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<th>TIME</th>
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<td><strong>THURSDAY, JANUARY 18, 2024</strong></td>
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<td>9:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
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<td>9:00 am – 5:00 pm</td>
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<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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<td>10:00 am – 11:45 am</td>
<td>WAP-WSCI Plenary</td>
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<td>WAP-WSCI Mayo Soley Award</td>
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<td>Laurie DeLeve, MD, PhD, Keck School of Medicine,</td>
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<td>University of Southern California</td>
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<td>WAP-WSCI Outstanding Investigator Award</td>
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<td>Precision medicine in sepsis-associated acute kidney injury</td>
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<td>Pavan Bhatraju, MD, MSc, University of Washington</td>
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<td>WAP-WSCI Distinguished Lectureship</td>
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<td>Brain control of glucose homeostasis: implications for diabetes pathogenesis and treatment</td>
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<td>Michael W. Schwartz, MD, University of Washington</td>
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<td>WAP-WSCI Business Meeting</td>
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<td>Carmel Women’s Club</td>
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<td>11:45 am – 12:45 pm</td>
<td>Investigator Workshop</td>
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<td>How to Publish: Tips from the Editor</td>
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<td>(Fellows, Trainees, and Jr. Faculty)</td>
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<td>Food Truck in Sunset Center Parking Lot</td>
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<td>Michael McPhaul</td>
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<td>Editor, Journal of Investigative Medicine - High Impact Case Reports</td>
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<td>Sunset Center – Green Room</td>
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<td>12:45 pm – 3:00 pm</td>
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<td>Adolescent Medicine and General Pediatrics I – Room 5</td>
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<td>Cardiovascular I – Promenade Lobby</td>
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<td>Endocrinology and Metabolism I – Carmel Women’s Club</td>
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<td>Healthcare Delivery Research I: Community Health Projects – Babcock #6</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>
<td><strong>Concurrent Sessions</strong>&lt;br&gt;<strong>Sunset Center</strong>&lt;br&gt;Cardiovascular II – Promenade Lobby&lt;br&gt;Diversity, Equity, Inclusion Research I – Conductor’s Room&lt;br&gt;Healthcare Delivery Research II – Room 5&lt;br&gt;Hematology and Oncology I – Green Room&lt;br&gt;Neonatology – General II – Babcock #6&lt;br&gt;Neonatology – Pulmonary II – Rehearsal Room&lt;br&gt;Neuroscience I – Chapman #4&lt;br&gt;Pulmonary and Critical Care I – Studio 105&lt;br&gt;Surgery II: Plastic Surgery – Carmel Women’s Club</td>
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<td>6:00 pm – 7:00 pm</td>
<td><strong>Welcome Reception and Poster Session</strong>&lt;br&gt;<strong>Jointly sponsored by</strong>&lt;br&gt;WAFMR, WAP, WSCI, WSMRF, and WSPR&lt;br&gt;<strong>Odd numbered posters present from 6:00-6:30 pm</strong>&lt;br&gt;<strong>Even numbered posters present from 6:30-7:00 pm</strong>&lt;br&gt;All welcome and encouraged to attend&lt;br&gt;<strong>Posters 1-80</strong>&lt;br&gt;All Saints Church, Seccombe Hall&lt;br&gt;Ninth Avenue &amp; Dolores St.&lt;br&gt;<strong>Posters 81-152</strong>&lt;br&gt;Sunset Center, Carpenter Hall&lt;br&gt;Adolescent Medicine and General Pediatrics – 1-7&lt;br&gt;Behavior, Development, and Child Psychology – 8-15&lt;br&gt;Cardiology – 16-27&lt;br&gt;Diversity, Equity, Inclusion Research – 28-32&lt;br&gt;Genetics – 33-39&lt;br&gt;Hematology and Oncology – 40-42&lt;br&gt;Infectious Diseases – 43-52&lt;br&gt;Morphogenesis and Malformations – 53-54&lt;br&gt;Neonatology General – 55-75&lt;br&gt;Neonatology – Perinatal Biology -76&lt;br&gt;Neuroscience – 77-79&lt;br&gt;Pulmonary &amp; Critical Care Adult – 80&lt;br&gt;and&lt;br&gt;<strong>Posters 81-152</strong>&lt;br&gt;Sunset Center, Carpenter Hall&lt;br&gt;Healthcare Delivery Research – 81-124&lt;br&gt;Surgery – 125-152</td>
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<tr>
<td>7:00 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>8:30 pm – 10:00 pm</td>
<td>WSPR Council Dinner</td>
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<td>Ocean Ave, Between Lincoln and Monte Verde St.</td>
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**FRIDAY, JANUARY 19, 2024**

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<td>Adolescent Medicine and General Pediatrics II – Studio 105</td>
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<td>Cardiovascular III – Promenade Lobby</td>
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<td>Case Reports I – Carpenter Hall</td>
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<td>Endocrinology and Metabolism II – Carmel Women’s Club</td>
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<td>Gastroenterology – Babcock #6</td>
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<td>Genetics I – Rehearsal Room</td>
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<td>Neonatology – General III – All Saints Church, Seccombe Hall</td>
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<td>Neonatology – Perinatal Biology I – Chapman #4</td>
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<td>Surgery III – Room 5, Sunset Center</td>
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<td>Translational Science - Conductor’s Room</td>
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<td>Behavior, Development and Psychology I – Chapman #4</td>
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<td>Diversity, Equity, Inclusion Research II – Promenade Lobby</td>
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<td>Healthcare Delivery Research III – Babcock #6</td>
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<td>Hematology and Oncology II – Carpenter Hall</td>
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<td>Infectious Diseases II – Carmel Women’s Club</td>
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<td>Morphogenesis and Malformations – Rehearsal Room</td>
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<td>Neonatology – General IV – All Saints Church, Seccombe Hall</td>
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<td>Neonatology Perinatal Biology II – Conductor’s Room</td>
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<td>Nephrology and Hypertension – Green Room</td>
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<td>Neuroscience II – Studio 105</td>
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<td>Surgery IV – Room 5, Sunset Center</td>
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**Lunch available on-site for nominal charge**

Food Truck in Sunset Center Parking Lot
Serving Mexican Fare
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<th>Time</th>
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| 12:30 pm – 1:30 pm | Investigator Workshop  
   *(This talk is aimed at Jr. faculty and fellows. Students and trainees welcome to attend) – Lunch available at food truck*  
   Barley to Brains: Lessons Learned on my Path Towards Independence  
   Sidharth Mahapatra, MD, PhD, FAAP  
   Children’s Hospital & Medical Center / The University of Nebraska Medical Center  
   Sunset Center – Green Room |
| 1:00 pm – 1:45 pm | Coffee and Dessert Buffet  
   Carmel Women’s Club |
| 1:45 pm – 4:30 pm | Joint Plenary Session  
   WAFMR, WAP, WSCI, WSMRF, WSPR  
   Edwin E. Osgood Awardee  
   WAFMR Outstanding Investigator Award  
   WSPR Abbott Nutrition Lowell Glasgow Student Research Award  
   WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award  
   WSPR Abbott Nutrition Young Investigator Research Award  
   WSPR Stanley Wright Lecture  
   WSPR Presidential Lecture  
   WSPR St. Geme Educator Award  
   Carmel Women’s Club |
| 4:30 pm – 5:00 pm | WSPR Business Meeting  
   Nicole Tartaglia and Shanlee Davis, Presiding  
   All WSPR members are invited  
   Carmel Women’s Club |
| 4:30 pm – 5:15 pm | WAFMR Welcome Reception  
   Open to All  
   David A. Stevenson, Presiding  
   Sunset Center – Chapman Room |
| 5:15 pm – 6:15 pm | David Rimoin Lectureship  
   Therapeutic advances in developmental encephalopathies: Rett and CDKL5 disorders  
   Tim Benke, University of Colorado Denver  
   Sunset Center – Carpenter Hall |
| 5:30 pm – 7:30 pm | WAP-WSCI Council Meeting  
   *(by invitation only)*  
   TBD |
| 6:00 pm – 8:00 pm | WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Travel Award  
   &  
   Western Perinatal Club  
   Strategies to optimize placental transfusion in babies that need it the most |
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<tr>
<td>6:15 pm – 7:15 pm</td>
<td><strong>Western Perinatal Club Briefing</strong>&lt;br&gt;Supported by Abbott Nutrition&lt;br&gt;Carmel Women’s Club</td>
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<td>7:30 am – 12:00 pm</td>
<td><strong>Speaker Ready Room</strong>&lt;br&gt;Sunset Center</td>
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<td>7:30 am – 10:00 am</td>
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<td>8:00 am – 10:00 am</td>
<td><strong>Concurrent Sessions</strong>&lt;br&gt;Sunset Center&lt;br&gt;Case Reports II – Chapman #4&lt;br&gt;Congenital Heart Disease – Conductor’s Room&lt;br&gt;Diversity, Equity and Inclusion Research III – Room 5&lt;br&gt;Endocrinology and Metabolism III – Green Room&lt;br&gt;Genetics II – Rehearsal Room&lt;br&gt;Healthcare Delivery Research IV: Medical Education – Babcock #6&lt;br&gt;Neonatology – General V – Carpenter Hall&lt;br&gt;Neonatology – Perinatal Biology III – Studio 105&lt;br&gt;Pulmonary and Critical Care II – Promenade Lobby</td>
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<td>10:00 am – 10:15 am</td>
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<td><strong>Concurrent Sessions</strong>&lt;br&gt;Sunset Center&lt;br&gt;Behavior, Development and Psychology II – Promenade Lobby&lt;br&gt;Genetics III – Rehearsal Room&lt;br&gt;Healthcare Delivery Research V: Quality Improvement – Babcock #6&lt;br&gt;Hematology and Oncology III – Green Room&lt;br&gt;Immunology and Rheumatology II – Room 5&lt;br&gt;Neonatology – General VI – Carpenter Hall&lt;br&gt;Neonatology – Pulmonary III – Conductor’s Room&lt;br&gt;Neuroscience III – Studio 105</td>
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<tr>
<td>12:15 pm – 2:00 pm</td>
<td><strong>Society Officers Planning Meeting</strong>&lt;br&gt;(by invitation only)&lt;br&gt;Sunset Center – Chapman #4</td>
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Fred Buckner and W. Conrad Liles, Presiding

10:00  WAP/WSCI MAYO SOLEY AWARD
   Presenter: Lily Dara, MD, Keck School of Medicine of USC
   Recipient: Laurie D. DeLeve, MD, PhD, Keck School of Medicine, University of Southern California

10:15  WAP/WSCI OUTSTANDING INVESTIGATOR AWARDEE
   PRECISION MEDICINE IN SEPSIS-ASSOCIATED ACUTE KIDNEY INJURY
   Pavan Bhatraju, MD, MSc, University of Washington

11:00  WAP/WSCI DISTINGUISHED LECTURESHP –
   BRAIN CONTROL OF GLUCOSE HOMEOSTASIS: IMPLICATIONS FOR DIABETES PATHOGENESIS AND TREATMENT
   Michael W. Schwartz, MD, University of Washington

11:45  ADJOURN

11:45  WAP-WSCI BUSINESS MEETING
Adolescent Medicine and General Pediatrics I
Room 5, Sunset Center
Diane E. Stafford, Presiding

12:45 IDENTIFYING MOLECULAR PATTERNS IN THE PERIPHERAL IMMUNE PROFILE OF PATIENTS WITH PEDIATRIC ACUTE LIVER FAILURE.
H Kim, T Fourfouris, S Bangerth, A Barbetta, J Ascher-Bartlett, B Rocque, R Kohli and J Emamaullee, Los Angeles, CA; Rochester, NY. Keck School of Medicine of USC (WSMRF)

1:00 SEASONALITY TRENDS IN MENTAL-HEALTH RELATED PEDIATRIC EMERGENCY DEPARTMENT VISITS DURING COVID-19 IN BRITISH COLUMBIA.
M Fan, T Black and Q Doan, Vancouver, BC, Canada. University of British Columbia

1:15 SMALL RESCUERS CANNOT GENERATE SUFFICIENT CHEST COMPRESSION DEPTH USING CONVENTIONAL CHEST COMPRESSION METHODS, BUT THEY CAN GENERATE SUFFICIENT CHEST COMPRESSION DEPTH USING ALTERNATIVE CHEST COMPRESSION TECHNIQUES.
J Sato, K Len, E Tessmer and LG Yamamoto, Honolulu, HI. University of Hawaii John A. Burns School of Medicine
1:30  DOES VITAMIN D SUPPLEMENTATION HAVE PROPHYLACTIC HEALTH BENEFITS AMONG HEALTHY PEDIATRIC PATIENTS? A SYSTEMATIC REVIEW OF RANDOMIZED CONTROLLED TRIALS.  
S Law, H Zhang, H Park, K Truong, K Arnott, M Hsu, B Maheta, C Goswami, M Sheffield and F Culler, Elk Grove, CA. *California Northstate University College of Medicine*

1:45  HIDDEN IN PLAIN SIGHT: LEARNING TO RECOGNIZE & RESPOND TO HUMAN TRAFFICKING IN OUR OWN COMMUNITY.  
K Garza, S Jackson Ruffin, A Bertoldi, K Colwell and R Kinman, Fresno, CA. *Fresno High School*

2:00  ROLE OF PHYSICAL ACTIVITY IN MODERATING THE RELATIONSHIP BETWEEN CORTISOL LEVELS AND SLEEP QUALITY IN ADOLESCENTS.  
E Sankhala, E Tan, B Truong and U Rao, Irvine, CA. *University of California, Irvine*

2:15  ANALYSIS OF 3-DIMENSIONAL STEREOPHOTOGRAMMETRY TO TRACK FACIAL ATROPHY IN PATIENTS WITH PEDIATRIC JUVENILE LOCALIZED SCLERODERMA.  
CZ Chambers, S Ringold and H Brandling-Bennett, Seattle, WA. *University of Washington Seattle Children's Hospital (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)*

2:30  MATERNAL THROMBOCYTOPENIA PRIOR TO DELIVERY WAS A POOR PREDICTOR OF NEONATAL THROMBOCYTOPENIA IN MOMS REGARDLESS OF MATERNAL PLATELET LEVEL OR MATERNAL ITP STATUS IN A RETROSPECTIVE REVIEW OF 4088 LATE-PRETERM AND TERM DELIVERIES FROM A DE-IDENTIFIED EHR DATABASE SPANNING 11 YEARS AT A TERTIARY ACADEMIC HOSPITAL.  
S Wickers and S Bokser, San Francisco, CA. *University of California, San Francisco (WSPR Prolacta Bioscience Research Award)*

2:45  PROMOTING HEALTHY BEHAVIORS AMONG ADOLESCENTS IN UNDER-RESOURCED SCHOOLS THROUGH BUILDING SUCCESSFUL PARTNERSHIPS WITH MEDICAL RESIDENCY PROGRAMS: AN IMPLEMENTATION STUDY IN FOUR US STATES.  
L Gefter, A Srivastava, C Jiang, N Morioka-Douglas and E Rodriguez, Stanford, CA. *Stanford University*
Cardiovascular I
Promenade Lobby (Sunset Center)
Luisa Mestroni, Presiding

12:45 CHARACTERIZING RIGHT VENTRICLE FUNCTION IN PHYSIOLOGICALLY AGED MALE MICE.
CR Hoopes, BD McNair, J Thornburg and DR Bruns, Seattle, WA; Laramie, WY. 
University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)

1:00 OUTCOMES OF BIOPSY NEGATIVE BUT MMDX-POSITIVE BIOPSIES AFTER HEART TRANSPLANT: WHAT DOES THIS MEAN?
P Deckerman, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

1:15 ACTION OF SECRETED FRIZZLED RECEPTOR PROTEIN 1 IN PEDIATRIC DILATED CARDIOMYOPATHY.
E Rausch, O Nyarko, B Stauffer, S Miyamoto and C Sucharov, Denver, CO; Aurora, CO. 
University of Denver University of Colorado Anschutz Medical Campus

1:30 BODY COMPOSITION AND CARDIOVASCULAR OUTCOMES: FINDINGS FROM THE MULTI-ETHNIC STUDY OF ATHEROSCLEROSIS.
E Weene, R Kronmal, p Srikanthan, M Allison, K Watson and T Horwich, Los Angeles, CA; Seattle, WA; San Diego, CA. UCLA

1:45 OPTIMIZING SYSTEMIC TO PULMONARY ARTERY SHUNT DIAMETER IN DIGITALLY MODELED PATIENT GROWTH.
NR Dion, Y Tu, C Greene, L Bohuta, V Nigam and J del Alamo, Seattle, WA. University of Washington (WSMRF)

2:00 TRANSIENT RECEPTOR POTENTIAL VANILLOID CHANNEL EXPRESSION IN MALE AND FEMALE MOUSE RESISTANCE-SIZED ARTERIES.
S Yeganyan, SM Ahmed, YD Choi and S Bulley, Pomona, CA. Western University of Health Sciences

2:15 MONOTHERAPY IN HEART TRANSPLANTATION PROVES TO BE SAFE WHILE FOLLOWED BY T-CELL IMMUNE FUNCTION TESTING.
E Jeong, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)
2:30  DOES CROSSING DSA AND ITS BINDING LEVELS AT THE TIME OF TRANSPLANT LEAD TO POST-OP COMPLICATIONS?
B Ivey, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

Abstract 17

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

Abstract 18

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

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

Abstract 19

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

Abstract 20

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

Abstract 21

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

Abstract 22

1:45  HOW MUCH DO THEY TRULY UNDERSTAND? ASSESSING HEALTH LITERACY, NUMERACY, AND LEARNING STYLES IN A PEDIATRIC DIABETES CLINIC.
N Nguyen, S Sathi and R Kinman, Merced, CA; Fresno, CA. El Capitan High School UCSF Fresno
2:00 CASE SERIES OF THYROTOXICOSIS: UNIQUE PRESENTATIONS AND CHALLENGES OF THYROID STORM MANAGEMENT.
E Inga Jaco, M Clarke, S Chandramahanti, S Singh, R Garcia-Pacheco, F Joolhar, M Sukkar and R Kulasingam, Bakersfield, CA. Kern Medical

Abstract 23

2:15 FACTORS ASSOCIATED WITH OSTEOPOROSIS, FRAGILITY FRACTURES, AND OSTEOPENIA: A POPULATION-LEVEL ANALYSIS UTILIZING THE UNITED KINGDOM BIOBANK.
CK O’Neill, E Duckworth, R Shah, P Jayakumar and E Truumees, Seattle, WA; Austin, TX. University of Washington

Abstract 24

2:30 NEURODEVELOPMENTAL OUTCOME OF TERM AND NEAR-TERM INFANTS WITH SEVERE HYPOGLYCEMIA.
SS Bai-Tong and D Golembeski, San Diego, CA. Rady Children’s Hospital University of California, San Diego (WSPR Prolacta Bioscience Research Award)

Abstract 25

2:45 DIABETES SUPPORT GROUPS IN RURAL SETTINGS.
B Crowley and T Keys, Seattle, WA. University of Washington School of Medicine

Abstract 26

Healthcare Delivery Research I - Community Health Projects
Babcock #6 (Sunset Center)
Alexandra Carl, Presiding

12:45 BARRIERS AND FACILITATORS TO THE UPTAKE OF POST-VIOLENCE CARE SERVICES AND ORAL HIV TESTING AMONG YOUNG WOMEN ENROLLED IN PAMOJA COMMUNITY BASED ORGANIZATION, SEME SUB COUNTY, KENYA.
N Mourad, A Gangji, S Lai, J Song, P Mbullo and V Kapoor, Vancouver, BC, Canada; Detroit, MI; Kisumu West, Kenya. University of British Columbia (WSMRF)

Abstract 28

1:00 INCREASING HEALTHY HABIT AWARENESS IN GALENA, ALASKA.
C Chapman and T Keys, Seattle, WA. University of Washington School of Medicine

Abstract 29

1:15 QUALITATIVE STUDY OF QUITNOW (SMOKING CESSIONATION WEBSITE) USER EXPERIENCES.
T Salaheddin and L Struik, Vancouver, BC, Canada; Kelowna, BC, Canada. University of British Columbia (WSMRF)

Abstract 30
1:30 IMPROVED DIABETES & CARDIOVASCULAR EDUCATION OUTCOMES AMONG COMMUNITY HEALTH PROMOTERS IN MAI MAHIU, KENYA. CB Pham and D Bosibori, Seattle, WA; Naivasha, Kenya. University of Washington School of Medicine (WSMRF)

1:45 ASSESSING ABORTION CARE BARRIERS—DESIGNING SUPPORT FOR INTEGRATION OF SERVICES INTO THE PRIMARY CARE SETTING. KE Fine, Y Zhang, A Fiastro, G Shih, D Aldrich, E Godfrey and I Bennett, Seattle, WA; Spokane, WA. University of Washington

2:00 DEVELOPING A COMMUNITY-CENTERED HEALTH FAIR THROUGH A PIPELINE COLLABORATIVE APPROACH WITH LEARNERS IN TRAINING. M Morton, P Kuo and C Casilang, Orange, CA. UC Irvine School of Medicine/CHOC Children’s Hospital of Orange County

2:15 INCREASING OPIOID USE DISORDER AWARENESS ON THE BLACKFEET RESERVATION IN BROWNING, MONTANA. CE Kray and T Keys, Seattle, WA. University of Washington School of Medicine (WSMRF)

2:30 EVALUATING OUTCOMES OF COMMUNITY HEALTH PROMOTER’S COPD DIAGNOSIS AND MANAGEMENT EDUCATION IN KARAGITA, NAIVASHA, KENYA. A QUASI EXPERIMENTAL STUDY. M Anderson and D Bosibori, Seattle, WA; Naivasha, Kenya. University of Washington

2:45 ENHANCING HEALTH LITERACY AND PROMOTING PREVENTIVE MEDICINE AMONG THE GERIATRIC COMMUNITY IN BUFFALO, WYOMING. S Bauer and T Keys, Seattle, WA. University of Washington School of Medicine

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

12:45 STATE-OF-THE-ART SPEAKER: SPUTUM BIOMARKERS IN THE PATHOGENESIS OF RHEUMATOID ARTHRITIS. Kristen Demoruelle, University of Colorado School of Medicine
1:15 TESTING OF MULTIPLE AUTOANTIBODIES IDENTIFIES EXPANSION OF TARGETED ANTIGENS AND A METHOD TO IDENTIFY IMMINENT ONSET OF CLINICAL RHEUMATOID ARTHRITIS.
*SH Goff*, D Bergstedt, ML Feser, L Moss, T Mikuls, JD Edison, V Holers, M Mahler and K Deane, Aurora, CO; Omaha, NE; Denver, CO; Bethesda, MD; San Diego, CA. *The University of Colorado School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 37

1:30 HUMAN CD4 T CELL RESPONSES TO *CHLAMYDIA TRACHOMATIS* METABOLIC ENZYMES.
*K Herko*, VL Campbell, CL McClurkan, J Craig, K Hybiske, C Johnston and DM Koelle, Seattle, WA. *University of Washington*

Abstract 38

1:45 GLUTATHIONE MODULATES THE HOST IMMUNE RESPONSE BY ALLEVIATING ADVERSE EFFECTS OF SARS COV-2 SPIKE PROTEIN.
*BJ Norris*, A Chorbajian, J Dawi, A Mohan, J Ochsner, Y Misakyan, A Kiriaki and V Venketaraman, Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 39

2:00 ANALYSIS OF BIOLOGIC THERAPIES IN PREGNANCY WITH MATERNAL RHEUMATOLOGIC DISEASE.
*T Bronnenberg*, A Kachikis and S McCartney, Seattle, WA. *University of Washington*

