RARE CASE OF SYRINGOBULBIA IN A PATIENT WITH COCCIDIOIDOMYCOSIS MENINGITIS.
A Govindarajan, R Gupta, D Farmand, CS Nguyen and A Heidari, Bakersfield, CA; Miramar, FL. Kern Medical - UCLA
Abstract 479

11:00 CHRONIC MENINGITIS WITH FEATURES OF VOGT-KOYANAGI-HARADA DISEASE.
D Holt, S Choi, R Hall, A Govindarajan and A Heidari, Miramar, FL; Glendale, AZ; Bakersfield, CA. Ross University School of Medicine
Abstract 480

11:15 FRONTAL CORTEX LESION IN HUMAN IMMUNODEFICIENCY VIRUS HOST.
D Le, S Nguyen, A Abad, M Valdez and D Aguirre, Bakersfield, CA. Kern Medical
Abstract 481

11:30 INSPRATORY STRIDOR AS AN INITIAL PRESENTATION OF ACUTE DISSEMINATED ENCEPHALOMYELITIS.
E Farooqi and A George, Las Vegas, NV; Chicago, IL. University of Nevada Las Vegas School of Medicine
Abstract 482

11:45 A CASE OF PRIMARY PROGRESSIVE MULTIPLE SCLEROSIS MISDIAGNOSED AS CONVERSION DISORDER.
D Aguirre, I Malik and A Babaesfahani, Bakersfield, CA. UCLA Kern Medical
Abstract 483
### Western Section American Federation for Medical Research

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<td>Gustavo Matute-Bello</td>
<td>University of Washington</td>
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<tr>
<td>Michael J. McPhaul</td>
<td>University of Texas Southwestern</td>
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<tr>
<td>Janushe Patel</td>
<td>Kern Medical</td>
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<tr>
<td>Mark Riddle</td>
<td>Uniformed Services University</td>
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<tr>
<td>Saad Sammani</td>
<td>University of Arizona</td>
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<tr>
<td>Vaneet Sandhu</td>
<td>Loma Linda University Medical Center</td>
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<tr>
<td>Michael Savin</td>
<td>Knight Cancer Institute, OHSU</td>
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<tr>
<td>Rita Shah</td>
<td>University of Nevada Las Vegas School of Medicine</td>
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<tr>
<td>David A Stevenson</td>
<td>Stanford University</td>
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<tr>
<td>Jacob Stuppy</td>
<td>Rocky Vista University</td>
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### Western Association of Physicians and Western Society for Clinical Investigation

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<th>NAME</th>
<th>INSTITUTION</th>
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<tr>
<td>PRESIDENT</td>
<td>W. Conrad Liles</td>
<td>University of Washington</td>
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<tr>
<td>VICE PRESIDENT</td>
<td>Frederick S. Buckner</td>
<td>University of Washington</td>
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<tr>
<td>SECRETARY/TREASURER</td>
<td>W. Conrad Liles</td>
<td>University of Washington</td>
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**COUNCILORS**

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<thead>
<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>David N. Gilbert</td>
<td>Providence Portland Medical Center</td>
</tr>
<tr>
<td>Carlin Long</td>
<td>University of California, San Francisco</td>
</tr>
<tr>
<td>Charles Edelstein</td>
<td>University of Colorado-Denver</td>
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<td>Peter Ganz</td>
<td>University of California, San Francisco</td>
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<td>Joshua Goldhaber</td>
<td>Cedars-Sinai, Los Angeles</td>
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<tr>
<td>Robert Ross</td>
<td>University of California, San Diego</td>
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## Western Society for Pediatric Research

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<th><strong>PAST PRESIDENT</strong></th>
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<td>David Viskochil</td>
<td>Josephine Enciso</td>
<td>Erika Fernandez</td>
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<tr>
<td>University of Utah</td>
<td>University of California Los Angeles</td>
<td>University of California San Diego</td>
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<tr>
<th><strong>SECRETARY/TREASURER</strong></th>
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<tbody>
<tr>
<td>Mariana Baserga</td>
<td>Bill Hay, Jr.</td>
<td>Marilyn C. Jones</td>
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<tr>
<td>University of Utah</td>
<td>University of Colorado</td>
<td>Children’s Hospital, San Diego</td>
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<tr>
<td>Robin Ohls</td>
<td>University of New Mexico</td>
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## COUNCILORS

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<thead>
<tr>
<th><strong>Kara Calkins</strong></th>
<th><strong>Clyde Wright</strong></th>
<th><strong>Mary Ramos</strong></th>
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<tr>
<td>University of California, Los Angeles</td>
<td>University of Colorado</td>
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<tr>
<th><strong>Joseph Shieh</strong></th>
<th><strong>Lisa Joss-Moore</strong></th>
<th><strong>Amy Staples</strong></th>
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<tr>
<th><strong>Shelley Lawrence</strong></th>
<th><strong>Lynne Bird</strong></th>
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| Walter Dehority           |                              |                              |
| University of New Mexico  |                              |                              |

## Western Student Medical Research Forum Officers

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<tr>
<th><strong>2019-2020 Co-Chairs</strong></th>
<th><strong>Immediate Past Co-Chairs</strong></th>
<th><strong>Executive Co-Directors</strong></th>
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<td>Edward Chiou</td>
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<td>Maralyssa Bann</td>
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<td>University of Washington</td>
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<tr>
<td>Jeffrey Mecham</td>
<td>Dylan Calame</td>
<td>Jorge Nieva</td>
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<tr>
<td>Mayo Clinic School of Medicine, Arizona</td>
<td>University of Colorado</td>
<td>University of Southern California</td>
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<td>Mary Beth Yu</td>
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<tr>
<th><strong>Lead Administrator</strong></th>
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<tr>
<td>Mary Lou Siebert</td>
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