Abstract 40

2:15 INTERLEUKIN-22, INTERLEUKIN-17 AND, FORKHEAD BOX P3 IS SUPPRESSED IN STIMULATED PERIPHERAL BLOOD MONONUCLEAR CELLS OF MULTIPLE SCLEROSIS PATIENTS.
*DH Wagner*, Aurora, CO; Denver, CO. *University of Colorado School of Medicine Webb-Warring Center*

Abstract 41

2:30 DRUG RASH WITH EOSINOPHILIA AND SYSTEMIC SYMPTOMS (DRESS) CAUSED BY AMIODARONE.
*A Chaudhry*, K Fox, C Chiu and S Mishra, Bakersfield, CA. *Kern Medical Center*

Abstract 42

2:45 GRANULOMA ANNULARE ONSET FOLLOWING COVID-19 VACCINATION.
*ER McIntyre*, P Lamb, MA Fung, M Kiuru and LS Chan, Sacramento, CA. *California Northstate University UC Davis*

Abstract 43
12:45 ADMINISTRATION OF BIOMIMETIC HUMAN CELL MEMBRANE-COATED NANOSPONGES GREATLY IMPROVES SURVIVAL IN A MURINE MODEL OF NEONATAL PERITONITIS WITH OR WITHOUT CONCURRENT EXPOSURE TO TARGETED ANTIBIOTICS.
B Yu, W Gao, L Zhang, V Nizet and SM Lawrence, Salt Lake City, UT; La Jolla, CA. The University of Utah (WSPR)

1:00 CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF MYCOPLASMA AND UREAPLASMA INFECTIONS DETECTED BY MOLECULAR DIAGNOSTICS.
DM Hansen, L Bourassa, J Leiberman and T Truong, Seattle, WA. University of Washington School of Medicine

1:15 IMMUNE PATHWAYS ASSOCIATED WITH TUBERCULOSIS TREATMENT OUTCOMES.
A Hsieh, F Darboe, G Walzl and S Suliman, San Francisco, CA; Pomona, CA; Cape Town, South Africa. UCSF Western University of Health Sciences (WSMRF)

1:30 BACTERIAL ANTI-VIRAL IMMUNITY IN PSEUDOMONAS AERUGINOSA.
A Scheel, M Maderia, D Faith and PR Secor, Bozeman, MT; Missoula, MT; Seattle, WA. University of Washington School of Medicine Montana State University

1:45 HIGH DOSE AMOXICILLIN IN PNEUMOCOCCAL INFECTIONS: ARE TEEN DOSES TOO LOW OR ARE TODDLER DOSES TOO HIGH?
KS Stenger and LG Yamamoto, Honolulu, HI. Hawaii Pacific Health

2:00 IMPROVING SCREENING FOR VIRAL INFECTIOUS DISEASE IN THE EMERGENCY DEPARTMENT.
O Hood and C Buresh, Seattle, WA. University of Washington

B Haynes, J Dipietro, M Ray, E Janetos, L Marshall and S Andrea, Portland, OR. Oregon Health and Science University School of Medicine OHSU-PSU School of Public Health (WSMRF)
2:30  CHILDHOOD VACCINATION TRENDS IN ZIGUINCHOR, SENEGAL.  
Ni Stash and N Manga, Seattle, WA; Ziguinchor, Senegal. *University of Washington*  

2:45  EPIDEMIOLOGY AND RISK STRATIFICATION OF YOUNG INFANTS PRESENTING TO THE EMERGENCY DEPARTMENT WITH HYPOTHERMIA.  
M Wang and I Trehan, Seattle, WA. *University of Washington (WSMRF)*  

Neonatology General I  
Studio 105 (Sunset Center)  
Manoj Biniwale and Brandon D. Tomlin, Presiding  

12:45  AIRWAY COLONIZATION AND RISK FACTORS FOR DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA IN INTUBATED VERY LOW BIRTH WEIGHT INFANTS.  
J Huang, M Cielo, R Ramanathan and R Cayabyab, Los Angeles, CA. *Los Angeles General Medical Center Keck School of Medicine of University of Southern California*  

1:00  PRESSURE TRANSMISSION ON BI-NASAL (RAM) CANNULA WITH T-PIECE RESUSCITATOR.  
S Kim, R Ramanathan and M Biniwale, Los Angeles, CA. *Los Angeles General Medical Center Keck School of Medicine of USC*  

1:15  LOW SODIUM MATERNAL DIET IMPAIRS THE EFFECTIVE IMMUNE RESPONSE TO NEONATAL SEPSIS IN A MURINE MODEL.  
J Jones, A Cera, G Bautista, J Grobe, J Segar and S McElroy, Sacramento, CA; Milwaukee, WI. *UC Davis*  

1:30  PARENTAL PERCEPTIONS OF DISCHARGE READINESS FOR INFANTS WITH SEVERE BRONCHOPULMONARY DYSPLASIA: NICU SUPPORT, INFANT AND PARENT WELL-BEING, AND PARENTAL COMFORT.  
KE Hannan, SL Bourque, L Sherlock, E Wymore, J Kinsella, E Mandell and S Houin, Aurora, CO. *University of Colorado (WSPR)*  

1:45  EVALUATING PRACTICE CONSISTENCY: COMPLYING WITH THE DIRECTIVE TO OBTAIN UMBILICAL CORD ARTERIAL AND VENOUS BLOOD GASSES, AND HEMOGLOBIN VALUES AT HIGH-RISK DELIVERIES.  
SM Tweddell, TM Bahr, RK Ohls and RD Christensen, Salt Lake City, UT. *University of Utah*  

Abstract 50

Abstract 51

Abstract 52

Abstract 53

Abstract 54

Abstract 55

Abstract 56

Abstract 57
2:00  NEONATAL INPATIENT STAYS LONGER THAN 1 YEAR: WHO WAS ADMITTED, WHAT HAPPENED, AND HOW MUCH DID IT COST?  
ND Shah and F Dapaah-Siakwan, Madera, CA. Valley Children's Healthcare

Abstract 58

A Cera and G Bautista, Sacramento, CA. UC Davis (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)

Abstract 59

2:30  ASSESSMENT OF ANTIBIOTICS USAGE TRENDS IN NICU PATIENTS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY: OPPORTUNITIES FOR QUALITY IMPROVEMENT.  
C Manjunath, H Manjunatha and L Ngo, Loma Linda, CA; Atlanta, GA. Loma Linda University Children's Hospital

Abstract 60

2:45  LESSONS LEARNED FROM ROUTINE PERINATAL MENTAL HEALTH SCREENING IN A NEONATAL INTENSIVE CARE UNIT.  
SA Swenson, DA Wilton, B Skalland, M Kroupina, EA Osterholm, M Paulsen, AL Lampland and AG Downey, Minneapolis, MN; Saint Paul, MN. University of Minnesota Medical School

Abstract 61

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

12:45  POSTNATAL GROWTH RESTRICTION AND DHA SUPPLEMENTATION REDUCE LUNG PERILIPIN EXPRESSION IN ASSOCIATION SEX-DIVERGENT CHANGES IN PPARΓ ACTIVITY.  
W Chidester, CT Bitsui, A Parikh, H Wang, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)

Abstract 62

1:00  PERINATAL ACETAMINOPHEN TOXICITY IS MEDIATED BY CYTOCHROME P450 2E1 (CYP2E1) IN A TIME AND CELL TYPE SPECIFIC MANNER.  
E Golden, L Zheng, MR Grayck, Z Li, N Talaba, D McCulley and CJ Wright, Aurora, CO; San Diego, CA. University of Colorado School of Medicine (WSPR Prolacta Bioscience Research Award)

Abstract 63

1:15  NEONATAL HYPEROXIA EXPOSURE DERAILED THE NORMAL DEVELOPMENT AND THE PHYSIOLOGICAL AGING OF THE LUNG.
C Seymour, S Jansky, C Glass and E Sajti, San Diego, CA. UC San Diego (WSPR Reckitt/Mead Johnson Subspecialty Award)

Abstract 64

1:30 CHIESI STATE-OF-THE-ART SPEAKER: EARLY LIFE – A WINDOW OF SUSCEPTIBILITY OR A WINDOW OF OPPORTUNITY?
Hitesh Deshmukh, Cincinnati Children’s

Abstract 65

2:00 PLATELETS ARE ACTIVATED AND INCREASED IN THE LUNGS OF HYPOXIC NEONATAL MICE.
J Archambault, JN Posey, M Jordan, E Nozik and C Delaney, Aurora, CO. University of Colorado

Abstract 65

2:15 HYPEROXIA INDUCES AGE-DEPENDENT TRANSCRIPTOMIC CHANGES IN THE LUNG.
S Jansky, C Glass and E Sajti, San Diego, CA; La Jolla, CA. UC San Diego and Rady Children’s Hospital

Abstract 66

2:30 NINTEDANIB, AN ANTI-FIBROTIC DRUG, PRESERVES LUNG ALVEOLAR AND VASCULAR GROWTH AND PREVENTS PULMONARY HYPERTENSION IN AN EXPERIMENTAL MODEL OF HYPEROXIA-INDUCED LUNG INJURY.
KL Ding, C Smith, SH Abman and G Seedorf, Aurora, CO. University of Colorado, School of Medicine (WSMRF)

Abstract 67

2:45 THE TIMING OF GROWTH RESTRICTION IN THE RAT AFFECTS INTRAPULMONARY LIPID PROFILES AND PPARΓ EXPRESSION.
CT Bitsui, A Bartholomew, W Chidester, C Kindred, A Cohen, M Borton, H Wang, A Maschek, J Cox and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)

Abstract 68

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

12:45 ANGIOTENSIN CONVERTING ENZYME INHIBITION AS A POTENTIAL RISK FACTOR FOR TOTAL KNEE ARTHROPLASTY INFECTION.
NA Cevallos, R Trikha, A Zhang, A Stavrakis, C Photopoulos and N Bernthal, San Francisco, CA; Los Angeles, CA. UCSF (WAFMR/WAP/WSCI Student Subspecialty Award)

Abstract 69
1:00 EVALUATION OF BONE INGROWTH USING A SCAFFOLD MATRIX IN A RAT MODEL.
RV Childers, A Nunez Romero, G Figueroa, D Gonzales, D Loy, K Muralidharan, B Potter, J Szivek and D Margolis, Tucson, AZ. University of Arizona College of Medicine Tucson (WAFMR)

Abstract 70

1:15 RENAL REPLACEMENT THERAPY DECREASES MORTALITY IN ALCOHOL-ASSOCIATED LIVER AND KIDNEY FAILURE: A BRIDGE TO SURVIVAL.
CS Kulig, KJ Nadeau and CC Kulig, Denver, CO; Aurora, CO. George Washington High School

Abstract 71

1:30 INTRA-OPERATIVE SKIN TRACTION IN POSTERIOR SPINE FUSION FOR NON-AMBULATORY PEDIATRIC SCOLIOSIS.
G Coughlin, SA Shah and JM Bauer, Seattle, WA; Wilmington, DE. University of Washington

Abstract 72

1:45 TITLE: WHAT IS OCCURING AT THE OTHER DISC SPACES IN THE EARLY POSTOPERATIVE PERIOD FOLLOWING A CERVICAL DISC REPLACEMENT AT A SINGLE LEVEL?: PRELIMINARY DATA.
L Basner, PK Louie, A Bansal and R Kumar, Seattle, WA. University of Washington Virginia Mason Medical Center

Abstract 73

2:00 COMPARATIVE ANALYSIS OF OUTCOMES FROM MENISCECTOMY WITH OR WITHOUT CONCURRENT SYNOVECTOMY.
K Williams, E Constantine, K Whitney, SA Fry, R McCarrick-Walmsley, B Mayer, E McCarty, J Genuario, M Boublik, R Frank, T Noonan and J Dragoo, Aurora, CO; Englewood, CO. University of Colorado School of Medicine

Abstract 74

2:15 AN ANALYSIS OF RISKS AS A PREDICTOR OF THE OUTCOME OF ANKLE ARTHRODESIS.
M Nocek, M Zhu, d huo, N Singh, M Lei, S Li and M Myerson, Aurora, CO. University of Colorado School of Medicine

Abstract 75

2:30 INCIDENCE OF ACL INJURIES IN FEMALES BY SELECTIVE USE OF ORAL CONTRACEPTIVE PILLS.
SA Fry, C Keeter, R McCarrick-Walmsley, E Constantine, K Williams, K Whitney and J Dragoo, Aurora, CO. University of Colorado School of Medicine

Abstract 76
SPINAL TUMOR SURGERY FOR METASTATIC CANCER: COMPLETE RESECTION VERSUS PARTIAL RESECTION AND ADJUVANT TREATMENT.
A Quinn, SJ Crooks, H Pang, K Kelly and A Amin, Laramie, WY; Seattle, WA.
University of Washington

Abstract 77

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

Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR CLINICAL INVESTIGATION
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WESTERN STUDENT MEDICAL RESEARCH FORUM

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

Cardiovascular II
Promenade Lobby (Sunset Center)
Robert Ross, Presiding

3:15 NATURAL OUTCOME OF ISOLATED RIGHT VENTRICULAR DYSFUNCTION IMMEDIATELY AFTER HEART TRANSPLANTATION.
E Chow, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA.
Cedars-Sinai Smidt Institute (WSMRF)

Abstract 78

3:30 TEMPORAL VALIDATION OF PEDIATRIC MYOCARDITIS MORTALITY PREDICTION WITH MACHINE LEARNING MODEL.
T Yu, RM Leigh, L Ghimire and F Chou, Pomona, CA; Riverside, CA; Fresno, CA; Loma Linda, CA. College of Osteopathic Medicine of the Pacific

Abstract 79

3:45 SIRTUIN 3, OXIDATIVE STRESS, AND INFLAMMATION IN ATHEROSCLEROTIC PLAQUE RUPTURE.
4:00 REVISITING CMV PROPHYLAXIS IN HEART TRANSPLANTATION IN THE CURRENT ERA: DOES IT MAKE SENSE?
A Kanungo, T Singer-Englar, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)
Abstract 80

4:15 DOES NEUPOGEN INCREASE THE RISK OF REJECTION AFTER HEART TRANSPLANT?
N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)
Abstract 81

4:30 MRA USE IN ATTR PATIENTS: IS IT EFFECTIVE?
B Ivey, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)
Abstract 82

4:45 SEX DIFFERENCES IN THE PATTERN OF NEWLY DIAGNOSED TREATABLE SEVERE AORTIC STENOSIS IN BRITISH COLUMBIA, CANADA: AORTIC STENOSIS IN B.C. DATA STUDY.
S Lakhani, A Roshan, J Yim, A Sidhu, J Sathananthan, D Wood, MY Tsang, DF Yeung, C Luong, P Nair, J Jue, K Gin and TS Tsang, Vancouver, BC, Canada. University of British Columbia (WSMRF)
Abstract 83

5:00 EXTRACELLULAR RIBOSOMAL PROTEINS IN ISCHEMIC MYOCARDIAL PATHOLOGY.
CI Doescher, AV Thai, DK Agrawal and FG Thankam, Pomona, CA. Western University of Health Sciences
Abstract 85

5:15 PREVALENCE OF PREEXISTING CARDIAC DISEASE IN CASES OF SUDDEN CARDIAC DEATH AFTER ENERGY DRINK CONSUMPTION.
BC Howard, N Keyvan, A Fung, T Joe, AB Patel, V Spak and BK Lee, Sacramento, CA; San Francisco, CA; Los Angeles, CA. University of California, Davis, School of Medicine UCSF
Abstract 86

5:30 COMPARING THE SOCIAL DETERMINANTS OF HEALTH OF PATIENTS WITH SEVERE AORTIC STENOSIS OR MITRAL REGURGITATION THAT RECEIVE OR DO NOT RECEIVE PROCEDURAL INTERVENTION.
Diversity, Equity, Inclusion Research I
Conductor's Room
Suresh Appavoo and Ricardo Correa, Presiding

3:15 TRENDS IN PLASTIC SURGERY RESIDENTS BY GENDER AND RACE – ARE OUR EFFORTS AT REDUCING DISPARITIES ENOUGH?
G Petersen, N Kadakia, Z Brandt, JH Chung, J Myint, MD Wongworawat and H Kim, Loma Linda, CA. Loma Linda University

3:30 TRENDS IN THE EMERGENCY MEDICINE MATCH RATES BY GENDER AND RACE: POTENTIAL IMPACTS OF VIRTUAL INTERVIEWS.
Z Brandt, R Lorson, M Oliinik, E Yankee, JH Chung and MD Wongworawat, Loma Linda, CA. Loma Linda University School of Medicine

3:45 ENHANCING EMPATHY TOWARDS INDIVIDUALS WITH SUBSTANCE USE DISORDER.
M Alnaser, H Kim, D Luna-Valdez, A Butler, R Morauske and A Hayton, Loma Linda, CA. Loma Linda University

4:00 COMPARISON OF THE SOCIAL DETERMINANTS OF HEALTH IN SURGICAL AORTIC VALVE REPLACEMENT VS. TRANSCATHETER AORTIC VALVE REPLACEMENT PATIENTS FOR THE TREATMENT OF AORTIC STENOSIS.
P Saldivar, J Ebinger and T Huang, Riverside, CA; Los Angeles, CA. University of California, Riverside (WAFMR/WAP/WSCI Student Subspecialty Award) (WAFMR)

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

4:30 PERCEIVED STRESS IN FEMALE MEDICAL STUDENTS PURSUING MALE-DOMINATED VS. FEMALE-DOMINATED SURGICAL SPECIALTIES.
J Hakel, T Gasbeck and V Gerriets, Elk Grove, CA. California Northstate University
4:45  **RACIAL AND ETHNIC DISPARITIES IN ADHERENCE TO ANTI-SEIZURE MEDICATIONS AMONG PATIENTS WITH EPILEPSY.**
Y Jian, A Borhade, L Choi, B Lee, G Lee, R Shabbak, A Wategaonkar and B Afghani, Irvine, CA; Orange, CA. *UC Irvine School of Medicine (WAFMR)*

Abstract 94

5:00  **RACIAL DISPARITIES IN SURVIVAL OF FEMALES WITH LATE-STAGE BREAST CANCER: A REVIEW OF THE LITERATURE.**
M Rauf, D Chai, J Chao, N Daza, A Dharnidharka, B Ly, K Megid and B Afghani, Irvine, CA; Orange, CA. *UC Irvine School of Medicine (WAFMR)*

Abstract 95

5:15  **RACIAL DISPARITIES IN BONE MARROW UTILIZATION FOR THE TREATMENT OF ACUTE MYELOGENOUS LEUKEMIA IN THE ADULT POPULATION: A LITERATURE REVIEW.**
R Sabour, M Guillory, M Koh, N Labatia, S Sunkara, M Vishwarupe, F Zettersten-Mansour and B Afghani, Irvine, CA; Orange, CA. *UC Irvine School of Medicine (WAFMR)*

Abstract 96

5:30  **SURVEILLANCE OF HEALTHCARE EQUALITY AND IMPLICIT BIAS THROUGH INCIDENT REPORTS.**
FT Le, N Greene, S Langston, K Payton and J Nguyen, Los Angeles, CA; Torrance, CA. *Cedars- Sinai Medical Center Harbor- UCLA Medical Center*

Abstract 97

Healthcare Delivery Research II
Room 5 (Sunset Center)
*Maralyssa Bann, Presiding*

3:15  **PROTECTING CHILDREN FROM FIREARM VIOLENCE- ONE GUN LOCK AT A TIME.**
A Agrawal and J Sun, Las Vegas, NV. *University of Nevada, Las Vegas*  

Abstract 98

3:30  **ASSOCIATIONS BETWEEN ELEVATED BLOOD LEAD LEVELS AND CHILD OPPORTUNITY INDEX SCORES REVEAL DISPARITIES IN NEIGHBORHOODS.**
C Kim, L Wilson and V Lee, Loma Linda, CA. *Loma Linda University School of Medicine (WSMRF)*

Abstract 99

3:45  **HEPATITIS C CARE DELIVERY PRACTICES AMONG PRIMARY CARE PROVIDERS WHO DO AND DO NOT PRESCRIBE BUPRENORPHINE.**
AM Mohabir, JR James, CB Simon, AM Cole and JI Tsui, Seattle, WA. *University of Washington*  

Abstract 100
4:00 DEMAND FOR TELEHEALTH MEDICATION ABORTION IN 23 U.S. STATES BEFORE AND AFTER THE DOBBS V JACKSON WOMEN’S HEALTH ORGANIZATION DECISION.
E Godfrey, A Fiastro and EM Brown, Seattle, WA. University of Washington

Abstract 101

4:15 GRASSROOTS APPROACH TO IMPROVING COVID-19 VACCINATION RATES IN THE HOSPITAL SETTING: A QUALITY IMPROVEMENT INTIATIVE.
N Yu, N Punatar, U Shaikh and G Agrawal, Sacramento, CA. University of California, Davis School of Medicine

Abstract 102

4:30 INCREASING EMERGENCY CONTRACEPTION COUNSELING AND PROVISION THROUGH RESIDENT EDUCATION AND ELECTRONIC HEALTH RECORD SUPPORT.
J Lutz and L Chambers-Kersh, Beavercreek, OH; Loma Linda, CA. Loma Linda University

Abstract 103

4:45 DECREASED NEED FOR SURGICAL INTERVENTION AMONG CHILDREN FROM AREAS OF HIGHER NEIGHBORHOOD DISADVANTAGE FOLLOWING TRAUMATIC INJURY
JE Orehova, E Myers, K Eyal, K Pickett-Nairne, M Malham, L Hill, K Adelgais and SN Acker, Aurora, CO. University of Colorado School of Medicine

Abstract 104

5:00 EFFECT OF HIGH HEAT RUNNING ENVIRONMENT ON ACHILLES TENDON MORPHOLOGY IN RUNNERS.
E Jones, M Lewis, J Crissey, C Garbuz and J Zhang-Lea, Spokane, WA. University of Washington School of Medicine

Abstract 105

5:15 MENTAL HEALTHCARE PROVIDER WORK ORIENTATIONS AND MENTAL HEALTH OUTCOMES.
OC Zielinski and S Kennedy, Aurora, CO. University of Colorado School of Medicine

Abstract 106

5:30 LOWER CHILD OPPORTUNITY IS ASSOCIATED WITH MORE ASTHMA EMERGENCY DEPARTMENT VISITS ON A NEIGHBORHOOD LEVEL.
L Wilson, C Kim and V Lee, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 107
Hematology and Oncology I
Green Room (Sunset Center)
W. Conrad Liles, Presiding

3:15  THE MUCOSAL MELANOMA TUMOR MICROBIOME IS DISTINCT FROM
CUTANEOUS WITH UNFAVORABLE PROPORTIONS OF IMMUNE-
ASSOCIATED SPECIES.
P Parmar, M MacBeth, P Witty, W Robinson, C Lozupone and K Couts, Aurora, CO.
University of Colorado (WAFMR Trainee Research Award)

Abstract 108

3:30  IDENTIFYING MALIGNANT SMALL RENAL MASSES WITH RE-VASC, A
NOVEL RETROPERITONEAL NEOVASCULARITY SCORING SYSTEM.
C Fateri, B Roth, S Rao, E Ho, A Peta, L Limfueco, T Bui, N Kar, J Glavis-Bloom, J
Landman and R Houshyar, Irvine, CA; Seattle, WA. UC Irvine (WAFMR)

Abstract 109

3:45  RADIOThERAPY DOSE MAPS IMPROVE RADIOLOGISTS’ CONFIDENCE
AND ACCURACY IN INTERPRETING POST-TREATMENT THORACIC CTS.
Z Ferguson-Steele, K Newell, D Shin, M Noh, S Pipavath, J Tsai, T Gutschenritter and J
Kang, Seattle, WA. University of Washington School of Medicine

Abstract 110

4:00  THE PHYSIOLOGICAL ROLE OF RELT FAMILY MEMBERS IN HUMAN
CANCER AND CELLULAR APOPTOSIS.
E Chou, E Chang, A Yanumula, W Wang, J Zhou, G Cusick, Y Shi, E Mohamed and J
Cusick, Elk Grove, CA. California Northstate University

Abstract 111

4:15  MASTECTOMY RATES IN BREAST CANCER PATIENTS WITH
PATHOGENIC VARIANTS IN THE ATAXIA TELANGIECTASIA MUTATED
GENE.
M Kwan, J Culver, J Comeaux, C Ricker, M Tao, A Woodworth, A Okabe and J Ye, Los
Angeles, CA; Elk Grove, CA. University of Southern California

Abstract 112

4:30  A RARE CASE OF INTRAVENOUS IMMUNOGLOBULIN (IVIG) INDUCED
THROMBOCYTOPENIA IN A PATIENT PRESENTING IN MYASTHENIA
GRAVIS CRISIS.
Regional

Abstract 113

4:45  CREATION OF NARROW DIAMETER PROTON PENCIL BEAMS USING
OCTUPOLE MAGNETS.
S Kim, J Park, J Slater and G McAuley, Loma Linda, CA. Loma Linda University
(WSMRF)
5:00 IDENTIFYING PATIENTS WITH LUNG CANCER FROM ELECTRONIC HEALTH RECORDS: A SYSTEMATIC EVIDENCE REVIEW TO BRIDGE THE GAP BETWEEN RESEARCH AND REAL-WORLD IMPACT. AR Stevens, JR Malinowski, RT Levinson, M Chapman, SM Manemann, MP Wilson, SJ Bielinski, LV Rasmussen and LK Wiley, Aurora, CO; South Salem, NY; Heidelberg, Germany; London, United Kingdom; Rochester, MN; Chicago, IL. University of Colorado Anschutz Medical Campus (WSMRF)

Abstract 115

5:15 NARRATIVE REVIEW OF STRATEGIES FOR BLOOD PRODUCT SHELF-LIFE EXTENSION. M Akaraphanth, J Oudakker, M Paulson and T Getz, Aurora, CO. University of Colorado School of Medicine University of Colorado Center for COMBAT Research, University of Colorado School of Medicine

Abstract 116

5:30 CORONARY ARTERY DILATION IN EBV INDUCED HLH. DK Bhangal, J Snider and F Razzaqi, Madera, CA. Valley Children's Healthcare

Abstract 117

Neonatology General II
Babcock #6 (Sunset Center)
Rowena Cayabyab and Angela Desmond, Presiding

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

Abstract 118

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

Abstract 119

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

Abstract 120
4:00 EXTENDED FOLLOW-UP TRENDS IN EXTREMELY PRETERM INFANTS ENROLLED IN THE PRETERM ERYTHROPOIETIN NEUROPROTECTION (PENUT) TRIAL.
K Patel, D Horner, M Puia-Dumitrescu, K German, K Perez, GC Valentine, J Law, TR Wood, B Comstock, D Mayock, P Heagerty, S Juul and S Kolnik, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 121

4:15 PHILIP SUNSHINE STATE-OF-THE-ART SPEAKER:
ANTIBIOTIC STEWARDSHIP IN THE NICU: REVISITING FAMILIAR PRACTICES IN INFECTION MANAGEMENT.
Sagori Mukhopadhyay, Children's Hospital of Philadelphia

Abstract 122

4:45 OUTCOMES OF PREGNANCIES AFFECTED BY ALLOIMMUNIZATION IN A LARGE U.S. HEALTHCARE SYSTEM OVER SIX YEARS.
TM Bahr, SM Tweddell, JM Zalla, D Dizon-Townson, ER Henry, SJ Ilstrup, C Ling, PC Lindgren, E O'Brien and RD Christensen, Salt Lake City, UT; Murray, UT. University of Utah Intermountain Health (WSPR)

5:00 PROCALCITONIN LEVELS IN NON-INFECTED NEONATES IN THE PRESENCE OF RESPIRATORY DISTRESS WITHIN THE FIRST 48 HOURS OF POSTNATAL LIFE.
GA Lorusso Vivas, A Vachhani, R Ramanathan and R CAYABYAB, Los Angeles, CA; Orange, CA. Los Angeles General Medical Center

Abstract 123

5:15 NEONATAL HYPOTHERMIA PREVALENCE IN A TERTIARY REFERRAL BIRTHING CENTER IN NEPAL.
NEONATAL HYPOTHERMIA PREVALENCE IN A NEPALI TERTIARY REFERRAL BIRTHING CENTER.
BD Tomlin, A Mahato, N Bohara, A Bajracharya, B Fassl, A Judkins and S Dongol, Dhulikhel, Nepal; Salt Lake City, UT; Rootstown, OH. University of Utah (WSPR)

Abstract 124

5:30 BODY COMPOSITION ASSESSMENT USING POINT-OF-CARE ULTRASOUND FOR INFANTS ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT.
S Yeager, D Hendrixson, GM Cunha, GC Valentine, TR Wood and KM Strobel, Seattle, WA. University of Washington

Abstract 125

Neonatology Pulmonary II
Rehearsal Room (Sunset Center)
Lisa Joss-Moore and Sandra L. Leibel, Presiding
Jeff Fineman, University of California San Francisco

3:45 CONTINUOUS CHEST COMPRESSIONS WITH HIGH FREQUENCY JET VENTILATION IMPROVES GAS EXCHANGE IN ASPHYXIATED CARDIAC ARRESTED PRETERM LAMBS.
E Giusto, E Riley, D Sankaran, A Lesneski, R Valdez, M Hardie, VL Hammitt, S Lakshminrusimha and P Vali, Sacramento, CA; San Francisco, CA; Redding, CA; Davis, CA. University of California, Davis University of California, San Francisco

4:00 RANDOMIZED TRIAL OF EFFECTIVENESS OF PERIPHERAL VENOUS VS. UMBILICAL VENOUS ROUTES IN AN OVINE MODEL OF PERINATAL ASPHYXIAL ARREST.
R Valdez, E Giusto, A Lesneski, VL Hammitt, KC Tully, P Vali, S Lakshminrusimha and D Sankaran, Davis, CA. University of California, Davis

4:15 USE OF LONG-TERM VENTILATION FOR PRETERM INFANTS WITH SEVERE BRONCHOPULMONARY DYSPLASIA IN BRITISH COLUMBIA: A RETROSPECTIVE COHORT STUDY.
K Mundi, E Kieran, J Van Dyk and M Wright, Vancouver, BC, Canada. University of British Columbia

4:30 ANALYSIS OF SIGNALING PATHWAYS THAT CONTROL PROGENITOR EPITHELIAL CELL PROLIFERATION & DIFFERENTIATION USING HUMAN LUNG ORGANOIDS.
R Kibe, C Li, SM Smith and P Minoo, Los Angeles, CA. LAGMC University of Southern California (WSPR)

4:45 LAMELLAR BODY FORMATION IN LRRK2 -/- DISTAL LUNG ORGANOIDS.
E Smith, R McVicar and SL Leibel, La Jolla, CA. University of California San Diego (WAFMR)

5:00 IMPACT OF EARLY POSTNATAL TBX4 INSUFFICIENCY ON LUNG DEVELOPMENT AND PULMONARY HYPERTENSION IN INFANT MICE.
C Smith, KL Ding, G Seedorf and SH Abman, Aurora, CO. University of Colorado School of Medicine
5:15 TEMPORAL VALIDATION OF A MACHINE LEARNING-BASED PREDICTION TOOL FOR SURVIVAL WITHOUT BRONCHOPULMONARY DYSPLASIA.
V Vu, S Sakhamuru, F Chou and F Vora, Loma Linda, CA; Riverside, CA. Loma Linda University

5:30 OUTCOMES OF INFANTS REQUIRING SURFACTANT ADMINISTRATION THROUGH TWO DIFFERENT TECHNIQUES: LESS INVASIVE SURFACTANT ADMINISTRATION VS INTUBATION-SURFACTANT-EXTUBATION.
JK Sandhu, S Siddiqui, E Feliz Sala, R Ramanathan and M Biniwale, Los Angeles, CA. Los Angeles General Medical Center

Neuroscience I
Chapman #4 (Sunset Center)
Jorge Nieva, Presiding

3:15 INTRANASAL ADMINISTRATION OF NA-112, A SELECTIVE CALPAIN-2 INHIBITOR, PREVENTS SEIZURE-INDUCED HIPPOCAMPAL CALPAIN ACTIVATION.
HN Berndt, A Pogue, M Braga, T Reece, W Su, E Penna, X Bi and M Baudry, Pomona, CA. Western University of Health Sciences (WAFMR/WAP/WSCI Student Subspecialty Award)

3:30 EFFECTS OF PERIPHERAL OR CENTRAL INSULIN RECEPTOR INHIBITION ON BLOOD-BRAIN BARRIER PERMEABILITY.
T Bandarupalli, C Noonan, R Weaver, K Hansen, W Banks, M Erickson and E Rhea, Orlando, FL; Seattle, WA. University of Central Florida College of Medicine

3:45 ETHNIC AND RACIAL DISPARITIES IN PROGRESSION OF MULTIPLE SCLEROSIS IN THE UNITED STATES: A LITERATURE REVIEW.
M Gerges, R Cao, K Desai, A Hiranandani, C Jin, S Kang, S Lee and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)

4:00 ELEVATED ALANINE ON MAGNETIC RESONANCE SPECTROSCOPY IS ASSOCIATED WITH DEATH IN PEDIATRIC PATIENTS WITH HYPOXIC ISCHEMIC INJURY.
C Cole, M Dopp, B Bartnik-Olsen and P Kim, Loma Linda, CA. Loma Linda University

4:15 RESTORING CORNEAL SENSATION IN CHILDREN WITH NEUROTROPHIC KERATOPATHY: A SYSTEMATIC REVIEW.
R Cardey, V Yin, R Courtemanche, Y Tuen, S Shayan and T Kwan-Wong, Vancouver, BC, Canada. University of British Columbia

Abstract 138

4:30 EFFECTS OF CARDIAC ARRHYTHMIAS ON THE MORTALITY AND MORBIDITY IN PEDIATRIC PATIENTS WITH SEIZURE DISORDERS.
CY Cong, L Ghimire, H El Rahi and Z Torabyan, Fresno, CA. UCSF Fresno

Abstract 139

4:45 A REVIEW ON THE DIABETIC LUMBROSACRAL PLEXOPATHY BASED ON A 50 YEAR OLD PATIENT, A CASE REPORT.
KT Dao, L Johar, J Abraham, C Aranguri, M Clarke, HK Veedu and B Ly, Bakersfield, CA. Kern Medical Center

Abstract 140

5:00 VALIDATION OF CALPAIN-2-MEDIATED TRUNCATION SITES IN HUMAN PTPN13.
A Pogue, W Su, E Penna, T Reece, M Braga, HN Berndt, X Bi and M Baudry, Pomona, CA. Western University of Health Sciences

Abstract 141

5:15 UNCOVERING THE REAL NON-PSYCHIATRIC DIAGNOSIS: A RARE NEUROLOGICAL DISORDER.
A Zahid, J Thukral, H Kaur, AA Patel, KK Dargan, EW Hernandez, AM Lim, JK Oberndorf, R Hambartzhumian, S Macwan and J Robinson, Palm Desert, CA. Eisenhower Medical Center

Abstract 142

5:30 UNCOVERING DRY BERI BERI IN A PATIENT WITH CATATONIA.
E Davtyan, R Sharma and K Fox, Bakersfield, CA. Kern Medical

Abstract 143

Pulmonary and Critical Care I
Studio 105 (Sunset Center)
Denise Al Alam and Michael Schivo, Presiding

3:15 COMPLEMENT CONTRIBUTES TO HYPOXIA-INDUCED PLATELET ACTIVATION AND PULMONARY HYPERTENSION.
JN Posey, M Jordan, E Nozik and C Delaney, Aurora, CO. University of Colorado, Anschutz Medical Campus

Abstract 144

3:30 EFFECTS OF COUGH SUPPRESSION THERAPY IN PATIENTS WITH CONCURRENT CHRONIC REFRACTORY COUGH AND OROPHARYNGEAL DYSPHAGIA.
SA Chen, JF Kim, P Krishna, B Crawley and T Murry, Loma Linda, CA. Loma Linda University (WAFMR/WAP/WSCI Student Subspecialty Award)
3:45 TB OR NOT TB: A RARE PRESENTATION OF HYDROPNEUMOTHORAX SECONDARY TO COCCIDIOIDOMYCOSIS.
 VE Espinoza, S Mishra and K Fox, Bakersfield, CA. Kern Medical

4:00 ANALYSIS OF RESPIRATORY INJURIES IN CALIFORNIA FIREFIGHTERS, 2000-2020.
 M Murray, P Blanc, R Harrison and SA Gandhi, San Francisco, CA. UCSF

4:15 FROM DISGUST TO DISCOVERY: A RARE CASE OF OROPHARYNGEAL MYIASIS IN A CALIFORNIAN ICU.
 S Uddin, K Ghadiya, J Abraham, VE Espinoza and I Garcia-Pacheco, Bakersfield, CA; Saint Michael, Barbados. Kern Medical Center

4:30 HYPEROXIA SURVIVAL IDENTIFIES NOVEL LONG-LIVED, OBESITY, FATTY LIVER DISEASE, AND DIABETES-RESISTANT RAT STRAIN.
 AG Allen, Z Long, S Santoso, MD Post, EE Smith, PV Wilson and JE Repine, Aurora, CO; South Bend, IN; Evanston, IL. University of Colorado Anschutz Medical Campus

4:45 IMPROVING NON-EMERGENT NEONATAL TRACHEAL INTUBATIONS.
 R Shay, B Weikel, J Barry and T Grover, Aurora, CO. University of Colorado Hospital

5:00 TECHNICAL ASSESSMENT OF SIMULATED NEONATAL INTUBATION USING MULTI-ANGLE VIDEO.
 H Gu, M Cranshaw, R Galindo, T Alade, L Pineda, P McWilliam, D Powell, N Kent, J Fuerch, N Yamada and L Halamek, Palo Alto, CA; Washington, D.C.; Milton, MA; Rindge, NH. Stanford (WSPR)

5:15 EFFECT OF STEWARDSHIP ON INHALED NITRIC OXIDE USE IN A PRETERM INFANT POPULATION.
 SL Thompson, N Mullen, J Gross, J Love and J Maxwell, Albuquerque, NM. University of New Mexico

5:30 HEMODYNAMICALLY SIGNIFICANT PATENT DUCTUS ARTERIOSUS AND MODERATE TO SEVERE BRONCHOPULMONARY DYSPLASIA.
 AM Fyfe, J Love and S Markee, Albuquerque, NM. University of New Mexico

Abstracts 145, 146, 147, 148, 149, 150, 151, 152, 153
3:15  **AN ASSESSMENT OF BIOFILM FORMATION ON ACELLULAR DERMAL MATRIX IN BREAST IMPLANTS.**  
*LE Thomas*, EA Small, PF Carlson and S Gupta, Loma Linda, CA. *Loma Linda University (WAFMR Trainee Research Award) (WAFMR)*  
Abstract 154

3:30  **ENHANCING TRIAGE EFFICIENCY IN PLASTIC SURGERY: VALIDATION OF AN ARTIFICIAL INTELLIGENCE-DRIVEN DIALOGUE PROMPT FOR COMPLEX WOUND REFERRALS.**  
*EA Small*, K McMath, LE Thomas, PF Carlson and S Gupta, Loma Linda, CA. *Loma Linda University*  
Abstract 155

3:45  **NERVE WRAP FOR LOCAL DELIVERY OF TACROLIMUS ACCELERATES NERVE REGENERATION BY MODULATION OF SCHWANN CELL ACTIVITY WITHOUT CONCOMITANT SYSTEMIC LOADING.**  
*K Jabbari*, AA Su, B Xiao, F Feturi, Y van der Merwe, JM Barnett, NJ Khatrer, E Katzel, R Venkataramanan, MG Solari, W Wagner, DJ Simons, MB Steketee and K Washington, Pittsburgh, PA; San Diego, CA; Aurora, CO. *University of Colorado School of Medicine (WSMRF)*  
Abstract 156

4:00  **DIFFERENCES BETWEEN POSTERIOR INTEROSSEOUS ARTERY FLAP OUTCOMES ACROSS VARIOUS SOFT TISSUE DEFECT ETIOLOGIES.**  
*E Lascar* and J Friedrich, Seattle, WA. *University of Washington School of Medicine (WSMRF)*  
Abstract 157

4:15  **COMPARISON OF CELL VIABILITY OF AUTOLOGOUS FAT GRAFTS OBTAINED WITH OPEN VERSUS CLOSED SYSTEMS.**  
*PF Carlson*, EA Small, LE Thomas and S Gupta, Loma Linda, CA. *Loma Linda University School of Medicine*  
Abstract 158

4:30  **QUALITY OF LIFE AFTER SURGERY FOR ADOLESCENT GYNECOMASTIA.**  
*M Karpinski*, Y Tuen, R Courtemanche and JS Arneja, Vancouver, BC, Canada. *University of British Columbia BC Children's Hospital (WSMRF)*  
Abstract 159

4:45  **ESTABLISHING A RETROSPECTIVE GENITAL GENDER AFFIRMING SURGERY DATABASE.**  
*NC Kalaf*, JS Lin, O Awada and A Skokan, Seattle, WA. *University of Washington*  
Abstract 160
5:00 SURGICAL APPROACHES FOR CARPOMETACARPAL-1 OSTEARTHRITIS: A META-ANALYSIS OF DELTA PAIN SCORES AND CLINICAL IMPLICATIONS.
NM Sarli, N Golovachev, J Xavier, K Ghayyad and A Kachooei, Orlando, FL.
Adventhealth, Rothman Orthopaedic Institute (WSMRF)

Abstract 161

5:15 VALIDATION OF CHATGPT AS A TOOL TO OPTIMIZE READABILITY OF PATIENT-FACING PLASTIC SURGERY EDUCATION MATERIALS.
M Vallurupalli, ND Shah and R Vyas, Los Angeles, CA; Orange, CA. Keck School of Medicine of USC University of California, Irvine (WAFMR)

Abstract 162

5:30 SUCCESSFUL EXTENSION OF VASCULARIZED COMPOSITE ALLOGRAFT PERFUSION COLD STORAGE TO 24 HOURS IN A RAT HIND LIMB TRANSPLANT MODEL.
J Huang, P Ng, D Yoeli, Y Luo, Y Wang, B Li, L Lu, Z Wang, P Arrowsmith, S Jain, DW Mathes, K Washington, E Farkash, A Jani and CA Huang, Aurora, CO; Ann Arbor, MI. University of Colorado School of Medicine

Abstract 163

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WELCOME RECEPTION AND POSTER SESSION

Jointly sponsored by

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

Thursday, January 18, 2024
6:00 PM – 7:00 PM

Poster Session I - Posters 1-80
All Saints Church, Seccombe Hall
Ninth Avenue & Dolores St.

Poster Session II - Posters 81-152
Sunset Center, Carpenter Hall

Presentations will be from 6-7 pm
Odd numbered posters present from 6-6:30 pm
Even numbered from 6:30-7:00 pm
All welcome and encouraged to attend
## POSTER SESSION I

**Posters 1-80**  
All Saints Church, Seccombe Hall

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

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<td>164</td>
<td>EVALUATING THE IMPACT OF AN ADOLESCENT SEXUAL AND REPRODUCTIVE HEALTH EDUCATION PROGRAM IN INDIGENOUS THARU COMMUNITIES OF RURAL NEPAL.</td>
<td>SK Bondy, A Ho, P Kong, L Nakajima, A Chambers, J Cunningham, S Loughton and V Kapoor, Vancouver, BC, Canada. <em>University of British Columbia</em></td>
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<td>165</td>
<td>A PEDIATRIC DERMATOLOGY CASE: PERSISTENT LESIONS OF THE LOWER EXTREMITY IN A 13-YEAR-OLD BOY.</td>
<td>OS Cherepakhin and D Gupta, Seattle, WA. <em>University of Washington School of Medicine</em></td>
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<td>3</td>
<td>166</td>
<td>SKI AND SNOWBOARD INJURY PATTERNS IN THE UNITED STATES FROM 2010 TO 2020 IN PEDIATRIC PATIENTS.</td>
<td>M Dea and I Zapata, Parker, CO. <em>Rocky Vista University (WAFMR)</em></td>
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<td>167</td>
<td>ASSESSMENT OF FOOD SKILLS FOR FAMILIES WITH CHILDREN WITH CHRONIC KIDNEY DISEASE: A NOVEL APPROACH.</td>
<td>M Cushing, K Gibson and A Walch, Vancouver, BC, Canada. <em>University of British Columbia</em></td>
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<td>5</td>
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<td>BUILDING SUSTAINABILITY IN GLOBAL HEALTH EDUCATION PROGRAMS: DEVELOPMENT AND IMPLEMENTATION OF A TRAINING-</td>
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OF-TRAINERS MANUAL IN RURAL NEPAL.
A Ho, S Bondy, P Kong, J Cunningham, A Chambers, S Loughton, L Nakajima and V Kapoor, Vancouver BC, Canada. University of British Columbia

Abstract 168

6 DEVELOPMENT OF AN ADOLESCENT MENTAL HEALTH LITERACY NEEDS ASSESSMENT IN RURAL NEPAL.
P Kong, S Bondy, A Ho, J Cunningham, A Chambers, S Loughton, L Nakajima and V Kapoor, Vancouver, BC, Canada. The University of British Columbia

Abstract 169

7 TRANSITION OF CARE FROM INPATIENT TO OUTPATIENT SETTING: PERSPECTIVES OF PARENTS ABOUT ASTHMA ACTION PLAN.
K Mazloom, D Chin, H Nguyen-Tang and B Afghani, Orange, CA. UC Irvine School of Medicine Children's Hospital of Orange County (WSMRF)

Abstract 170

8 HARNESING COMMUNITY STRENGTHS: STRATEGIES FOR SUICIDE PREVENTION IN ANACONDA, MONTANA.
KT Beach and T Keys, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 171

9 THE EFFECT OF REFLECTIVE WRITING AND BREASTFEEDING ON SELF-EFFICACY SCORES.
M Estafanous, R Lorson, S Son, A Maidan, A Thomas and E Hart, Loma Linda, CA. Loma Linda University

Abstract 172

10 PERSPECTIVES OF LOCAL EXPERTS AND STUDENTS ON THE MENTAL HEALTH OF BHUTANESE YOUTH AND YOUNG ADULTS.
C Siu, H Hsiao, G Lam and V Kapoor, Vancouver, BC, Canada. University of British Columbia

Abstract 173

11 INTERVENTIONS IN THE NICU FOR FATHERS/PARENTING PARTNERS COPING AND BONDING WITH BABY: A SCOPING REVIEW.
C Solness, K Huber, C Casler, D Starzyk and AG Dempsey, Denver, CO. University of Colorado

Abstract 174

12 PSYCHOLOGICAL INTERVENTIONS OF VIRTUAL GAMIFICATION WITHIN ACADEMIC INTRINSIC MOTIVATION: A SYSTEMATIC REVIEW.
J Xu and H Dhaliwal, Hamilton, BC, Canada; Los Angeles, CA. David Geffen School of Medicine

Abstract 175
13 EFFECTS OF HEAD TRAUMA FREQUENCY AND INTENSITY ON FOOTBALL PLAYERS IN HIGH, MODERATE, AND LOW CONTACT POSITIONS.
W Tsushima and H Yamamoto, Honolulu, HI; Los Angeles, CA. UCLA

14 FREQUENCY OF NEGATIVE ADULT SPECTATOR BEHAVIOR AT YOUTH (11-14 Y/O) SPORTING EVENTS.
MY Yung, EA Rooks, R Chen, S Maarat, R Doyle and LG Yamamoto, Honolulu, HI.
University of Hawaii John A. Burns School of Medicine

15 CONSTIPATION-INDUCED DELIRIUM.
M Zahid and N Quillatupa, Bakersfield, CA. Kern Medical Center

16 AIR POLLUTION AS AN ENVIRONMENTAL STRESSOR IN THE PATHOGENESIS OF CARDIOVASCULAR DISEASES: A REVIEW OF THE UNDERLYING PATHOPHYSIOLOGICAL MECHANISMS.
Z Ahmed and DK Agrawal, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)

17 LONG TERM OUTCOME OF ISOLATED FIRST-YEAR C1Q POSITIVE DONOR SPECIFIC ANTIBODIES AFTER HEART TRANSPLANTATION.
Z Wakefield, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

18 DOES TARGETING LOWER LEVELS OF TACROLIMUS MAKE A DIFFERENCE AFTER HEART TRANSPLANTATION?
N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)

19 IS CROSSING DSA DETECTED IN THE DILUTION ASSAY SAFE FOR PATIENTS UNDERGOING HEART TRANSPLANT?
A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

20 AN UNEXPECTED LARGE RIGHT ATRIAL THROMBUS DURING PATENT FORAMEN OVALE CLOSURE.
J Kim and S Kar, Thousand Oaks, CA. Los Robles Medical Center
21 EFFECT OF INCREASED INTERHOSPITAL TRANSFER TIMES ON HEALTH OUTCOMES IN CRITICAL CARDIAC CARE IN BRITISH COLUMBIA AND THE YUKON IN CANADA.
S Lakhani, C Taylor and K Ramanathan, Vancouver, Canada. University of British Columbia (WSMRF)

Abstract 184

22 EFFECT OF CARVEDILOL AND R-CARVEDILOL ON NITROGEN MUSTARD INDUCED MRNA OVEREXPRESSION OF PRO-INFLAMMATORY GENES IN THE SKIN OF SKH-1 MICE.
R Miwalian, A Shahid and Y Huang, Pomona, CA. Western University of Health Sciences - College of Osteopathic Medicine of the Pacific

Abstract 185

23 ARTIFICIAL INTELLIGENCE IN THERAPEUTIC MANAGEMENT OF HYPERLIPIDEMIA AND OCULAR PATHOLOGY.
A Petrosyan, K Inouye, L Moskalensky and FG Thankam, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

Abstract 186

24 PULMONARY EMBOLISM AND STROKE: A CASE REPORT OF A LARGE BIATRIAL THROMBUS SADDLING A PFO.
R Sharma, K Ghadiya, J Garcia, G Kooner and F Joolhar, Bakersfield, CA. David Geffen School of Medicine

Abstract 187

25 A CASE OF PERONEAL ARTERY PSEUDOANEURYSM: TREATMENT AND LONG-TERM FOLLOW-UP.
KG Thayapran and R Rafie, Aurora, CO; Visalia, CA. University of Colorado School of Medicine

Abstract 188

26 A BROKEN HEART FAMILIAL DILATED CARDIOMYOPATHY PRESENTING WITH BILATERAL INTRAVENTRICULAR THROMBII AND MULTIPLE ARTERIAL THROMBOEMBOLII.
S Uddin, S Aboaid, R Sharma and G Petersen, Bakersfield, CA. Kern Medial Center

Abstract 189

27 SNORTING, SHOOTING, OR SWALLOWING METHAMPHETAMINE: DOES ROUTE OF ADMINISTRATION AFFECT YOUR HEART HEALTH?.
SA Yip, S Dulani, A Narasimhan, K Wieselthier, J Brown, S Saito and S Fuchs, Pomona, CA; Lebanon, OR; Bakersfield, CA, CA. Western University of Health Sciences - College of Osteopathic Medicine of the Pacific

Abstract 190
28 ASSOCIATION OF PEDIATRIC POST-OPERATIVE OUTCOMES WITH GENDER, RACE AND ETHNICITY IN CANADA.
J Zhang, R Boldut, A Duan, A Kwong, D Duffy and K Afshar, Vancouver, Canada. 
University of British Columbia BC Children's Hospital

Abstract 191

29 REIMAGINING HEALTHCARE FOR CHILDREN - A PIVOT EMPHASIZING JUSTICE AND HUMAN DIGNITY.
A Mowery, J Reiley and L Brunelli, Salt Lake City, UT. University of Utah

Abstract 192

30 QUALITY IMPROVEMENT INITIATIVE TO REDUCE DISPARITIES IN HUMAN DONOR MILK UTILIZATION.
K Daly-Jensen, J Rodriguez, L Gievers and S Khaki, Portland, OR. Oregon Health and Science University

Abstract 193

31 COMMUNITY VOLUNTEERS IMPROVE MENTAL HEALTH OUTCOMES FOLLOWING DELIVERY OF A SCHOOL-BASED MENTAL HEALTH LITERACY PROGRAM TO YOUTH: ADVOCATES 4 ALL YOUTH (ALLY).
M Izere, SN Wilson, C Mata, S Simon and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus

Abstract 194

32 EXPLORING RACIAL AND ETHNIC DISPARITIES IN THE EVALUATION OF CHILD ABUSE IN VERY YOUNG PEDIATRIC PATIENTS.
M Jiang, S Bryant, A Dao, K Joshi, A Krishnan, K Vellanki, Y Yang and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)

Abstract 195

33 HEREDITARY ANGIOEDEMA: AN ACUTE EXACERBATION TRIGGERED BY SUN EXPOSURE.
J Abraham, N Al-Yousfi and S Mishra, Bakersfield, CA. Kern Medical

Abstract 196

34 THE SPECTRUM OF DISEASE EXPRESSION IN X-LINKED DISORDERS USING COFFIN LOWRY SYNDROME CASE.
K Barbour and M del Campo, San Diego, CA. University of California San Diego

Abstract 197

35 ESTABLISHING A DATABASE TO RELIABLY AND EFFICIENTLY IDENTIFY PATIENTS ELIGIBLE FOR NOVEL GENE THERAPIES.
R Boldut, A Kwong, L Armstrong, J Gardiner, L Prentice, P Wokhloo and D Duffy, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital

Abstract 198
36 VASCULAR EHlers-Danlos Syndrome and Von Willebrand Disease: Case Report and Review of Literature.
A Gomes and M del Campo, San Diego, CA. UCSD

37 Familial Case of Aplasia Cutis Congenita and Ectrodactyly Skeletal Syndrome - A Case Report and Literature Review.
K Parashar, K Wigby, A Feigenbaum and M del Campo, San Diego, CA; Davis, CA. University of California at San Diego Rady Children's Hospital

38 “15 Years of Muscle Weakness”: A Case of Limb Girdle Muscular Dystrophy.
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S Dulani, S Mishra and K Fox, Bakersfield, CA; Los Angeles, CA. Kern Medical Center Western University of Health Sciences, College of Osteopathic Medicine of The Pacific
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A Rodriguez, E Davtyan and B Mann, Bakersfield, CA. Kern Medical

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S Cheung, C Tay and A Iacob, Orange, CA; Long Beach, CA. University of California Irvine

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64 NEONATAL GASTRIC PERFORATION: CASE SERIES.
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S Rice-Townsend, M Puia-Dumitrescu, K Riehle, M Dellinger, D Yung, E Jackson, C Foster, J Ashe, R Stark and R DiGeronimo, Seattle, WA. Seattle Children's Hospital

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R Sanchez, B Pham, A Boriski, W Brock, Y Mareno, L Dexheimer, L Catalan, S Freeman, T Geolina, A Lim, J Iseri, T Glenn and K Marc-Aurele, San Diego, CA. University of California San Diego

MATERNAL AND NEONATAL RISK FACTORS FOR THE SURGICAL TREATMENT OF NECROTIZING ENTEROCOLITIS.
JK Sandhu, L Barton, M Biniwale, R Ramanathan and A Yeh, Los Angeles, CA. Los Angeles General Medical Center

PREDICTORS OF BLOOD GLUCOSE LEVEL IN LATE PRETERM AND TERM INFANTS AT RISK FOR HYPOGLYCEMIA WITHIN THE FIRST HOUR OF LIFE.
S Siddiqui, JY Massoumi, V Becerra, FB Wertheimer, R Ramanathan and R C, Los Angeles, CA. University of Southern California/Los Angeles General Medical Center

RISK FACTORS FOR VERY LOW BIRTH WEIGHT INFANTS WITH ABNORMAL NEURODEVELOPMENTAL PATTERN DETECTION IN THE FIRST YEAR OF LIFE AND ITS IMPACT ON FUTURE DEVELOPMENT.
H Thirumalai, S Manickam, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine of USC

BASELINE ASSESSMENT OF PRENATAL, PERINATAL, AND POSTNATAL CARE ON NEWBORN HEALTH OUTCOMES IN RURAL NEPAL.
P Tran, N Price, B Lamichhane and B Fassl, Rootstown, OH; Kathmandu, Nepal. Northeast Ohio Medical University

A COMPARISON OF FIVE DEFINITIONS OF NECROTIZING ENTEROCOLITIS.
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N Wong, A Siu and K Wong Ramsey, Honolulu, HI. Hawai'i Pacific Health

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K Newton, Loma Linda, CA. Loma Linda University Children's Hospital

77 TWO CASES OF ANTERIOR SHOULDER DISLOCATION AND FRACTURE SECONDARY TO GENERALIZED TONIC-CLONIC SEIZURE.
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78 RARE CASE OF PONTINE BLEED AS AN ADVERSE EFFECT OF ACALABRUTINIB.
K Sabetian, Bakersfield, CA. Kern Medical

79 NAVIGATING THE COMPLEXITY: A UNIQUE CASE OF AUTOIMMUNE ENCEPHALITIS.
MP Reyes and S Thiagarajan, Porterville, CA. Sierra View Medical Center

80 UNDER PRESSURE: PULMONARY ARTERIAL HYPERTENSION PREVENTS HEMODYNAMIC COLLAPSE IN PERICARDIAL TAMPOANE.
S Uddin, N Nikolov, H Hajeh, T Jestila and G Petersen, Bakersfield, CA. Kern Medical Center
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81 ACCESSING THE EFFECTS OF THE COVID-19 PANDEMIC ON SURGICAL RESIDENT EDUCATION AT LARGE ACADEMIC CENTERS BY STATE AND SPECIALTY.
C Alcantara, J Trinh, C Nerison, L Zeigen, S Bowden and H Szurmant, Pomona, CA; Lebanon, OR; Portland, OR. Western University of Health Sciences (WSMRF)
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82 DECREASING ORTHOPEDIC PAN SIZE CAN INCREASE COST-EFFECTIVENESS, EFFICIENCY, AND SUSTAINABILITY.
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84 PERINATAL CARE QUALITY REVIEW IN RURAL DISTRICT OF NEPAL.
M Brockwell, B Lamichhane and B Fassl, Rootstown, OH. Northeast Ohio Medical University (WSMRF)
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85 EVALUATING FAMILY-CENTERED CARE: PARENTS’/CAREGIVERS’, ADOLESCENT PATIENTS’, AND HEALTH CARE PROVIDERS’ PERSPECTIVES.
CB Cook, G Study and A Elliott, Vancouver, BC, Canada. University of British Columbia
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86 HELPING YOUTH SELF-IDENTIFY MOTIVATIONS AND STRATEGIES TO INCREASE HELMET USE IN KOTZEBUE, ALASKA.
G Denney and T Keys, Seattle, WA. University of Washington School of Medicine
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87 CW: BIRTH TRAUMA, A REDDIT ANALYSIS.
N Eaton, A Nelson and S White, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)

88 WHAT ISSUES DO AMERICAN WOMEN CARRYING BREECH BABIES DISCUSS ON SOCIAL MEDIA?
E Fisher and AL Nelson, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences

89 PATIENT CHARACTERISTICS OF THOSE SERVED BY A TELEHEALTH MEDICATION ABORTION SERVICE IN 5 U.S. TERRITORIES.
S Gibbons, A Fiastro and E Godfrey, Seattle, WA. University of Washington

90 THE EFFECT OF INTERVENTIONAL PROGRAMS TO INCREASE CERVICAL CANCER SCREENING IN MARGINALIZED POPULATIONS.
S Guarina, J Borges, M Kanchrakuntla, A Myoung, I Padhi, C Pham, V Velazquez and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)

91 ASSESSING NURSING PERSPECTIVES ON SURGICAL CO-MANAGEMENT IN PEDIATRICS.
R Gupta, D Lehman, J Zamkoff, M Brittan and S Ziniel, Aurora, CO; Palo Alto, CA. Children's Hospital Colorado University of Colorado School of Medicine (WAFMR)

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93 ENHANCING PAIN MANAGEMENT AND EDUCATION IN DANG, NEPAL: INSIGHTS FROM A COMMUNITY AND HEALTHCARE WORKER NEEDS ASSESSMENT.
J Handra, J Cunningham, S Yu, J Penner, D Sapkota and V Kapoor, Vancouver, BC, Canada; Kathmandu, Nepal. University of British Columbia

94 UNDERSTANDING THE BARRIERS AND HESITANCIES TOWARD THE COVID-19 VACCINATION IN A SAFETY-NET HOSPITAL IN PHOENIX, AZ.
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95 MEDICAL STUDENTS’ ATTITUDES TOWARDS MEDICOLEGAL RISK IN OBSTETRICS & GYNECOLOGY.
KZ Huynh, AV Thai, TA Pickering and H Stohl, Torrance, CA; Los Angeles, CA; Pomona, CA. Harbor-UCLA Medical Center

96 PROMOTING THE USE OF TRADITIONAL INGREDIENTS TO IMPROVE FOOD SECURITY AND HEALTH IN THE BRISTOL BAY AREA REGION.
MT Kaden-Hoffmann and T Keys, Seattle, WA. University of Washington School of Medicine (WAFMR)

97 NAVIGATING BREECH: EXTERNAL CEPHALIC VERSION IN MEDICAL EDUCATION.
M Kaye, AL Nelson, F Dong and H Stohl, Pomona, CA; Torrance, CA. Western University of Health Sciences

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T Keys, Seattle, WA. University of Washington

99 UNLOCKING MEDICAL COMMUNICATION MASTERY: A CREATIVE PATH THROUGH THE MEDICAL IMPROVISATION ELECTIVE.
A Khan, SI Siddiqui and A Hayton, Loma Linda, CA. Loma Linda University Health

100 OPTIMIZING THE ORGANIZATION OF FAMILIAL GENETIC TESTING INFORMATION IN AN INHERITED RETINAL DYSTROPHY REGISTRY.
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101 BURNED OUT BY THE START OF A NEW YEAR? A CROSS-SECTIONAL ASSESSMENT OF RESIDENT-REPORTED BURNOUT SYMPTOMS AMONG RESIDENTS FROM MULTIPLE PROGRAMS AT A SINGLE INSTITUTION.
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HS Mills and T Keys, Seattle, WA. University of Washington School of Medicine

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K Nakashima, C Xu, S Park, M Aldoghmi, N Llauro, D Aguilar, S Shieh, A Anavim and R Houshyar, Orange, CA. University of California, Irvine

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M Nolan, C Loc-Carrillo, B Chan, M Elkayssi, C Ling, F Drews and P Grubb, Salt Lake City, UT. University of Utah (WSPR)

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O Nwankwo, A Ongiyiu, G Sajdak, A Hayton and J ChenFeng, Loma Linda, CA; Pasadena, CA. Loma Linda University (WAFMR)

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111 PEDIATRIC EDUCATIONAL DISCUSSION SCENARIOS: EMPOWERING RESIDENTS TO COPE WITH DIFFICULT PATIENT ENCOUNTERS AND ADVERSE MEDICAL EVENTS.
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112 CULTIVATING FOOD SECURITY: AN EXAMINATION OF FOOD ACQUISITION AND SCARCITY IN RURAL NEPAL.
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114 FIGHTING MEDIA WITH MEDIA: ADDRESSING THE YOUTH MENTAL HEALTH CRISIS IN GILLETTE, WYOMING BY MEETING THEM WHERE THEY’RE AT.
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115 STEP 1 TO WELLNESS: A STUDENT-LED RESILIENCE INITIATIVE DURING USMLE STEP 1 STUDYING.
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116 A FRESH TAKE ON FEMININE CARE: DESCRIBING WOMEN’S NON-MENSTRUAL HYGIENE PRACTICES AND PERCEPTIONS.
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117 AGE FRIENDLY HEALTHCARE IN RAWLINS, WYOMING.
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131 MISSED DIAGNOSIS OF A RARE RETRO-PATELLAR JUNCTA-ARTICULAR ANGIOLEIOMYOMA: A CASE REPORT.
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137 A DEDICATED OUTBOUND SCHEDULER IMPROVES CLINIC UTILIZATION AND ACCESS TO CARE.
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139  CONSENSUS GUIDELINES FOR INFECTION REDUCTION IN DEEP BRAIN STIMULATION SURGERY: A MODIFIED DELPHI STUDY.
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Abstract 304

142  THE IMPACT OF SOCIAL VULNERABILITY ON AORTIC ARCH SURGERY.
A Shah, AM Carroll, A Suarez-Pierre, JY Rove, C Velopulos, M Aftab and TB Reece, Aurora, CO. University of Colorado School of Medicine
Abstract 305

143  PATIENTS WITH LUMBAR DEGENERATIVE SPINE DISEASE ARE SATISFIED WITH OUTCOME MEASURE SURVEYS.
J Sheasley and M Dohm, Seattle, WA; Minneapolis, MN. University of Washington School of Medicine
Abstract 306

144  EMERGENT ABOVE-KNEE-AMPUTATION IN A VASCULOPATHIC PATIENT.
C Shen and C Soria, San Diego, CA. University of California San Diego
Abstract 307

145  ANALYZING THE ASSOCIATION BETWEEN SOCIAL VULNERABILITY INDEXES AND SURGICALLY UNDERSERVED AREAS IN THE INLAND EMPIRE.
B Shin, MD Wongworawat and M Baum, Loma Linda, CA. Loma Linda University
Abstract 308

146  ANATOMICAL VARIATIONS AND FUNCTIONAL CONSIDERATIONS OF QUADRATUS PLANTAE IN RECONSTRUCTIVE FOOT SURGERY.
SK Sidhu and J Atterholt, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific
Abstract 309
147 ANALYSIS OF RISK-ADJUSTED SURGICAL OUTCOMES IN THE ACS-NSQIP DEMONSTRATES IMPROVEMENTS OVER TIME.
K Thompson, CM Stuart, MR Bronsert, W Henderson and R Meguid, Aurora, CO. University of Colorado School of Medicine

Abstract 310

148 A SURVEY ON ENHANCED RECOVERY AFTER SURGERY ELEMENTS IN PEDIATRIC ORTHOGNATHIC SURGERY.
M Vallurupalli, J Fligor and R Vyas, Los Angeles, CA; Orange, CA. Keck School of Medicine of USC University of California, Irvine (WAFMR)

Abstract 311

149 ORTHOPEDIC INJURY AND INTIMATE PARTNER VIOLENCE; UPPER EXTREMITY FRACTURE PATTERNS: A LITERATURE REVIEW.
RE Willson and H Martinson, Seattle, WA; Anchorage, AK. University of Washington School of Medicine

Abstract 312

150 AN INNOVATIVE WAY TO UPGRADE PATIENT AND PROVIDER EXPERIENCES: ONE-4-ALL.
SN Wilson, C Mata, M Izere, SN Acker and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus

Abstract 313

151 RATES OF NON-UNION FOLLOWING ARTHRODESIS OF FIRST METATARSOPHALANGEAL JOINT: A META-ANALYSIS.
J Xavier, C Miller, NM Sarli, N Golovachev, K Ghayyad and A Kachooei, Loma Linda, CA; Orlando, FL; Brooklyn, NY. Loma Linda University Rothman Orthopedics

Abstract 314

152 ADVERSE EVENTS ASSOCIATED WITH MALE ARTIFICIAL URINARY SPHINCTER: A REVIEW OF THE MANUFACTURER AND USER FACILITY DEVICE EXPERIENCE DATABASE.
J Yazditiabar, E Wright and A Cohen, Baltimore, MD. Johns Hopkins University (WSMRF)

Abstract 315

CONCURRENT SESSIONS
Friday, January 19, 2024
8:00 AM – 10:00 AM

Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
Adolescent Medicine and General Pediatrics I
Studio 105

Cardiovascular III
Promenade Lobby

Case Reports I
Carpenter Hall

Endocrinology and Metabolism II
Carmel Women’s Club

Gastroenterology
Babcock #6

Genetics I
Rehearsal Room

Neonatology – General III
All Saints Church, Seccombe Hall

Neonatology – Perinatal Biology I
Chapman #4

Surgery III
Room 5, Sunset Center

Translational Science
Conductor's Room

Adolescent Medicine and General Pediatrics II
Studio 105 (Sunset Center)
Diane E. Stafford, Presiding

8:00 SCREENING AND INTERVENTION FOR ADOLESCENT OPIOID USE DISORDER IN THE EMERGENCY DEPARTMENT.
C Buresh, Seattle, WA. Seattle Children's Hospital University of Washington

Abstract 316

8:15 PARENTS’ PERCEPTIONS OF SOCIAL NEEDS SCREENING AFTER PEDIATRIC HOSPITAL DISCHARGE.
A Hollo, N Mason, R Gupta, J Gambino, J Thomas and M Brittan, Denver, CO; Aurora, CO. University of Colorado

Abstract 317

8:30 DO SPORTS PREPARTICIPATION EVALUATIONS FOR PEDIATRIC PATIENTS FOLLOW RECOMMENDATIONS FROM THE AMERICAN ACADEMY OF PEDIATRICS.
TNg, J Magee-Gonzalez, S Taylor and U Shaikh, Sacramento, CA. UC Davis Health

Abstract 318

8:45 REVOLUTIONIZING ADOLESCENT HUMAN IMMUNODEFICIENCY VIRUS SCREENING: PAVING THE WAY FOR POINT OF CARE TESTING IN PEDIATRIC CLINICS.
M Abutouk, G Pina and R Davidge, Loma Linda, CA. Loma Linda University

Abstract 319

9:00 PARENT PERSPECTIVES ON PEDIATRIC INTERVENTIONS TO ADDRESS ADVERSE CHILDHOOD EVENTS.
J Mangunsong and A Marie-Mitchell, Loma Linda, CA. Loma Linda University
9:15 NAVIGATING IDENTITY DEVELOPMENT AND PSYCHOLOGICAL ADAPTATION IN ADOLESCENTS WITH GENETIC CONDITIONS: CONSIDERATIONS FOR GENETIC COUNSELLING AND ADOLESCENT MEDICINE.
T Wainstein, J Austin and A Elliott, Vancouver, BC, Canada. University of British Columbia BC Children's Hospital Research Institute (WSPR Reckitt/Mead Johnson Subspecialty Award)

9:30 PROLACTA BIOMEDICAL STATE-OF-THE-ART LECTURE: TRANSITION TO ADULT CARE.
Michael Hughes. Stanford University

Cardiovascular III
Promenade Lobby (Sunset Center)
Joshua Goldhaber, Presiding

8:00 THE OUTCOME OF BIOPSY NEGATIVE REJECTION AFTER HEART TRANSPLANTATION: DOES SEVERITY OF BNR MATTER?
J Hu, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute (WSMRF)

8:15 DOES DONOR DIABETES LEAD TO POOR OUTCOME AFTER HEART TRANSPLANT?
R Patel, T Singer-Englar, A Kanungo, N Bhatnagar, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

8:30 5-YEAR OUTCOME AFTER CORONARY STENT PLACEMENT IN HEART TRANSPLANT RECIPIENTS.
C Cristobal, T Singer-Englar, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

8:45 CONCOMITANT CELL-FREE DNA AND DONOR SPECIFIC ANTIBODIES: DO THEY PREDICT OUTCOMES AFTER HEART TRANSPLANT?
J Kermanshahchi, T Singer-Englar, N Bhatnagar, A Kanungo, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Institute (WSMRF)

9:00 IMPACT OF ANTHROPOMETRIC FACTORS AND PATHWAY GEOMETRY ON POSTOPERATIVE HEMODYNAMICS IN EXTERNAL PERICARDIAL
LATERAL TUNNEL FONTAN SURGERY.
K Nguyen, J Razzouk, S Nageotte, J Lee, A Razzouk and R Fortuna, Loma Linda, CA. Loma Linda University School of Medicine

9:15 EFFECTS OF GENERAL ANESTHESIA ON LEFT VENTRICULAR SYSTOLIC FUNCTION.
H Arif, F Li, S Jelacic and B Mackensen, Seattle, WA. University of Washington School of Medicine

9:30 ASSOCIATION OF NEIGHBORHOOD-LEVEL SOCIAL DETERMINANTS OF HEALTH AND LOSS OF GLYCEMIC CONTROL DURING THE COVID-19 PANDEMIC.
B Sedaghat, A Kwan, T Huang and J Ebinger, North Chicago, IL; Los Angeles, CA. Rosalind Franklin University - Chicago Medical School (WSMRF)

9:45 INFECTIVE ENDOCARDITIS AFTER TRANSCUTANEOUS AORTIC VALVE REPLACEMENT (TAVR): HIGHLIGHTING THE NEED FOR REVISED ANTIBIOTIC PROPHYLAXIS GUIDELINES.
H Hajeh, VK Narang, J Abraham and T Win, Bakersfield, CA. Kern Medical

Case Reports I
Carpenter Hall
W. Conrad Liles, Presiding

8:00 SOFT TISSUE CALCIFICATIONS, END-ORGAN RESISTANCE TO MULTIPLE HORMONES, AND COMPLEX INHERITANCE PATTERNS IN A MULTIGENERATIONAL FAMILY.
A Hall, G Akay, D Viskochil and SL Cole, Salt Lake City, UT. University of Utah School of Medicine

8:15 H3F3B-RELATED NEURODEGENERATIVE DISORDER: A NEW CASE REPORT.
L Chilakamarri and GM Enns, Palo Alto, CA. Stanford University

8:30 MENKE’S DISEASE: AN OVERVIEW OF THE PATHOPHYSIOLOGY, DIAGNOSIS AND MANAGEMENT.
KL Eckert, MM Martin and JJ Shen, Sacramento, CA. UC Davis
8:45 EXPANDING THE PHENOTYPE OF FUMARALYSSA TE HYDRATASE DEFICIENCY.
AM Sule, L Calderwood and DR Matalon, Palo Alto, CA. Stanford University
Abstract 333

9:00 NAVIGATING SOTOS SYNDROME: A COMPLEX CASE WITH PERSISTENT GASTROINTESTINAL AND ENDOCRINE CHALLENGES.
S Basharkhah, D Luz and M Li, Chicago, IL; Stanford, CA. Rush Medical College
Abstract 334

9:15 CARBONIC ANHYDRASE DEFICIENCY IN A NEONATE: A CASE REPORT.
E Null, L Keehan, L Forero Zapata, DR Matalon and GM Enns, Palo Alto, CA. Stanford University
Abstract 335

9:30 FAMILIAL PARTIAL DELETION WILLIAMS SYNDROME - A CASE REPORT.
K Parashar, LM Bird and M del Campo, San Diego, CA. UCSD Rady Children’s Hospital
Abstract 336

9:45 A CASE OF CONGENITAL GLAUCOMA: EXPANDING THE PHENOTYPE OF USP9X-ASSOCIATED NEURODEVELOPMENTAL DISORDER.
ER Vieta-Ferrer and Y Huang, Los Angeles, CA. UCLA
Abstract 337
Endocrinology and Metabolism II
Carmel Women's Club
Shan H. Luo, Presiding

8:00  LOOKING BEYOND BODY MASS INDEX: A PILOT STUDY EXAMINING THE IMPACT OF ADIPOSITY ON FEMALE HEALTH.
AM Ward, L Nunez, A Aguiar Bonfim Cruz, AF Brown and B Fehrenkamp, Moscow, ID. University of Idaho University of Washington School of Medicine

Abstract 338

8:15  ANALYSIS OF INFLAMMATORY MARKERS IN RESPONSE TO INDUCTION OF REPROMETABOLIC SYNDROME BY A EUCALORIC HIGH FAT DIET IN NORMAL WEIGHT WOMEN.
T Nguyen, K Kuhn, M Bolt, A Bradford and N Santoro, Aurora, CO. University of Colorado School of Medicine

Abstract 339

8:30  HYPOTHALAMIC GLIOSIS IS ASSOCIATED WITH MULTIPLE CARDIOVASCULAR DISEASE RISK FACTORS.
J Lo, SJ Melhorn, A Huang, S Kee, K Olerich and E Schur, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WAFMR)

Abstract 340

8:45  "DIETARY SUPPLEMENT USE IN INFANTS AND TODDLERS IN THE EXTRAORDINARY BABIES STUDY".
E Todd, S Davis, M Brown and N Tartaglia, Aurora, CO. Children's Hospital Colorado

Abstract 341

9:00  AGRP NEURON INACTIVATION INDUCES SUSTAINED AMELIORATION OF HYPERGLYCEMIA IN DIABETIC LEP<sup>OB/OB</sup> MICE.
Y Gou, M Glat, A Leung, BA Phan, C Bryan, SA Mathan, V Damian, PP Choi, CA Watts, E Quah, IK Redford, J Scarlett, G Morton and M Schwartz, Seattle, WA. University of Washington Medicine Diabetes Institute

Abstract 342

9:15  A CASE OF NODULAR CYSTIC FAT NECROSIS AFTER WHIPPLE PROCEDURE.
JL Wittmann, I Mannering and J Shackelton, Reno, NV. University of Nevada, Reno School of Medicine

Abstract 343

9:30  ROLE OF IKBB IN THE Pancreatic INFLAMMATORY RESPONSE TO NUTRIENT-INDUCED STRESS.
M Solar, A White, CJ Wright and P Rozance, Denver, CO. University of Colorado Anschutz Medical Campus

Abstract 344
9:45 CAN THERMAL IMAGING ASSIST IN EARLY DETECTION OF DIABETIC SMALL FIBER NEUROPATHY?
E Duran-Valdez, P Soliz, S Saint-Lot, T Duro and DS Schade, Albuquerque, NM. University of New Mexico

Gastroenterology
Babcock #6 (Sunset Center)
John Inadomi and Hal Yee, Presiding

8:00 CHARACTERIZING THE INTESTINAL CHONDROITIN SULFATE GLYCOLAMINGLYCAN SULFATION CODE IN INFLAMMATORY BOWEL DISEASE.
K Francis, H Zheng, DL Suskind, BA Phan, M Nuding, G Morton, M Schwartz, K Alonge and J Scarlett, Seattle, WA. Seattle Children’s Hospital University of Washington (WAP/WSCI Travel Award Winner)

8:15 AN ODD PRESENTATION OF DYSPHAGIA DUE TO PERICARDIAL EFFUSION.
H Ipalawatte, A Ahl, A Gower and J Takher, Thousand Oaks, CA. HCA Los Robles Regional

8:30 A PILOT STUDY INVESTIGATING THE EFFECTS OF HUMAN MILK ON INTESTINAL IMMUNE DEVELOPMENT IN A NEONATAL PIGLET MODEL.
R Badger, L Nunez and B Fehrenkamp, Seattle, WA; Moscow, ID. University of Washington School of Medicine University of Idaho (WAFMR/WAP/WSCI Student Subspecialty Award)

8:45 NATIVE SPLENOCALV SHUNT IN A CIRRHOTIC PATIENT.
M Oliinik and J Floresca, Loma Linda, CA. Loma Linda University

9:00 BODY COMPOSITION AND PEDIATRIC OBESITY AND METABOLIC DYSFUNCTION-ASSOCIATED STEATOTIC LIVER DISEASE USING MAGNETIC RESONANCE IMAGING AND ELASTOGRAPHY.
AM Dong, TR Adamos, S Kafali, S Shih, T Delgado-Esbenshade, S Mohpatra, J Li, S Ghahremani, HH Wu and KL Calkins, Los Angeles, CA. UCLA

9:15 MONOMICROBIAL NON-NEUTROCYTIC BACTERASCITES CAUSED BY ATYPICAL ESBL ESCHERICHIA COLI AND SPONTANEOUS BACTERIAL PERITONITIS PROPHYLAXIS.
W Li, K Vongbunyong and N Park, Irvine, CA. UC Irvine
9:30  A DEADLY TRIAD: METASTATIC ESOPHAGEAL ADENOCARCINOMA WITH ALPHA-FETOPROTEIN PRODUCTION, LIVER CAPSULAR TEAR AFTER NEEDLE BIOPSY, AND SPONTANEOUS SOLID TUMOR LYSIS SYNDROME.
S Uddin, L Guerrero, B Mann and T Jestila, Bakersfield, CA. Kern Medical Center

Abstract 352

9:45  DETERMINING LONG-TERM HEALTH AND NUTRITIONAL OUTCOMES OF CHILDREN WHO COMPLETED TREATMENT IN A CHILD MALNUTRITION CENTER FOR SEVERE ACUTE MALNUTRITION.
AM Ruf, D Arredondo, MF Butt, H Panchal, P Pathak, S Patel, H Malkan, K Yadav, N Patel, A Judkins and B Fassi, Rootstown, OH; Bharuch, India; Mota Fofalia, India; Salt Lake City, UT. Northeast Ohio Medical University

Genetics I
Rehearsal Room (Sunset Center)
Fabiola Quintero-Rivera and Bianca Russell, Presiding

8:00  A MULTI-OMICS APPROACH TO THE CHARACTERIZATION OF A NOVEL REPEAT EXPANSION IN FAM193B IN A FAMILY WITH OCULOPHARYNGODISTAL MYOPATHY.

Abstract 353

8:15  MECHANISMS OF SPINY MOUSE DNA METHYLATION IN KIDNEY REGENERATION AT THE CELLULAR LEVEL.
ME Wessels, JB Gere, K Suh, DM Okamura, SJ Collins, A Tsai, MW Majesky and E Nguyen, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 354

8:30  A SYNDROME OF TRAUMA-INDUCED HEMIPARESIS CAUSED BY R1349Q MUTATION OF CACNA1A.
SR Brown and M Willis, San Diego, CA. Naval Medical Center San Diego

Abstract 355

8:45  GENETIC TESTING FOR NEONATAL SEIZURES: A NECESSARY DIAGNOSTIC TOOL?
K Heringman and J Gold, San Diego, CA. University of California San Diego

Abstract 356
9:00 A NEW FAMILY WITH A NOVEL C.515DEL HSPB8-ASSOCIATED MYOPATHY WITH CARDIOMYOPATHY.
J Tan, H Duong, Y Awad and V Kimonis, Pomona, CA; Irvine, CA. Western University of Health Sciences (WSMRF)
Abstract 358

9:15 SOLAMEN SYNDROME: SEGMENTAL EXACERBATION OF PTEN HAMARTOMA SYNDROME IN A 2-YEAR-OLD MALE WITH A GERMLINE PTEN VARIANT AND A SECOND SOMATIC MOSAIC PTEN EVENT.
A Hoover, V Chang, S Bottomley, E Grossman, A Iqbal, S Upadhyay, J Martinez-Agosto and B Russell, Los Angeles, CA; Pismo Beach, CA; Santa Barbara, CA. UCLA
Abstract 359

9:30 PARENT NARRATIVES PROVIDE PERSPECTIVES ON THE EXPERIENCE OF CARE IN TRISOMY 18.
R Bierer, J Mladucky, R Anderson and JC Carey, Salt Lake City, UT; Murray, UT. University of Utah (WSPR)
Abstract 360

9:45 MODELING HAILEY-HAILEY DISEASE IN HUMAN ORGANO TYPIC EPIDERMIS TO UNDERSTAND ITS PATHO GENESIS AND IDENTIFY NOVEL THERAPEUTIC STRATEGIES.
CJ Tam, J Ayers, A Tiwaa, M Sarkar, JE Gudjonsson and CL Simpson, Seattle, WA; Ann Arbor, MI. University of Washington University of Washington (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)
Abstract 361

Neonatology General III
All Saints Church, Seccombe Hall
Robert D. Christensen and Michael Cookson, Presiding

8:00 CHARACTERISTICS OF VERY LOW BIRTH WEIGHT INFANTS PRESENTING WITH ABNORMAL NEUROLOGICAL EXAMINATION AT NICU DISCHARGE.
H Thirumalai, S Manickam, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine of USC
Abstract 362

8:15 DEVELOPING A MODERN MODEL FOR ASSESSING PARENT AND INFANT STRESS RESPONSE IN THE NICU THROUGH USING BIOSPHYSICAL DATA COLLECTION THROUGH WEARABLE DEVICES.
E Garavatti, DS Ondusko, C McEvoy and K Mackiewicz-Seagate, Portland, OR. oregon health and science
Abstract 363
8:30 VEDANG LONDHE STATE-OF-THE-ART SPEAKER: CONFLICTING PRIORITIES OF NEONATAL IMMUNITY AND DEVELOPMENTAL BIOLOGY.  
Lawrence Prince, Lucile Packard Children’s Hospital Stanford

9:00 EVIDENCE OF NEURONAL LOSS/DAMAGE AND ANAEROBIC METABOLISM IN THE BRAINS OF NEONATES WITH SEVERE HYPOXIC ISCHEMIC BRAIN INJURY.  
B Batin, R Jalal, B Bartnik-Olson, A Barajas Terrones, UE Oyoyo and P Kim, Loma Linda, CA. Loma Linda University

9:15 FULL-TIME, DEDICATED TELNEO CRITICAL CARE SERVICE REDUCES CONNECTION TIMES, REDUCES TRANSFERS, AND IMPROVES NEWBORN PATIENT CARE – FIRST YEAR RESULTS.  
SD Minton, E Zinkhan, R Valencia, M Halgren, JC Cox and E O'Brien, Murray, UT; Salt Lake City, UT. Intermountain Health University of Utah

9:30 BANKED TERM UMBILICAL CORD BLOOD TO MEET THE RED BLOOD CELL TRANSFUSION NEEDS OF EXTREMELY-LOW GESTATIONAL-AGE NEONATES: A FEASIBILITY ANALYSIS.  
TR Christensen, TM Bahr, RK Ohls, J Krong, L Carlson, ER Henry, M Sheffield, E Gerday, SJ Ilstrup, W Kelley and RD Christensen, Murray, UT; Salt Lake City, UT. Intermountain Healthcare

9:45 PREDICTORS AND NEONATAL OUTCOMES ASSOCIATED WITH PRENATAL MATERNAL SUBSTANCE USE IN VERY PRETERM INFANTS.  
MA Chang, A Alag, M Biniwale, L Barton, R Ramanathan and R Cayabyab, Los Angeles, CA. Los Angeles General Medical Center University of Southern California

Neonatology - Perinatal Biology I  
Chapman #4 (Sunset Center)  
Geoanna Bautista and Alison Chu, Presiding

8:00 MODE OF RESPIRATORY MANAGEMENT OF PRETERM LAMBS AFFECTS LONG-TERM NEUROBEHAVIOR OUTCOMES AND INSULIN-LIKE GROWTH FACTOR-1 EXPRESSION AND EPIGENETIC PROFILE IN THE HIPPOCAMPUS.  
M Simmons, X Ke, E Dawson, D Headden, S Bowen, A Rebentisch, J Van Boerum, J Beachy, D Null, MJ Dahl, RH Lane and K Albertine, Salt Lake City, UT; Kansas City, MO; Springfield, MA. University of Utah
8:15  PIEZO1 IN SMOOTH MUSCLE CELLS SUPPORT INTESTINAL EPITHELIAL GROWTH AND ADAPTATION IN A MURINE MODEL OF SMALL BOWEL OBSTRUCTION.
G Bautista, N Sweeney, S McElroy and MG Martin, Los Angeles, CA; Saceamento, CA. University of California, Davis University of California, Los Angeles (WSPR)

Abstract 369

8:30  L-ALANYL-L-GLUTAMINE INFUSION INTO FETAL SHEEP ACTIVATES REGULATORS OF SKELETAL MUSCLE PROTEIN SYNTHESIS.
HE Stacey, EI Chang, CS Painter, EC Eroglu, LM Calero Herrera, S Wesolowski, P Rozance, NB Barooni, CE McCurdy and LD Brown, Aurora, CO; Eugene, OR; Los Fresnos, Peru. University of Colorado

Abstract 370

8:45  NET-INHIBITORY PEPTIDES INCREASE PLACENTAL AND FETAL GROWTH IN MOUSE MODEL OF HYPERTENSIVE DISEASE OF PREGNANCY.
CC Yost, C Fung, L Owen, M Cody, M Wieben, A Brown, C de Araujo, M Tristao and F Strnad, Salt Lake City, UT. University of Utah (WSPR Prolacta Bioscience Research Award)

Abstract 371

9:00  ASSESSING THE EFFECTS OF BREASTMILK AND FORMULA ON NEONATAL IMMUNE DEVELOPMENT USING A PIGLET MODEL.
J Richter, S Keele, L Nunez, Y Chen, M Fox, A Childress and B Fehrenkamp, Moscow, ID. University of Washington School of Medicine

Abstract 372

9:15  INCIDENCE OF PREGNANCY COMPLICATIONS WITH AND WITHOUT BIOLOGIC USE IN PATIENTS WITH INFLAMMATORY BOWEL DISEASE: A RETROSPECTIVE STUDY.
M Puri and S McCartney, Seattle, WA. University of Washington (WSMRF)

Abstract 373

9:30  FRED BATTAGLIA STATE-OF-THE-ART SPEAKER:
GENES MODULATING THE RISK FOR PERINATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.
Raul Chavez-Valdez, Johns Hopkins University
Surgery III  
Room 5 (Sunset Center)  
Subhas Gupta, Presiding

8:00  IMPROVING READABILITY AND ACCESSIBILITY OF POST-OPERATIVE INSTRUCTIONS IN BREAST RECONSTRUCTION USING CHAT GPT.  
EA Small, PF Carlson, LE Thomas and S Gupta, Loma Linda, CA. Loma Linda University  
Abstract 374

8:15  IS IT POSSIBLE TO IDENTIFY PATIENTS AT RISK FOR BREAST IMPLANT ILLNESS? A COMPREHENSIVE CHART REVIEW.  
LE Thomas, PF Carlson, EA Small and S Gupta, Loma Linda, CA. Loma Linda University (WAFMR)  
Abstract 375

8:30  EVALUATING THE AGING LARYNX IN F344 BROWN NORWAY RATS.  
K Adcock, M Aboueisha, Z Jaleel, D Cvancara and N Bhatt, Seattle, WA. University of Washington School of Medicine  
Abstract 376

8:45  THE SYMPTOM SPECTRUM OF GLOTTIC INSUFFICIENCY AND LARYNGOPHARYNGEAL REFLUX IN THE AGING POPULATION.  
A Vacaru, M Feng, A Adebowale, K Bahjri, P Krishna and B Crawley, Loma Linda, CA. Loma Linda University School of Medicine  
Abstract 377

9:00  NOVEL LATERAL TUNNEL FONTAN PROCEDURE IN CHILDREN PROMOTES CONTINUED PATHWAY GROWTH INTO ADULTHOOD.  
M Marciniak, J Razzouk, J Tran, G Jutzy and R Fortuna, Loma Linda, CA. Loma Linda University  
Abstract 378

9:15  DIVING DEEPER: DOES DEEP LEARNING RECONSTRUCTION IMPROVE SUBJECTIVE CT IMAGE QUALITY IN PATIENTS WITH METAL HARDWARE?  
R Crew, J Smith, A Farkouh, M Kassir, B Escobar-Poni, K Cheng, JH Chung, S Song, U Kim, JF Quines, G Sajdak, KA Hanessian, Z Okhunov, A Amasyali, D Baldwin, K Oberg and D Baldwin, Loma Linda, CA. Loma Linda University Health  
Abstract 379

9:30  SUBCHONDRAL RAFTING WIRES MAY PREVENT TIBIAL PLATEAU FRACTURE SUBSIDENCE.  
JT Patterson, D Rusu, A Duong, V Satish, M Yang and L Mayer, Los Angeles, CA. Keck School of Medicine of USC  
Abstract 380
9:45 SILICON MEETS SURGERY: THE AI-DRIVEN EVOLUTION OF PLASTIC SURGERY RESEARCH.
KR McMath and S Gupta, Loma Linda, CA. Loma Linda University Health

Abstract 381

Translational Science
Conductor's Room
Kerby Oberg, Presiding

8:00 A PAIR OF CONSERVED FOX/SOX BINDING SITES ARE ESSENTIAL FOR GARR-MEDIATED REGULATION OF GDF5.
Y Lee, R Yeboah, J Phillips, C Pira and K Oberg, Loma Linda, CA. Loma Linda University

Abstract 382

8:15 ETS TRANSCRIPTION FACTOR PROTEINS REGULATE LHX2-ASSOCIATED SUBAER REGULATORY MODULES.
E Vyhmeister, J Britton, C Pira and K Oberg, Loma Linda, CA. Loma Linda University

Abstract 383

8:30 LMX1B BOUND CIS-REGULATORY MODULES ASSOCIATED WITH GDF5 THAT LACK LMX1B BINDING SITES HAVE WEAK ENHANCER ACTIVITY.
J Phillips, R Yeboah, C Pira, Y Lee and K Oberg, Loma Linda, CA. Loma Linda University

Abstract 384

8:45 THE ROLE OF LIPASE MATURATION FACTOR 1 IN MULTIFACTORIAL CHYLOMICRONEMIA SYNDROME.
P Chen, X McCleary and M Peterfy, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 385

9:00 FUNCTIONAL ANALYSIS OF MISSENSE MUTATIONS IN LIPASE MATURATION FACTOR 1 IN FAMILIAL CHYLOMICRONEMIA SYNDROME.
H Samalyssa and M Peterfy, Pomona, CA. Western University of Health Sciences, COMP

Abstract 386

9:15 EFFECTS OF N-ACETYLCYSTEINE AND CYCLIC PEPTIDE R4W4 COMBINATION TREATMENT ON MYCOBACTERIUM AVIUM SURVIVAL.
KC Sasaninia, M Kelley, A Badaoui, A Mohan, R Tiwari and V Venketaraman, Pomona, CA; Kansas City, MO; Irvine, CA. Western University of Health Sciences

Abstract 387

9:30 FULLERENE GALLIUM PHOSPHONATE SHOWS ANTIMYCOBACTERIAL EFFECT AGAINST MYCOBACTERIUM AVIUM.
9:45 GSK3B/NF-KB DEPENDENT TRANSCRIPTIONAL REGULATION OF HOMEOSTATIC HEPATOCYTE TNF PRODUCTION.
M Grayck, WC McCarthy, M Solar, E Golden, L Zheng, N Bala, L Sherlock and CJ Wright, Aurora, CO. CU Anschutz

Abstract 389

10:15 HEALTHCARE INEQUITIES IN TREATMENT OF AUTISM SPECTRUM DISORDER: A LITERATURE REVIEW.
J Zhu, J Chen, F Law, K Li, C Nguyen, D Sam, S Vellanki and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)

Abstract 390

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

66
M Schrage, A Bernard, E Cooper, S Holtman, M Cree-Green, K Wright, KJ Nadeau and S Simon, Aurora, CO; Parker, CO; Boulder, CO. Rocky Vista University

Abstract 391

10:45 PROMOTING ACCESSIBILITY TO HEALTHCARE WITH PROCEDURES.
TE Bregman, VK Ma, KH Owens, E Roseborough, V Tuss and RS Akins, Sacramento, CA. UC Davis UC Davis

Abstract 392

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

Abstract 393

11:30 EXTRAORDINARY BABIES STUDY: PROFILE OF EARLY EXECUTIVE FUNCTIONING SKILLS IN TODDLERS WITH SEX CHROMOSOME TRISOMY.
J Janusz, G Lal, TG Thompson, R Wilson, S Davis, J Ross and N Tartaglia, Aurora, CO; Wilmington, DE. Children's Hospital Colorado University of Colorado School of Medicine

Abstract 394

11:45 THE EXTRAORDINARY BABIES STUDY: PARENTING STRESS IN FAMILIES WITH A PRENATAL DIAGNOSIS OF SEX CHROMOSOME TRISOMIES, 36-MONTH-OLD FOLLOW-UP.
R Wilson, S Davis, TG Thompson, C Peterson, S Howell and N Tartaglia, Aurora, CO. University of Colorado School of Medicine

Abstract 395

12:00 A MULTIVARIABLE ANALYSIS OF PSYCHOSOCIAL RISK FACTORS IN PEDIATRIC RENAL TRANSPLANT PATIENTS.
S Ashley, A Chandnani, Z Arcona, E Christofferson, K Monin, C Sevick, VM Vemulakonda, M Bock, J Walker and C Buchanan, Denver, CO; St. Louis, MO; Chattanooga, TN; Columbus, OH. University of Colorado School of Medicine

Abstract 396

12:15 SOCIAL FACTORS PREDICTING PRE-LINGUISTIC SKILLS IN INFANTS BORN PRETERM.
S Pesantez, M Lazarus, VA Marchman and HM Feldman, Stanford, CA. Stanford University (WSPR Abbott Nutrition Subspecialty Award)
Diversity, Equity, and Inclusion Research II
Promenade Lobby (Sunset Center)
*Ricardo, Correa, Presiding*

**10:15 NEURODEVELOPMENTAL OUTCOMES IN NICU GRADUATES BORN TO MOTHERS WITH NON-ENGLISH LANGUAGE OF PREFERENCE.**
*MP Martes Gomez, M Vu, N Nghiem and C Mirzaian, Los Angeles, CA. Los Angeles General Medical Center/Keck School of Medicine of USC/CHLA (WAP/WSCI Travel Award Winner)*

**10:30 CHRONIC PAIN AND INTEGRATIVE MANAGEMENT EXPERIENCES AMONG ASIAN INDIVIDUALS: A QUALITATIVE STUDY.**
*K Tu, A Johnson and S Tong, Seattle, WA. University of Washington*

**10:45 IS BYSTANDER INTERVENTION TRAINING EFFECTIVE IN MITIGATING SEXUAL MISCONDUCT?**
*E Kim, K Jara Hidalgo, F Dong, J Silberger and C Prasad, Portland, OR; Pomona, CA; Lebanon, OR. Western University of Health Sciences*

**11:00 IMPACT OF CANNABIS LEGALIZATION ON MATERNAL HEALTH DISPARITIES.**
*S Tamatam, L Becerra, E Gould, A Roble, R Nguyen, C Okemkpa, J Laughter and R Ceasar, Pomona, CA; Los Angeles, CA; Fullerton, CA. Western University of Health Sciences University of Southern California*

**11:15 EDUCATION LEVEL AND HEALTHCARE EXPERIENCES AMONG BLACK PATIENTS IN THE EMERGENCY DEPARTMENT: A CROSS SECTIONAL STUDY.**
*F Messele, L Meller, C Makar, A Aijaz, M Gebreyes, C Okeke, C Taylor-Lucas and S Saadat, La Jolla, CA; Irvine, CA. UC Irvine School of Medicine*

**11:30 FINDINGS FROM A PILOT STUDY ON COMBATTING SEXUAL HARASSMENT/GENDER DISCRIMINATION IN THE MEDICAL PROFESSION.**
*OI Fuson, B Beatty, F Dong, J Silberger, K Chiriboga, M LaPlante and C Prasad, Portland, OR; Pomona, CA. Oregon Health & Science University*

**11:45 PIONEERING A FRESH APPROACH TO RADIOLOGY DIVERSITY AND INCLUSION.**
S Park, M Aldoghmi, CN Danza, J Meraz, D Aguilar, E Ho, G Cortes and R Houshyar, Orange, CA. University of California, Irvine

Abstract 403

12:00 SOCIAL DETERMINANTS OF HEALTH SCREENING TOOL RESPONSES IN THE NEONATAL INTENSIVE CARE UNIT.
S Edwards, S Khaki and L Gievers, Portland, OR. Oregon Health & Science University (WSMRF)

Abstract 404

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

Abstract 405

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

10:15 COST-EFFECTIVENESS ANALYSIS: EARLY LEAK DETECTION AFTER UPPER INTESTINAL OR GASTRIC SURGERY AT UNIVERSITY OF CALIFORNIA, IRVINE HEALTH.
P Hassani, SR Wignarajah, E Ho, C Shu, C Fateri, R Sabour, M Gerges and R Houshyar, Orange, CA. University of California Irvine (WAFMR/WAP/WSCI Student Subspecialty Award)

Abstract 406

10:30 IS BLOOD GLUCOSE RELATED TO THE OUTCOME OF TRAUMATIC BRAIN INJURY AT THE DISCHARGE OF INPATIENT REHABILITATION?
A Tan, S Fanchiang, T Friedman and B Jordan, Los Angeles, CA; Downey, CA. Charles R. Drew University Rancho Los Amigos

Abstract 407

10:45 IMPLEMENTATION OF AN ADAPTED DIALECTICAL BEHAVIOR THERAPY PROGRAM AND EFFECTS ON ACUTE SERVICE USE: A QUALITY IMPROVEMENT INITIATIVE.
P Ng, Y Zhang, S Kim and M Smit, Vancouver, BC, Canada; Surrey, BC, Canada. University of British Columbia (WAFMR/WAP/WSCI Outstanding Resident Award) (WSMRF)

Abstract 408

11:00 CHILD LIFE SPECIALISTS FOR PEDIATRIC BURN WOUND CARE.
Z Kore, R Courtemanche, Y Tuen, J Nixon, G Kwong, Y Shen, P Knight and S Hynes, Vancouver, BC, Canada. BC Children’s Hospital

Abstract 409
11:15 PHARM2HOME INITIATIVE: CLINICAL SERVICES AT YOUR HOME.
C Young, S Wong and A Ajmal, Vallejo, CA. Touro University California

11:30 EVALUATING AFFORDABILITY OF TELEHEALTH MEDICATION ABORTION SERVICES IN CALIFORNIA, UNITED STATES.
L Ebadani, A Fiasstro and E Godfrey, Seattle, WA. University of Washington University of Washington

N Rajeshuni, M Huynh, S Mahajan, A Bacon, A Mukherji, N Jaswal, S Ramalingam, N Ganesh, S Pahwa, N Saligram and L Palaniappan, Stanford, CA; Irvine, CA; Rochester, NY; Bengaluru, India. Stanford University School of Medicine (WAP/WSCI Travel Award Winner)

12:00 RADIOLOGY-DRIVEN PULMONARY NODULE CLINIC REFERRALS: WORKFLOW AND COST OF CLINICAL IMPLEMENTATION.
M Aldoghmi, K Nakashima, C Shu, M Gerges, D Aguilar, S Park, S Shieh, R O’Connell and R Houshyar, Irvine, CA. University of California, Irvine

12:15 COMPARISON OF A NOVEL GENERALIZED DEEP LEARNING MODEL TO A TRADITIONAL SUPERVISED MODEL FOR LIVER AND SPLEEN SEGMENTATION ON ABDOMEN AND PELVIS COMPUTED TOMOGRAPHY.
CN Danza, G Cortes, C Chantaduly, AT Wu, R Sabour, J Jung, C Shu, E Ho, K Law, P Chang and R Houshyar, Irvine, CA. University of California, Irvine

Hematology and Oncology II
Carpenter Hall
Jorge Nieva, Presiding

10:15 PROPOSING A NEW STANDARD HEMOGLOBIN VALUE DISTRIBUTION CURVE IN EFFORTS TO IMPROVE DIAGNOSIS AND TREATMENT OF ANEMIA IN HIGH ALTITUDE NEPALESE POPULATIONS.
L Pozo, A Ghimire, A Judkins and B Fassl, Rootstown, OH; Namche Bazaar, Nepal. Northeast Ohio Medical University (WAFMR/WAP/WSCI Student Subspecialty Award)

10:30 CHARACTERIZING PSYCHOLOGICAL RESOURCES AND RESILIENCE IN PATIENTS WITH BLADDER CANCER: ASSOCIATIONS WITH FRAILTY, MENTAL HEALTH, AND QUALITY OF LIFE.
10:45 THE EFFECT OF MCT4 INHIBITOR CB-2A ON PD-L1 EXPRESSION IN TRIPLE-NEGATIVE BREAST CANCER.
V Kattunga, Y Wu and K Wu, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAP/WSCI Travel Award Winner)

11:00 EVALUATING THE INCIDENCE OF FEVER FOLLOWING VINCristine ADMINISTRATION IN PEDIatRIC PATIENTS.
T Lehman, S Uppala, J Jarman, A Bou Fakhreddine and MM Al-Rahawan, Lubbock, TX. Texas Tech University Health Sciences Center

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

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

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

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

12:15 STAGE IV NASAL DEDIFFERENTIATED LEIOMYOSARCOMA WITH OSTEOSARCOMA COMPONENT WITH METASTASIS TO CAVERNOUS SINUS AND LUNGS: A RARE CASE REPORT.
S Sahadevan, NC Trang and A Mehboob, Bakersfield, CA. Adventist Health Bakersfield
Infectious Diseases II
Carmel Women's Club
Fred Buckner and Arash Heidari, Presiding

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

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

10:45 INTEGRATING MULTIPLEXING INTO DIGITAL HIGH-RESOLUTION MELT FOR RAPID AND ACCURATE UNIVERSAL CROSS-KINGDOM PATHOGEN DETECTION IN LOW VOLUME WHOLE BLOOD SAMPLES.
T Goshia, M Sinha, SM Lawrence and S Fraley, La Jolla, CA; Santa Clara, CA; Salt Lake City, UT. UCSD MelioLabs, Inc (WAP/WSCI Travel Award Winner)
Abstract 426

11:00 ACTIVATION INDUCED MARKER SORTING OF TREPONEMA PALLIDUM SPECIFIC CD4+ T CELLS.
L Culver, CD Godornes, DM Koelle and TB Reid, Seattle, WA. University of Washington Medical School
Abstract 427

11:15 ROLE OF THP-1 CELLS IN CONTROLLING M. AVIUM INFECTION.
A Badaoui, M Kelley, KC Sasani, A Mohan, R Tiwari and V Venketaraman, Pomona, CA; Kansas City, MO; Irvine, CA. Western University of Health Sciences
Abstract 428

11:30 HEPATITIS C CARE CONTINUUM AMONG PEOPLE WHO INJECT DRUGS IN KING COUNTY, WA.
J Ebersberger, JI Tsui, M Corcorran and S Glick, Seattle, WA. University of Washington School of Medicine
Abstract 429

11:45 CHARACTERISTICS OF PEDIATRIC COVID-19 INFECTIONS IN HAWAI'I.
S Tadaki, K Len, A Siu, C Kimata and J Kosut, Honolulu, HI. Hawai'i Pacific Health
Abstract 430
12:00 SURFACTANT COMPONENT SUPPRESSES STAPHYLOCOCCUS AUREUS TOXIN EXPRESSION.  
_S Shomento, T Borgogna and J Voyich, Bozeman, MT. UW School of Medicine (WSMRF)  
Abstract 431

12:15 THE ROLE OF JAIL TESTING IN THE PUBLIC HEALTH RESPONSE TO SYPHILIS IN KING COUNTY, WASHINGTON.  
_T Buck, L Herrera Perales, A Berzkalns, E Barash, MR Golden and JC Dombrowski, Seattle, WA. University of Washington School of Medicine  
Abstract 432

Morphogenesis and Malformations  
Rehearsal Room (Sunset Center)  
AnitaE. Beck and MatthewA. Deardorff, Presiding

10:15 STATE-OF-THE-ART SPEAKER: ADVANCES IN TREATMENT OF FRAGILE X SYNDROME AND FXTAS.  
Randi J. Hagerman, University of California Davis

10:45 A PROMOTOR VARIANT IN _WNT9B_ IS A CANDIDATE IN A CASE WITH FEMORAL FACIAL SYNDROME.  
A Rope, C Marvin, J Chong, K Buckingham, K Shively and M Bamshad, South San Francisco, CA; Seattle, WA. _Genome Medical_  
Abstract 433

11:00 PALLISTER-HALL SYNDROME: A SEVERE NEONATAL TALE STEMMING FROM AN UNEXPECTED MOSAIC TRAIL.  
_JP Ramos, J Schymick, P Calvert and DR Matalon, San Jose, CA; Palo Alto, CA. Stanford University (WSPR Prolacta Bioscience Research Award)  
Abstract 434

11:15 MYRF-RELATED CARDIAC-UROGENITAL SYNDROME CASE REPORT AND REVIEW OF LITERATURE.  
_A Gomes and LM Bird, San Diego, CA. UCSD_  
Abstract 435

11:30 FRAGILE X SYNDROME DUE TO A RARE _FMR1_ SEQUENCE VARIANT.  
_L Keehan, C Hale, DG Fisk, N Dykzeul, SA Scott and CG Tise, Stanford, CA; Palo Alto, CA. Stanford University_  
Abstract 436

11:45 MULTIPLE CONGENITAL ANOMALIES AND GENOTYPE-PHENOTYPE CORRELATIONS IN KAT6A SYNDROME: A CASE REPORT AND REVIEW OF THE LITERATURE.  
_P Calvert, M Van Andel, L Keehan, DR Matalon and J Schymick, San Jose, CA;
A RARE SYNDROME NOW PRENATALLY SEEN, DUE TO VARIANTS IN THE DPH1 GENE.
E Dunn, CM Smith and DR Matalon, Palo Alto, CA. Stanford University (WSPR Abbott Nutrition Subspecialty Award)

DIFFERENTIAL DNA METHYLATION DRIVES ALLELIC EXPRESSION FOR IMPRINTED GRB10-DDC LOCUS IN THE DEVELOPING HEART.
A Juan, Y Foong, J Thorvaldsen, C Rosier, C Krapp and M Bartolomei, Philadelphia, PA; Palo Alto, CA. University of Pennsylvania Stanford University (WSPR Outstanding Resident Research Award)

NEURODEVELOPMENTAL OUTCOMES IN INFANTS EXPOSED TO MATERNAL COVID-19 DURING PREGNANCY.
VM Fajardo, F Ferreira, T Fuller, M Cambou, J Mohole, T Kerin, S Paiola, R Rao, D Zhang, P Marschik, S Iyer, K Kesavan, J Britto, M Moreira, P Brasil and K Nielsen-Saines, Los Angeles, CA; Rio De Janeiro, Brazil; Heidelberg, Germany; Rio De Janeiro, Brazil. David Geffen UCLA School of Medicine

CLINICAL CHARACTERISTICS OF NEONATES BORN LESS THAN 32 WEEKS GESTATIONAL AGE TO MOTHERS WITH MENTAL ILLNESS IN AN URBAN NEONATAL INTENSIVE CARE UNIT.
A Alag, MA Chang, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. University of Southern California

Sara Handley, The Children's Hospital of Philadelphia

EFFECTS OF SURFACTANT ADMINISTRATION PROCEDURAL COMPLICATIONS ON OUTCOMES IN NEWBORN INFANTS.
EE Feliz Sala, JK Sandhu, S Siddiqui, M Biniwale and R Ramanathan, Los Angeles, CA. University of Southern California/ Los Angeles General Medical Center
11:30 ACCURACY OF DOCUMENTED NEONATAL RESUSCITATION INTERVENTIONS PERFORMED ON PRETERM INFANTS USING DELIVERY ROOM VIDEO RECORDING.
AR Anumula and A Katheria, San Diego, CA. Sharp Mary Birch (WSPR Prolacta Bioscience Research Award)
Abstract 443

11:45 PATOGENS AND IN-HOSPITAL OUTCOMES IN NEONATES WITH SEPSIS REQUIRING EXTRACORPOREAL LIFE SUPPORT.
M Puia-Dumitrescu, ZC Billimoria, KM Sullivan, R Rao, R Chapman, B Mahmood, I Zaniletli, N Rintoul, R Seabrook, S Hamrick, S Keene, S Gowda, NR Carr and R DiGeronimo, Seattle, WA; St Louis, MO; Pittsburgh, PA; NA, CO; Philadelphia, PA; NA, OH; Atlanta, GA; NA, TX; Salt Lake City, UT; Wilmington, DE; NA, CA. Seattle Children’s Main Hospital (WSPR Prolacta Bioscience Research Award)
Abstract 444

12:00 COMPARISON OF OUTCOMES OF INFANTS ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT WHO NEEDED PHARMACOLOGIC INTERVENTION TO COMPLETE MAGNETIC RESONANCE IMAGING PROCEDURE COMPARED TO THOSE WHO REQUIRED ONLY NON-PHARMACOLOGIC MEASURES.
H Qamar, S Siddiqui, R Ramanathan and R Cayabyab, Los Angeles, CA. University of Southern California/Los Angeles General Medical Center
Abstract 445

12:15 RISK OF CEREBRAL PALSY IN VARIOUS TREATMENTS OF PATENT DUCTUS ARTERIOSUS.
BJ Cacho, H Jennings and D Deming, Loma Linda, CA. Loma Linda University
Abstract 446

Neonatology Perinatal Biology II
Conductor's Room
Jane Stremming and Alicia White, Presiding

10:15 CIRCULATING AND PLACENTAL GROWTH DIFFERENTIATION FACTOR-15 ARE SIGNIFICANTLY ALTERED IN PREGNANCIES COMPLICATED BY OBESITY.
JA Hermel, F Zeng, DD Flannery, S Mukhopadhyay, AZ Barboza, M Pfeifer, S Lazar, K Fisch, V Cheung, M Parast and E Sajti, San Diego, CA; Philadelphia, PA; La Jolla, CA. UC San Diego and Rady Children's Hospital
Abstract 447

10:30 INTER-MUSCLE DIFFERENCES IN MICROVASCULAR ARCHITECTURE WITHIN SKELETAL MUSCLE OF THE GROWTH RESTRICTED FETUS.
T Dear, EI Chang, SI Al-Juboori, D Strode, S Jonker, P Rozance, J Stremming, E Dobrinskikh and LD Brown, Aurora, CO; Portland, OR. University of Colorado School of Medicine (WSPR)
10:45 EXPRESSION OF THE MECHANOSENSITIVE ION CHANNEL PROTEIN PIEZO1 IS DIRECTLY ASSOCIATED WITH THE DEVELOPMENT OF EXPERIMENTAL NEONATAL SEPSIS.

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

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

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

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

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

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

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

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

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

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

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

12:15 ALBUMIN-MEDIATED HYDROGEN SULFIDE SCAVENGING: MECHANISTIC INSIGHTS FORM IN VITRO INVESTIGATIONS.

A Duot, M Zhang, T Liu and A Blood, Loma Linda, CA. Loma Linda University (WSMRF)
10:15 **A CASE OF PRIMARY MUTATION UNTREATED AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE.**
IS Ike, L Okumoto and G Petersen, Miramar, FL; Bakersfield, CA. *Kern Medical*
Abstract 456

10:30 **THROMBOSPONDIN TYPE-I DOMAIN 7A (TSHD7A) MEMBRANOUS NEPHROPATHY: RAPID REMISSION AFTER OBINUTUZUMAB (TYPE II ANTI-CD20) TREATMENT.**
SC Jordan and M Haas, Los Angeles, CA. *Cedars-Sinai Medical Center*
Abstract 457

10:45 **CHALLENGES OF HYPONATREMIA IN A PATIENT WITH SIADH WITH RESET OSMOSTAT.**
N Kamal, E Davtyan and S Eppanapally, Bakersfield, CA. *Kern Medical*
Abstract 458

11:00 **TURNING THE KIDNEY INTO A LYMPHOID ORGAN.**
D Atwood, Z He and C Edelstein, Aurora, CO. *University of Colorado (WAP)*
Abstract 459

11:15 **RIDING THE WAVE OF GENETIC TEST ORDERING IN NEPHROLOGY: EXPERIENCES FROM A GENETIC COUNSELOR-LED RENAL GENETICS CLINIC.**
M Dutra-Clarke, C Rome and B Russell, Los Angeles, CA. *UCLA Health*
Abstract 460

11:30 **LASER-GUIDED RENAL ACCESS FOR KIDNEY STONE SURGERY: A COMPARISON TO CONVENTIONAL FLUOROSCOPIC RENAL ACCESS.**
GM Sajdak, A Rotinsulu, A Farkouh, M Buell, AS Amasyali, R Leu, K Shete, C Ware, V Gentry, S Song, C De Guzman and D Baldwin, Loma Linda, CA. *Loma Linda University School of Medicine*
Abstract 461

11:45 **PAGE KIDNEY, AN INCIDENTAL FINDING WHILE EVALUATING PERINEPHRIC HEMATOMA.**
R Sharma, T Yanni and L Moosavi, Bakersfield, CA; Los Angeles, CA. *Kern Medical Center David Geffen School of Medicine*
Abstract 462
10:15 PEDIATRIC POSTERIOR FOSSA TUMOR TREATMENT AFFECTS THALAMIC VOLUME, MEMORY, AND PROCESSING SPEED.
BJ Shin, SH O’Neil, S Dhanani and M Baron Nelson, Joplin, MO; Los Angeles, CA; Palo Alto, CA. Kansas City University Children’s Hospital Los Angeles

Abstract 463

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

Abstract 464

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

Abstract 465

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

Abstract 466

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

Abstract 467

11:30 LATE ONSET COBALAMIN C DISEASE IN AN ADOLESCENT PATIENT OF MIXTECO ANCESTRY AND RESPONSE TO TREATMENT.
H Navea, E Hoyt, S Fraser and S Ehrreich, Madera, CA. Valley Children’ Healthcare

Abstract 468

11:45 SUCCESSFUL TREATMENT OF CHIARI IDIOPATHIC INTRACRANIAL HYPERTENSION SYNDROME WITH DURAL VENOUS SINUS STENT AFTER VENTRICULOOPERITONEAL SHUNT: A CASE REPORT.
S Rauser, E Lee, M Wilson and E Hawy, Loma Linda, CA. Loma Linda University

Abstract 469
12:00 NEONATAL INFLAMMATION AND NEAR-TERM WHITE MATTER MICROSTRUCTURE IN INFANTS BORN PRETERM.
K Anderson, M Lazarus, L Bruckert, R Poblaciones, M Scala, VA Marchman, HM Feldman and KE Travis, Palo Alto, CA. Stanford University School of Medicine
Abstract 470

12:15 A RETROSPECTIVE CHART REVIEW ASSESSING THE OUTCOMES OF DURAL SINUS VENOUS STENTING IN IDIOPATHIC INTRACRANIAL HYPERTENSION PATIENTS.
E Lee, S Rauser, M Wilson and E Hawy, Loma Linda, CA. Loma Linda University
Abstract 471

Surgery IV
Room 5 (Sunset Center)
Subhas Gupta, Presiding

10:15 THE IMPACT OF STERILIZING IRRIGANTS ON THE TENSILE STRENGTH OF SILICONE BREAST IMPLANTS: A COMPARATIVE STUDY FOR INTRAOPERATIVE USE.
LE Thomas, PF Carlson, EA Small and S Gupta, Loma Linda, CA. Loma Linda University (WAFMR)
Abstract 472

10:30 CHARACTERIZATION OF THE MICROBIAL POPULATION IN INFECTIONS PRODUCING FAILED BREAST CANCER RECONSTRUCTION.
Pf Carlson, LE Thomas, EA Small and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 473

10:45 WHICH IS THE MOST ACCURATE METHOD FOR ASSESSING STONE VOLUME: ENTERPRISE IMAGING, 3D-SLICER, OR SCALENE ELLIPSOID FORMULA?
G Sajdak, D Baldwin, A Farkouh, KA Hanessian, U Kim, JF Quines, R Crew, Z Okhunov, AS Amasyali and D Baldwin, Loma Linda, CA; Collegedale, TN. Loma Linda University Medical School
Abstract 474

11:00 ANALYZING SUPERVISED MACHINE LEARNING MODELS FOR PREDICTION OF ENDOLEAKS FOLLOWING ENDOVASCULAR AORTIC ANEURYSM REPAIR.
D Roh, AJ Cabrera, R Mezan, RT Tomihama and SC Kiang, Loma Linda, CA. Loma Linda University (WSMRF)
Abstract 475

11:15 PRENATAL ULTRASOUND RISK FACTORS PREDICTIVE OF POSTERIOR URETHRAL VALVES.
PA Cooper, S Lin, A Farkouh, R Kuang, T Thaipejr, J Pearce, S Song, K Cheng, D
Abstract 476

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

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

Abstract 477

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

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

Abstract 478

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

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

Abstract 479

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

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

Abstract 480

COFFEE AND DESSERT BUFFET
1:00-1:45 PM
Carmel Women’s Club
COFFEE AND DESSERT BUFFET
1:00-1:45 PM
*Carmel Women’s Club*

**JOINT PLENARY SESSION**

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

*Carmel Women's Club*

Friday, January 19, 2024
1:45 PM – 4:15 PM

Fred Buckner, Nicole Tartaglia, and David Stevenson, Presiding

1:45  **EDWIN E. OSGOOD AWARD**

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

*A Ferguson and R Sharma, Seattle, WA. University of Washington School of Medicine (Edwin E. Osgood Award Winner)*

Abstract 481

2:00  **WAFMR OUTSTANDING INVESTIGATOR AWARD**

GLYCEMIC CONTROL, NEIGHBORHOOD SOCIOECONOMIC ENVIRONMENT AND THE DEVELOPING BRAIN.

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

Abstract 482

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

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

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

Abstract 483

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

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

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

2:45 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
REPLACEMENT INSULIN DURING IGF-1 INFUSION INCREASES GROWTH
IN FETAL SHEEP.
J Stremming, EI Chang, A White, NB Barooni, CE McCurdy, P Rozance and LD Brown,
Aurora, CO; Eugene, OR. University of Colorado (WSPR)

3:15 WSPR STANLEY WRIGHT MEMORIAL LECTURE
USING THE EXPOSOME TO DEVELOP NOVEL BIOMARKERS FOR AUTISM
SPECTRUM DISORDER.
Arora Manish, Mt Sinai School of Medicine

3:45 WSPR PRESIDENTIAL LECTURE
THE AMAZING TEEN BRAIN.
Jay Giedd, University of California San Diego

4:15 WSPR ABBOTT NUTRITION JOSEPH ST. GEME Jr. EDUCATION AWARD
Presenter: David Stevenson, Stanford University
Recipient: David Viskochil, University of Utah

4:30 ADJOURN

4:30 WSPR BUSINESS MEETING
Nicole Tartaglia and Shanlee Davis, Presiding - All WSPR members invited

4:30 WAFMR WELCOME RECEPTION
David Stevenson, Presiding
All WAFMR members Invited – Sunset Center – Chapman Room
CONCURRENT SESSIONS

Saturday, January 20, 2024
8:00 AM – 10:00 AM

Jointly sponsored by

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

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

Case Reports II
Chapman #4 (Sunset Center)
W. Conrad Liles, Presiding

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

Abstract 486

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

Abstract 487

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

Abstract 488
8:45 WHEN SYMPTOMS DECEIVE: A CASE OF FUNCTIONAL NEUROLOGIC SYMPTOM DISORDER DISGUISED AS STROKE.
K Ghadiya, P Athwal, L Johar, il Bustamante, S Nwebeh, T Yomi, C Covenas, V Civelli and J Uy, Bakersfield, CA. Clinica Sierra Vista - Rio Bravo Family Medicine Residency Program

Abstract 489

9:00 ORBITAL OSTEOMYELITIS AND PERIORBITAL ABSCESS DUE TO COCCIDIOIDOMYCOSIS FOLLOWING TRAUMA.
G Hayashi, N Pardo, NM Hirsh and V Vijayan, Madera, CA; Clovis, CA. Valley Childrens Healthcare

Abstract 490

9:15 A CASE OF NASAL VESTIBULITIS AS SOURCE OF SEPTIC THROMBOPHLEBITIS OF LEFT OPHTHALMIC VEIN.
NC Trang, R Rahimi and S Mishra, Bakersfield, CA. Kern Medical

Abstract 491

9:30 HYPERTENSIVE URGENCY IN A 4-YEAR-OLD GIRL.
J Chau, P Khalessi Hosseini, S Nagle, B Patel and G Kim, Los Angeles, CA. Los Angeles General Medical Center

Abstract 492

9:45 A CASE OF HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS SECONDARY TO SALMONELLA TYPHI INFECTION.
P Sran-Samran and S Gandham, Madera, CA. Valley Children's Hospital

Abstract 493

Congenital Heart Disease
Conductor's Room
Hemananda Muniraman, Presiding

8:00 NEONATES WITH CRITICAL CONGENITAL HEART DISEASE AND GROWTH FAILURE.
J Newens, J Tharayil, A Desmond, G Martinez, Y Afshar and KL Calkins, Los Angeles, CA. David Geffen School of Medicine at University of California Los Angeles

Abstract 494

8:15 SUCCESSFUL UMBILICAL LINE PLACEMENT IN NEWBORNS WITH CONGENITAL HEART DISEASE AT A LEVEL IV NICU.
E Harding, B Weikel, T Grover, J Zenge and R Shay, Aurora, CO. University of Colorado

Abstract 495

8:30 A COMPARISON OF NEAR-INFRARED SPECTROSCOPY AND TRADITIONAL PARAMETERS FOR MONITORING OF INFANTS WITH PRENATAL DIAGNOSIS OF AORTIC COARCTATION.
8:45  CLINICAL OUTCOMES IN NEONATES WITH CONGENITAL HEART DISEASE WITH CONCURRENT CONGENITAL NEUROLOGICAL ANAOMALIES.
Z Torabyan, H El-Rahi, CY Cong and L Ghimire, Fresno, CA. UCSF Fresno

9:00  SLEEP AS A PREDICTOR FOR ANXIETY AND DEPRESSION IN CHILDREN AND YOUNG ADULTS WITH CONGENITAL HEART DISEASE.
KE Maxfield, L Melcher, K Bottrill and D Combs, Tucson, AZ. University of Arizona College of Medicine Tucson

9:15  IN UTERO ENDOTHELIAL CELLS HAVE UNIQUE GENE EXPRESSION IN CONGENITAL HEART DISEASE.
A Desmond, A Bhattacharya and Y Afshar, Los Angeles, CA; Houston, TX. UCLA (WSPR)

9:30  CARDIAC AND AORTIC SURGERY OUTCOMES IN PATIENTS WITH TURNER SYNDROME.
A Middleton, S Prakash, A Khanna, S Howell, A Carl and S Davis, Houston, TX; Aurora, CO. Children's Hospital of Colorado

9:45  VARIATION IN MECHANICAL VENTILATORY SUPPORT AFTER NEONATAL CARDIAC SURGERY.
T Barnes, DP Sharp, R Keller and M Steurer, San Francisco, CA; Palo Alto, CA. University of California, San Francisco

Diversity, Equity and Inclusion Research III
Room 5 (Sunset Center)
Ricardo Correa, Presiding

8:00  REDUCING BIAS IN NEWBORN SUBSTANCE USE TESTING THROUGH A MULTIDISCIPLINARY TASKFORCE.
S Razdan, DP Sharp and S Bonifacio, Palo Alto, CA. Stanford University School of Medicine (WSPR)

8:15  SOCIO-ECONOMIC DISPARITIES IN UNPLANNED HOSPITAL ADMISSION AND IN-HOSPITAL OUTCOMES AMONG CHILDREN WITH CONGENITAL
HEART DISEASE.
H El-Rahi, Z Torabyan, CY Cong and L Ghimire, Fresno, CA. UCSF Fresno

8:30 REASONS FOR DECLINING WELL CHILD VISITS AND ROUTINE VACCINATIONS DURING THE COVID-19 PANDEMIC: PERSPECTIVES OF PARENTS FROM DIFFERENT BACKGROUNDS.
JS Chang and B Afghani, Pomona, CA; Irvine, CA; Orange, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific (WSMRF)

8:45 SCHOOL-BASED MENTAL HEALTH LITERACY PROGRAM DELIVERED BY COMMUNITY VOLUNTEERS IMPROVES SELF-EFFICACY AND MOOD AMONG YOUTH: ADVOCATES 4 ALL YOUTH (ALLY).
M Izere, SN Wilson, C Mata, S Simon and J Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus

9:00 PRENATAL UROLOGIC CONSULTATION FOR ANTENATAL HYDRONEPHROSIS: TRUE EQUITY OR HIDDEN DISPARITY?
AB Hoefer, M Mendez, G Nanizao and K Kieran, Spokane, WA; Seattle, WA. University of Washington School of Medicine Seattle Children's Hospital

9:15 DID THE COVID-19 PANDEMIC CHANGE THE PREVALENCE OF SEXUAL ASSAULT AND HARASSMENT? AN ANALYSIS OF PHYSICIAN MEMBERS OF AMERICAN COLLEGE OF PHYSICIANS.
P Li, C Fernandes, C Prasad, J Silberger and F Dong, Lebanon, OR; Pomona, CA; Portland, OR. College of Osteopathic Medicine of the Pacific-Northwest Western University of Health Sciences

9:30 PREVALENCE, CHARACTERISTICS, AND QUALITY OF LIFE IMPACT OF PRIMARY HYPERHYDROSIS: A CROSS-SECTIONAL SURVEY OF FILIPINO COLLEGE STUDENTS.
J Nelson, Portland, OR. Oregon Health & Science University

9:45 CHILDHOOD OBESITY: DOES EFFICACY OF BEHAVIORAL INTERVENTIONS DIFFER BY RACE?
C Pham, A Estrada, J Groner, A Mei, P Pande, L Pang, S Yu and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WAFMR)
8:00 PATHOPHYSIOLOGICAL ROLE OF ZADH2 IN BROWN AND WHITE ADIPOCYTES.  
A Kumar and I Lodhi, St. Louis, MO; Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific  
Abstract 510

8:15 DECREASED EXECUTIVE FUNCTION AND FINE MOTOR SKILLS IN PEDIATRIC PATIENTS WITH CONGENITAL ADRENAL HYPERPLASIA.  
NL Yamashita, E Deras, SH O’Neil, TA Pickering, G Simon and MS Kim, Los Angeles, CA. Children's Hospital Los Angeles (WAFMR Trainee Research Award) (WAFMR)  
Abstract 511

8:30 THE ROLE OF MITOGEN-ACTIVATED PROTEIN KINASE PHOSPHATASE IN REGULATING THE B3-ADRENERGIC PATHWAY IN ADIPOCYTES.  
T Kurlagunda, X Feng and AR Saltiel, La Jolla, CA. University of California, San Diego  
Abstract 512

8:45 STATE-OF-THE-ART SPEAKER:  
TBD.  
Kristen J Nadeau, Denver, CO. University of Colorado Denver  
Abstract 512

9:15 UNCOVERING THE CONNECTION BETWEEN GENETIC RISK AND PHENOTYPIC OUTCOME IN POLYCYSTIC OVARIAN SYNDROME.  
AJ Tidwell and C Welt, Salt Lake City, UT. University of Utah School of Medicine  
Abstract 513

9:30 NLRP3 INFLAMMASOME AS A POTENTIAL LINK IN THE UNDERLYING PATHOGENESIS OF DIABETES AND CROHN’S DISEASE.  
A Gargaloyan, DK Agrawal and V Rai, Pomona, CA. Western University of Health Sciences  
Abstract 514

9:45 ECTOPIC CUSHING’S SYNDROME PRESENTING AS HYPERTENSIVE EMERGENCY AND PSYCHOSIS.  
N Jannareddy and C Lovato, Albuquerque, NM. University of New Mexico School of Medicine  
Abstract 515
8:00  **TRAJECTORY OF PROJECT BABY BEAR RAPID GENOME SEQUENCING PROJECT: A REVIEW OF LONG-TERM FOLLOW UP AT A SINGLE CENTER.**  
*R Chan, K Wigby, MM Martin and SP Shankar, Sacramento, CA. UC Davis School of Medicine (WSMRF)*  
Abstract 516

8:15  **EXTRAORDINARY BABIES STUDY: GENETIC COUNSELING IMPLICATIONS OF DISCORDANT PRENATAL NONINVASIVE SCREENING RESULTS IN SEX CHROMOSOME ANEUPLOIDIES.**  
*S Howell, S Davis, J Ross and N Tartaglia, Aurora, CO; Philadelphia, PA. University of Colorado Anschutz (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award)*  
Abstract 517

8:30  **THE EXTRAORDINARY BABY STUDY: NATURAL HISTORY OF INFANTS DIAGNOSED WITH XXY IN THE PRENATAL PERIOD.**  
*K Nocon, S Howell and N Tartaglia, Aurora, CO. University of Colorado School of Medicine*  
Abstract 518

8:45  **INITIAL DATA FROM THE GALAXY REGISTRY: GENERATING ADVANCEMENTS IN LONGITUDINAL ANALYSIS IN X & Y CHROMOSOME VARIATIONS.**  
*K Molison, S Howell, A Carl and S Davis, Aurora, CO. eXtraordinarY Kids Clinic, Children's Hospital Colorado (WSMRF)*  
Abstract 519

9:00  **AN EXTRA CHROMOSOME AMONG WOMEN IN THE MILLION VETERAN PROGRAM: A MORE BENIGN PERSPECTIVE OF TRISOMY X.**  
*N Klamut, C Teerlink, J Lynch, J Ross, R Hauger and S Davis, Aurora, CO; Salt Lake City, UT; Wilmington, DE; Philadelphia, PA; La Jolla, CA. University of Colorado School of Medicine Children's Hospital Colorado*  
Abstract 520

9:15  **A NOVEL NON-CODING DELETION AT XQ28 IN A PATIENT WITH X-LINKED PRIMARY IMMUNODEFICIENCY.**  
*D Bonner, R Ungar, P Goddard, S Marwaha, J Kohler, C Reuter, S Montgomery, M Wheeler and J Bernstein, Stanford, CA. Stanford University GREGoR Stanford Site*  
Abstract 521

9:30  **MISCONCEPTIONS AND MISINFORMATION IN THE DIAGNOSTIC AND HEALTHCARE EXPERIENCES OF MALE RETT SYNDROME.**  
*TG Thompson, D Gurfinkel, N Klamut, C Fu, K Ferdinandsen, A Ananth, J Lane, E
NEW TECHNOLOGIES THAT INFORM PATHOGENIC MECHANISMS FOR BALANCED X; AUTOSOME TRANSLOCATIONS: WHAT'S OLD IS NEW AGAIN.

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

Abstract 523

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

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

Abstract 524

THE EFFICACY OF FLIPPED CLASSROOMS OVER TRADITIONAL DIDACTIC LECTURES IN MEDICAL EDUCATION.

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

Abstract 525

RESIDENT PERSPECTIVES ON INPATIENT ROUNDS LED BY SENIOR RESIDENT PHYSICIANS IN PEDIATRICS.

K Bauer, L Borden, T Wang, C Payne and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)

Abstract 526

MULTI-INSTITUTIONAL AND MULTI-DISCIPLINARY COLLABORATION FOR AN EXCEPTIONAL NEONATAL INTENSIVE CARE EDUCATION (NICE) QUALITY IMPROVEMENT INITIATIVE.

P Arichai, IE Sierra-Strum, A Yeh, SR Sardesai, M Dixon and R Ramanathan, Los Angeles, CA. Los Angeles General Medical Center Keck's School of Medicine, University of Southern California (WSPR)

Abstract 527

STRENGTHENING PERSONAL AND TEAM RESILIENCE THROUGH EMOTIONAL INTELLIGENCE ON THE WARDS.

J Banner, A Ivey, T Tausinga and K Brownson, Salt Lake City, UT. University of Utah School of Medicine

Abstract 528
9:15  PREDATORY AND OPEN ACCESS JOURNAL PUBLICATIONS AMONG CANADIAN PLASTIC SURGERY RESIDENCY APPLICANTS.
A Paiero Keeler, H ElHawyary, Y Tuen, R Courtemanche, M Gilardino and JS Arneja, Vancouver, BC, Canada; Montreal, Canada. University of British Columbia (WSMRF)
Abstract 529

9:30  "LET'S UNPACK MY FEEDBACK!" - AN APPROACH TO ENHANCE MEDICAL STUDENTS' PEER FEEDBACK.
EM Monasch and A Bhe, Palo Alto, CA; Sacramento, CA. Stanford Health Care (WSMRF)
Abstract 530

9:45  ASSESSMENT OF ADVERSE MENTAL HEALTH OUTCOMES AMONG TRADITIONAL AND NONTRADITIONAL MEDICAL STUDENTS.
N Arief, E Jang, A Li, A Dang and V Gerriets, Elk Grove, CA. California Northstate University College of Medicine
Abstract 531

Neonatology General V
Carpenter Hall
Kara L. Calkins and Mark Nolan, Presiding

8:00  EVALUATION OF SWALLOWING DYSFUNCTION IN PRETERM INFANTS WITH FIBEROPTIC ENDOSCOPIC EVALUATION OF SWALLOWING (FEES) IN THE NEONATAL UNIT.
K Ahn, A Heston, A Patel, B Shipman, K Graf and H Muniraman, Phoenix, AZ. Creighton University (WSPR)
Abstract 532

8:15  CALCIUM AND PHOSPHORUS LOSSES AFTER INFUSION OF HUMAN MILK BASED FEEDINGS IN A PLASTIC FEEDING SYSTEM.
V Hamilton, M Fusezy, M Elliott, R Ramanathan and R Cayabyab, Los Angeles, CA; Duarte, CA; Balti, MD. LA General Medical Center
Abstract 533

8:30  GABAPENTIN FOR SEDATION AND PAIN CONTROL FOR NEONATES AFTER MANDIBULAR DISTRACTION OSTEOGENESIS.
MD Wahl, R Rdesinski, T Nguyen and M Go, Portland, OR. Oregon Health & Science University
Abstract 534

8:45  LONGITUDINAL TRIGLYCERIDE PROFILING IN PRETERM INFANTS SUGGESTS DYNAMIC AND AGE-SPECIFIC TRAJECTORIES.
J Reiss, V Ding, A Chang, T Phongpreecha, A Lyon, JZ Long, BK Jordan, B Scottoline, M Snyder, K Sylvester, DK Stevenson, N Aghaeepour and GM Shaw, Palo Alto, CA; Portland, OR; Stanford, CA. Stanford University Stanford University (WSPR Reckitt/Mead Johnson Nutrition Junior Faculty Award) (WSPR)
Abstract 535

9:00  THE ANTIMICROBIAL PEPTIDE LL-37 IMPROVES EXPERIMENTAL NEC SURVIVAL AND SIGNIFICANTLY IMPROVES INTESTINAL EPITHELIAL WOUND HEALING.
AJ Leegwater, T Boly, G Bautista, S Lueschow and S McElroy, Sacramento, CA; Iowa City, IA. University of California, Davis

Abstract 536

9:15  COHORT OF INTESTINAL PERFORATIONS IN EXTREMELY PRETERM INFANTS.
M Burgos and S Newman-Lindsay, Sacramento, CA. UC Davis School of Medicine

Abstract 537

9:30  ASSESSING AND IMPROVING ACCESS TO LACTATION AND BEREAVEMENT SUPPORT FOR MOTHERS WHO EXPERIENCE PERINATAL LOSS AT A SINGLE REFERRAL HIGH-RISK ACADEMIC CENTER.
E Capossela, S Lehman, A Wolf, A Diaz, R Hammer, B Sanchez, LM Stellwagen and K Marc-Aurele, San Diego, CA. University of California San Diego

Abstract 538

9:45  IMPACT OF MATERNAL STRESS ON THEIR PARENT-INFANT INTERACTIONS: OBSERVATIONS WITH THE STILL FACE PARADIGM.
O Oyeku, L Chao, J Maxwell and J Lowe, Albuquerque, NM. University of New Mexico School of Medicine

Abstract 539

Neonatology - Perinatal Biology III
Studio 105 (Sunset Center)
Camille Fung and Viviana M. Fajardo, Presiding

Abstract 540

8:00  AVR-48 TREATMENT IMPROVES RESPIRATORY SYSTEM MECHANICS IN FORMER PRETERM LAMBS.
A Rebentisch, M Borton, E Major, J Van Boerum, MJ Dahl, D Null, D Riley, D Christensen, R Bromley, K Albertine and S Acharya, Salt Lake City, UT; Fort Worth, TX; Cary, NC. University of Utah (WSPR Reckitt/Mead Johnson Subspecialty Award)

Abstract 541

8:15  FETAL BRAIN DHA CONTENT IN SHEEP IS PRESERVED IN FETAL GROWTH RESTRICTION, IN SPITE OF LOWER DHA CONCENTRATIONS IN MATERNAL AND FETAL PLASMA.
SS Chassen, S Raymond-Whish, K Zemski-Berry, S Wesolowski, LD Brown, P Rozance and T Powell, Aurora, CO. University of Colorado (WSPR)

Abstract 542

8:30  CONTINUOUS INFUSION OF RECOMBINANT INSULIN-LIKE GROWTH FACTOR 1 AND BINDING PROTEIN 3 IMPROVES GLOMERULAR
CAPILLARY GROWTH IN MECHANICALLY VENTILATED PRETERM LAMBS.

Abstract 542

8:45 A REDISTRIBUTION OF THE MICRONUTRIENT SELENIUM OCCURS AFTER CARDIOPULMONARY BYPASS WITH DEEP HYPOTHERMIC ARREST IN INFANT PIGLETS.
A Hernandez, L Khailova, A Suarez-Pierre, J Iguidbashian, T Lehmann, G Seedorf, E Mandell, E Nozik, J Davidson and L Sherlock, Aurora, CO. University of Colorado Anschutz Medical Campus

Abstract 543

9:00 MESENCHYMAL STROMAL CELL SMALL EXTRACELLULAR VESICLES IMPROVE CAPILLARY GROWTH IN THE DISTAL ILEUM OF MECHANICALLY VENTILATED PRETERM LAMBS.

Abstract 544

9:15 CATECHOLAMINE METABOLITES ARE BIOMARKERS OF FETAL HYPOXEMIA AND GROWTH RESTRICTION DURING PLACENTAL INSUFFICIENCY.
A Moutwakil, L Brown, S Wesolowski and P Rozance, Aurora, CO. University of Colorado (WSPR Abbott Nutrition Subspecialty Award)

Abstract 545

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

Abstract 546

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

Abstract 547
8:00  CAN THIS BE COCCI? A COMPLEX EMPYEMA.  
J Patel, VE Espinoza, J Mendoza, S Mishra and K Fox, Bakersfield, CA. Kern Medical Center

Abstract 548

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

Abstract 549

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

Abstract 550

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

Abstract 551

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

Abstract 552

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

Abstract 553

9:30  ACTIVATION OF PLATELETS AND THE COMPLEMENT SYSTEM IN SCHISTOSOMIASIS-INDUCED PULMONARY HYPERTENSION.  
M Jordan, JN Posey, C Mickael, E Nozik and C Delaney, Aurora, CO. University of Colorado

Abstract 554

9:45  OUTCOMES OF INFANTS IN THE NEONATAL INTENSIVE CARE UNIT UNDERGOING MULTIPLE ATTEMPTS OF INTRACHEAL SURFACTANT ADMINISTRATION.
CONCURRENT SESSIONS

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

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

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

Behavior, Development and Psychology II
Promenade Lobby (Sunset Center)
Allison G. Dempsey, Presiding

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

Abstract 556

10:30 COMPARISON OF BAYLEY SCORE CHANGES FOR HIGH-RISK INFANTS
AFTER RELEASE OF UPDATED NORMS.
D Starzyk, J Dempsey, DL Cooke and AG Dempsey, Aurora, CO. University of Colorado
School of Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award)

Abstract 557

10:45 THE EXTRAORDINARY BABIES STUDY: COMPARISON OF 3
DEVELOPMENTAL SCREENING MEASURES FOR IDENTIFYING
DEVELOPMENTAL DELAYS IN YOUNG CHILDREN WITH PRENATAL
DIAGNOSIS OF SEX CHROMOSOME TRISOMIES.
A Radunovic, S Bothwell, TG Thompson, S Davis, J Ross and N Tartaglia, Aurora, CO; Houston, TX; Wilmington, DE. University of Colorado School of Medicine, Children’s Hospital Colorado Tilman J. Fertitta Family College of Medicine at the University of Houston (WSMRF)

Abstract 558

11:00 ANXIETY IN TURNER SYNDROME: ENGAGING COMMUNITY TO ADDRESS BARRIERS AND FACILITATORS TO DIAGNOSIS AND CARE.
A Carl, M Good, E Haag, C Hutaff-Lee, D Swain, N Tartaglia, S Davis, C Sakamoto and TG Thompson, Westminster, CO; Aurora, CO. Children’s Hospital of Colorado (WSPR Prolacta Bioscience Research Award)

Abstract 559

11:15 DEVELOPMENT AND EVOLUTION OF A PSYCHOLOGY-LED SCREENING PROGRAM IN A LEVEL-3 NEONATAL INTENSIVE CARE UNIT.
DL Cooke, AG Dempsey, C Solness, J Kelleher, S Takamatsu and J Dempsey, Denver, CO. CU Anschutz Medical Campus

Abstract 560

11:30 IMPROVING FAMILY ENGAGEMENT AND REDUCING DISPARITIES THROUGH TELEHEALTH IN THE NEONATAL INTENSIVE CARE UNIT.
J Kelleher, A Santisteban, J Dempsey, DL Cooke, C Solness, K Huber and AG Dempsey, Aurora, CO. University of Colorado School of Medicine

Abstract 561

11:45 LONGITUDINAL FOLLOW-UP OF METFORMIN TREATMENT IN FRAGILE X SYNDROME.
A Montanaro, F Buldoc, S Lippe and RJ Hagerman, Bari, Italy; Edmonton, BC, Canada; Montreal, BC, Canada; Sacramento, CA. UC Davis MIND Institute

Abstract 562

Genetics III
Rehearsal Room (Sunset Center)
Lynne M. Bird and Jennifer Schymick, Presiding

10:15 SHOULD WE CONSIDER SCREENING NEWBORNS OF CALIFORNIA TO IDENTIFY THEIR GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD) ENZYME STATUS?.
VK Bhutani and R Vidavalur, Palo Alto, CA; Ithaca, NY. Cayuga Medical Center/Weill Cornell Medicine

Abstract 563

10:30 APPLYING DATA SCIENCE METHODOLOGIES TO CLINICAL GENETIC DATA TO ESTIMATE GENETIC DISORDER PREVALENCE.
S Jackson and J Woods, Madera, CA. Valley Children's Hospital

Abstract 564

97
10:45 FETAL DIAGNOSIS OF AUTOSOMAL DOMINANT ROBINOW SYNDROME DUE TO NOVEL DVL1 VARIANT: EXPANSION OF THE PHENOTYPE.
CM Smith, K Guinon, CG Tise and S Bachir, Palo Alto, CA. Stanford Medicine: Children's Health

11:00 RGX-121: AN INVESTIGATIONAL GENE THERAPY FOR THE TREATMENT OF NEURONOPATHIC MUCOPOLYSACCHARIDOSIS TYPE II (MPS II): INTERIM ANALYSIS OF DATA FROM THE FIRST-IN-HUMAN STUDY.
DR Blair, P Harmatz, C Ficicioglu, R Giugliani, DS Rajan, J Hagood, M Fiscella, L Yang, M Gilmor, Y Cho, C Mulatya, D Phillips, P Falabella and L Pisani, San Francisco, CA; Oakland, CA; Philadelphia, PA; Porto Alegre, Brazil; Pittsburgh, PA; Rockville, MD. University of California San Francisco UCSF Benioff Children’s Hospital Oakland (WSPR Reckitt/Mead Johnson Subspecialty Award)

11:15 SUCCESSFUL TREATMENT OF MULTIFOCAL ATRIAL TACHYCARDIA WITH TRAMETINIB IN COSTELLO PATIENT.
G Akay, V Taliercio and D Viskochil, Salt Lake City, UT. University of Utah

11:30 ADENO-ASSOCIATED VIRUS (AAV) DUO VECTOR GENE THERAPY STRATEGIES FOR HSPB8-RELATED VACUOLAR MYOPATHY.
L Weiss, A ShMaralyssa, P Pal, h Zhang, P Farahat, V Boock, A Villalta, X Xu and V Kimonis, Irvine, CA. University of California, Irvine (WSPR Prolacta Bioscience Research Award)

11:45 MEK INHIBITION IN LYMPHATIC MALFORMATIONS CAUSED BY RASA1.
P Selvam, G Akay, V Taliercio, S Cole and D Viskochil, Salt Lake City, UT. University of Utah Health

Healthcare Delivery Research V - Quality Improvement
Babcock #6 (Sunset Center)
Suha Bachir, Presiding

10:15 A STUDY OF PATIENT OUTCOMES USING A HYBRID HUMAN AND ARTIFICIAL INTELLIGENCE WORKFLOW FOR FOLLOW-UP RECOMMENDATIONS FROM RADIOLOGY.
K Nakashima, C Shu, E Ho, S Lopez, R Wolf, D Hoang, S Shieh and R Houshyar, Orange, CA. University of California, Irvine

10:30 OPTIMIZING PREGNANCY AND INFANT OUTCOMES IN SUBSTANCE USE DISORDER AND NEONATAL ABSTINENCE SYNDROME – A NOVEL CURRICULUM TO IMPROVE THE CARE OF DYADS IMPACTED BY OPIOID
USE DISORDER IN RURAL NORTHERN CALIFORNIA.
K Kuhn-Riordon, S Connor, JP Marcin, S Yang, E Htway, A Sanders and S Clark, Sacramento, CA. UC Davis
Abstract 571

10:45 OPTIMIZING HEALTHCARE DELIVERY FOR SACRAMENTO’S UNDERSERVED: A MULTI-PART STUDY OF WILLOW CLINIC’S PATIENTS DEMOGRAPHICS, PRIMARY HEALTH CONCERNS, AND QUALITY IMPROVEMENT PROTOCOLS (PART I).
S Shah, D Nangia, K Richards and K Malhotra, Sacramento, CA. University of California, Davis School of Medicine
Abstract 572

11:00 HAND HYGIENE HEROES INITIATIVE IMPLEMENTATION IMPROVES HAND HYGIENE.
R Boldut, A Duan, S Kuhn, A Kwong, J Zhang, D Duffy, J Gilbertson, K Lidstone and A Newman, Vancouver, BC, Canada. University of British Columbia BC Children’s Hospital
Abstract 573

11:15 ELIMINATING BARRIERS TO CONTRACEPTION THROUGH CONTINUING EDUCATION AND IMPLEMENTATION OF SUBCUTANEOUS DMPA FOR AT-HOME USE.
P Rangel, C Clark and J Karlin, Sacramento, CA. UC Davis School of Medicine
Abstract 574

11:30 MEASURING THE EFFECTIVENESS OF A NUTRITIONAL REHABILITATION PROGRAM FOR SEVERE ACUTE PEDIATRIC MALNUTRITION IN RURAL INDIA.
MF Butt, AM Ruf, D Arredondo, N Patel, A Judkins and B Fassl, Rootstown, OH; Salt Lake City, UT; Mota Fofalia, India. Northeast Ohio Medical School (WSPR)
Abstract 575

11:45 IMPROVING SCREENING AND DOCUMENTATION OF NEONATAL ADVERSE CHILDHOOD EXPERIENCES.
K Sacotte and C Torr, Salt Lake City, UT. University of Utah (WSPR)
Abstract 576

Hematology and Oncology III
Green Room (Sunset Center)
Jerome Graber, Presiding

10:15 THE ADDED VALUE OF PROSTATE MAGNETIC RESONANCE IMAGING TO PATIENT SELECTION.
E Jyo, H Yoon and B Burton, Honolulu, HI. John A. Burns School of Medicine (WSMRF)
Abstract 577
10:30 IMPLEMENTING A NEW RESTRICTIVE HEMOGLOBIN THRESHOLD FOR RED BLOOD CELL TRANSFUSION IN PATIENTS WITH HEMATOLOGIC AND ONCOLOGIC DISORDERS.
AJ Cowley, HC Tsang, DA Garcia, RA Hasan, PC Mathias, S Panch, MC Thomas and MB Pagano, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 578

10:45 ENGINEERING MURINE T CELLS TO DEVELOP NOVEL IMMUNOTHERAPY TREATMENTS.
J Schwensen and P Greenberg, Seattle, WA. University of Washington School of Medicine
Abstract 579

11:00 THE EFFECTS OF CELL-CELL ORIENTATION IN MODELING THE HALLMARKS OF LUNG CANCER IN VITRO.
A Espinoza, R McVicar, E Smith, D Finlay and SL Leibel, La Jolla, CA. University of California, San Diego (WAFMR)
Abstract 580

RA Aviles, Y Wu and K Wu, Los Angeles, CA. Charles Drew University
Abstract 581

11:30 EDUCATION AND SCREENING FOR SICKLE CELL DISEASE IN RURAL NEPAL: A 9-YEAR REVIEW.
S Yu, J Penner, J Handra, J Cunningham, D Sapkota and V Kapoor, Vancouver, Canada; Dang, Nepal. University of British Columbia
Abstract 582

11:45 ADAPTING RNA-ISH PROTOCOL TO EXAMINE CYTOLOGIC SLIDES OF LUNG ADENOCARCINOMA EFFUSIONS.
N Howard, Y Zhu, A Wang and A Lower, Stanford, CA; Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences (WSMRF)
Abstract 583

Immunology and Rheumatology II
Room 5 (Sunset Center)
Kevin Deane and Sebastien Fuchs, Presiding

10:15 DEFINING THE ROLE OF THE AUTOPHAGY RECEPTOR TEX264 IN EPIDERMAL DIFFERENTIATION.
B Lorenz, CJ Johnson, A Twiaa, M Sarkar, JE Gudjonsson and CL Simpson, Seattle, WA; Ann Arbor, MI. University of Washington (WSMRF)
Abstract 584

10:30 HIDRADENITIS SUPPURATIVA IS ASSOCIATED WITH INFLAMMATORY BOWEL DISEASE, INFLAMMATORY ARTHRITIS, AND OTHER
AUTOIMMUNE DISEASES.
A Kassels and C Kraus, Irvine, CA. University of California, Irvine, School of Medicine (WSMRF)
Abstract 585

10:45 CXCR4 MEDIATES CD8+ T CELL FUNCTION IN INFLUENZA-INFECTED LUNGS.
M Resta, N Le, P Mrass, A Languit and JL Cannon, Albuquerque, NM. University of New Mexico
Abstract 586

11:00 INCIDENTAL FINDINGS ON HIGH RESOLUTION COMPUTED TOMOGRAPHY SCANNING OF THE LUNGS PERFORMED TO EVALUATE FOR INTERSTITIAL LUNG DISEASE IN RHEUMATOID ARTHRITIS.
M Parfait, K Deane, M Siedschlag, L Moss and ML Feser, Denver, CO; Aurora, CO. Saint Joseph Hospital (WAP/WSCI Travel Award Winner)
Abstract 587

11:15 ASSESSMENT OF RISK OF MISCARRIAGE WITH AND WITHOUT BIOLOGIC TREATMENTS FOR AUTOIMMUNE DISEASE.
CM Nolde, A Kachikis and S McCartney, Seattle, WA. University of Washington University of Washington School of Medicine
Abstract 588

11:30 DIAGNOSTIC APPROACH FOR GENERALIZED LYMPHADENOPATHY.
E Evers, C Kulyn, S Dulani, S Mishra, C D’Assumpcao and K Fox, Bridgetown, Barbados; Bakersfield, CA. Ross University School of Medicine Kern Medical Center
Abstract 589

11:45 GENE EXPRESSION OF CANDIDATE IMMUNE GENES IN BIOMPHALARIA SUDANICA IN RESPONSE TO SCHISTOSOMA MANSONI EXPOSURE.
B Marsonette, K Nguyen, T Pennance, J Calvelo, A Iriarte, G Owino, F Rawago, M Odiere, M Steinauer and Y Xiong, Lebanon, OR; Montevideo, Uruguay; Kisumu, Kenya. Western University of Health Sciences
Abstract 590

Neonatology General VI
Carpenter Hall
Sonia Bonifacio and Sarah M. Tweddell, Presiding

10:15 TEST CHARACTERISTICS OF POINT-OF-CARE LUNG ULTRASOUND TO PREDICT DISCONTINUATION OF CONTINUOUS POSITIVE AIRWAY PRESSURE.
F Myers, R Dasani, Y Singh, VY Chock and S Bhombal, Palo Alto, CA; Loma Linda, CA; Atlanta, GA. Stanford Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award) (WSPR)
Abstract 591
10:30 EVALUATING GENERAL MOVEMENT ASSESSMENTS IN NEONATES WITH GASTROINTESTINAL ANOMALIES.
L Soumekh, S Bell, T Grogan, K Kesavan and KL Calkins, Los Angeles, CA. University of California Los Angeles

10:45 TIMING AND FATIGUE ASSOCIATED WITH 3:1 COMPRESSION-TO-VENTILATION RATIO DURING NEONATAL RESUSCITATION.
E Giusto, D Sankaran, E Riley, A Lesneski, R Valdez, M Hardie, H Joudi, KC Tully, VL Hammitt, P Vali and S Lakshminrusimha, Sacramento, CA; Redding, CA. University of California University of California, Davis (WSPR Abbott Nutrition Subspecialty Award)

11:00 ERYTHROCYTE POLYUNSATURATED FATTY ACID CONTENT AND CHRONIC LUNG DISEASE.
T Gillespie, T Igawa, ES Kim, LJ Lee, T Grogan, A Chu and KL Calkins, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR Prolacta Bioscience Research Award) (WAFMR)

11:15 FEASIBILITY OF USING ULTRASOUND TO IMPROVE LUMBAR PUNCTURE SUCCESS RATE IN NEONATES BY PHYSICIANS WITHOUT PRIOR ULTRASOUND EXPERIENCE.
J Huang, R Cayabyab, R Ramanathan and AM Yeh, Los Angeles, CA. Los Angeles General Medical Center Keck School of Medicine of University of Southern California

11:30 PERINATAL CAFFEINE IMPROVES SYSTEMIC INFLAMMATION IN AN OVINE MODEL OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.
J Mike, Y White, C Vento, J Ha, H Manzoor, B Goudy, S Lakshminrusimha, J Fineman, DM Ferriero, A Iranmabhoub and E Maltepe, San Francisco, CA; Davis, CA. UCSF

11:45 SELF-REGULATING PHYSIOLOGIC RESPONSE AND INTENSITY IN NAVIGATING TIME-SENSITIVE SITUATIONS (SPRINTS).
L Halamek, Stanford, CA. Stanford Medicine (WSPR)

Neonatology Pulmonary III
Conductor's Room
Matt Douglass and Erica Mandell, Presiding

10:15 VIRTUAL/TELESIMULATION IS NON-INFERIOR TO IN-PERSON HELPING BABIES BREATHE TRAINING IN JIMMA, ETHIOPIA.
M Clary, M Berhane, J Liang, K Daniels, H Lee, B Eshetu and R Mediratta, Stanford, CA; Jimma, Ethiopia; San Diego, CA. Stanford School of Medicine (WSMRF)
10:30 COMPARISON OF OXYGENATION INDEX (OI), OXYGEN SATURATION INDEX (OSI), AND PAO2/FIO2 (PF) IN NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA.
T Ellsworth, M Yang and B Yoder, Salt Lake City, UT. University of Utah

10:45 UPDATED CUTOFF VALUE OF EARLY POSTNATAL PREDICTION MODEL FOR SURVIVAL WITHOUT ECMO IN CONGENITAL DIAPHRAGMATIC HERNIA.
C Torsitano, M Yang, CC Yost and B Yoder, Salt Lake City, UT. University of Utah

11:00 EVALUATION OF EFFECTIVE PRESSURE DELIVERY BY NASAL HIGH-FREQUENCY JET VENTILATION IN A NEONATAL LUNG MODEL USING NIV+ SOFTWARE.
R Kibe, R Ramanathan and M Biniwale, Los Angeles, CA. LAGMC University of Southern California (WSPR)

11:15 PERINATAL AND MATERNAL RISK FACTORS FOR PROLONGED RESPIRATORY SUPPORT IN MODERATELY LOW BIRTH WEIGHT BABIES ADMITTED TO THE NICU.
J Sosa, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. Los Angeles General Medical Center/University of Southern California

11:30 MINIMALLY INVASIVE SURFACTANT THERAPY (MIST) TO REDUCE BRONCHOPULMONARY DYSPLASIA (BPD): A QUALITY IMPROVEMENT PROJECT.
S Razdan, H Gu, L Bain and A Davis, Palo Alto, CA. Stanford University School of Medicine (WSPR)

11:45 UTILIZATION OF NON-INVASIVE NEURALLY ADJUSTED VENTILATION ASSIST (NI-NAVA) TO IMPROVE SHORT TERM RESPIRATORY OUTCOMES IN EXTREMELY PRETERM INFANTS: A QUALITY IMPROVEMENT PROJECT.
10:15 INTRANASAL DELIVERY OF INCRETIN RECEPTOR AGONISTS IN THE APP/PS1 MOUSE MODEL OF ALZHEIMER'S DISEASE.
N Abdulhameed, A Babin, K Hansen, W Banks, K Talbot and E Rhea, Seattle, WA. University of Washington School of Medicine Veterans Affairs Puget Sound Health Care System

Abstract 605

10:30 DISPARITIES IN CARE FOR PARANEOPLASTIC NEUROLOGIC SYNDROMES.
AR Prince and J Graber, Seattle, WA. University of Washington (WSMRF)

Abstract 606

10:45 A CROSS-SECTIONAL NHANES ANALYSIS OF THE ASSOCIATION BETWEEN MIGRAINE AND DIABETES MELLITUS.
S Salib, J Kim, S Ezzati and M Abouzari, Elk Grove, CA; Durham, NC; Irvine, CA. California Northstate University, College of Medicine

Abstract 607

11:00 ASSESSING NEUROBEHAVIOR IN MICE OVEREXPRESSING TRANSFORMING GROWTH FACTOR BETA: A MODEL OF CEREBRAL SMALL VESSEL DISEASE.
H Chung, M Adler-Wachter and J Weinstein, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 608

11:15 ASSESSING NEURONAL EDEMA IN MILD TRAUMATIC BRAIN INJURIES.
V Carlson and R Morton, Albuquerque, NM. University of New Mexico

Abstract 609

11:30 STATE-OF-THE-ART SPEAKER:
TBD.
Nicole Coufal, Rady Children’s Hospital-San Diego
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NaN: **UNFETTERED GROWTH OF A PYOGENIC-LIKE GRANULOMA SQUAMOUS CELL CARCINOMA.**  
*J Abraham, C Aranguri, B Mann and M Clarke, Bakersfield, CA. Kern Medical*  
Abstract 610

NaN: **MAY-THURNER LIKE SYNDROME: A CASE REPORT.**  
*J Abraham, N Al-Yousfi and S Mishra, Bakersfield, CA. k**ern medical*  
Abstract 611

NaN: **LETROZOLE-INDUCED PARONYCHIA.**  
*C Alcantara, A Kesler, A Vu and D Pham, Pomona, CA; Chino Hills, CA. Western University of Health Sciences*  
Abstract 612

NaN: **ISOLATED SCAPULAR FRACTURE: A DIAGNOSTIC CHALLENGE.**  
*E Inga Jaco and A Bazmi, Bakersfield, CA. Kern Medical*  
Abstract 613

NaN: **AN ATYPICAL PRESENTATION OF A HYPOTHYROID PATIENT WITH HYPOKALEMIA AND PARALYSIS.**  
*J Woods, J Patel, M Clarke, S Singh and S Chandramahanti, Bakersfield, CA; Christ Church, Barbados. Kern Medical*  
Abstract 614

NaN: **URETERAL DIAMETER RATIO AS A RISK FACTOR FOR FEBRILE URINARY TRACT INFECTIONS IN CHILDREN WITH PRIMARY VESICOURETERAL REFLUX.**  
*D Roh, S Dwumfour, P Papaioannou, A Farkouh, J Pearce, S Song, K Cheng, R Kuang, D Chamberlin and J Chamberlin, Loma Linda, CA. Loma Linda University (WSMRF)*  
Abstract 615

NaN: **RUQ RECTUS SHEATH HEMATOMA: A DIAGNOSTIC DILEMMA.**  
*R Sharma, C Aranguri, T Yanni and G Petersen, Bakersfield, CA. Kern Medical Center David Geffen School of Medicine*  
Abstract 616

NaN: **THE SILENT INTRUDER UNVEILED: THE ELUSIVE DIAGNOSIS OF TUBERCULOSIS MENINGITIS.**  
*S Thiagarajan and MP Reyes, Porterville, CA. Sierra View Medical Center*  
Abstract 617