Participating Societies:
Western Section American Federation for Medical Research
Western Society for Pediatric Research

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

Abbott Nutrition
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Save the Date for 2022 WMRC
January 20-22, 2022
2021 WESTERN MEDICAL RESEARCH CONFERENCE (WMRC)  
PROGRAM AT-A-GLANCE  
January 29-30, 2021

Platform will adjust to your local time you are in. Meeting is in PST time zone

<table>
<thead>
<tr>
<th>TIME</th>
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<tbody>
<tr>
<td>FRIDAY, JANUARY 29, 2021</td>
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<tr>
<td>8:00 am – 8:10 am</td>
<td>WELCOME</td>
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<tr>
<td>8:10 am – 9:05 am</td>
<td>Genetics I</td>
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<td>Healthcare Research I - Therapies</td>
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<td>Neonatology – Perinatal Biology I</td>
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<td>Neuroscience I</td>
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<td>9:05 am – 10:00 am</td>
<td>COVID - Infectious Diseases I</td>
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<td>Healthcare Research II – Learning</td>
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<td>Morphogenesis and Malformations</td>
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<td>Neonatology General I</td>
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<td>10:00 am – 10:10 am</td>
<td>BREAK</td>
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<tr>
<td>10:10 am – 11:05 am</td>
<td>Adolescent Medicine and Behavior Development I</td>
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<td>Immunology and Rheumatology</td>
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<td>Infectious Diseases I</td>
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<td>Neonatology General II</td>
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<td>11:05 am – 12:00 pm</td>
<td>Adolescent Medicine and Behavior Development II</td>
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<td>Endocrinology and Metabolism I</td>
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<td>Healthcare Research III – Machine</td>
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<td>Neonatology Pulmonary</td>
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<td>12:00 pm – 1:00 pm</td>
<td>BREAK</td>
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<tr>
<td>1:00 pm – 2:20 pm</td>
<td>AWARD SESSIONS AND PRESENTATIONS</td>
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<td>Henry Christian Award</td>
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<td>WSPR Abbott Nutrition Lowell Glasgow Student Research Award</td>
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<td>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award</td>
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<td>2:20 pm – 3:15 pm</td>
<td>WSPR Abbott Nutrition Young Investigator Research Award</td>
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<td>Adolescent Medicine and Behavior Development III</td>
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<td>Hematology and Oncology</td>
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<td>Neonatology General III</td>
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<td>Surgery I</td>
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<td>3:15 pm – 4:10 pm</td>
<td>Genetics II</td>
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<td>Neonatology General IV</td>
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<td>Pulmonary and Critical Care</td>
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<td>4:10 pm – 4:20 pm</td>
<td><strong>BREAK</strong></td>
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<td>4:20 pm – 5:15 pm</td>
<td>Gastroenterology</td>
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**SATURDAY, JANUARY 30, 2021**

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 – 8:15 am</td>
<td>JOINT PLENARY SESSION</td>
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<td>WAFMR and WSPR</td>
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<tr>
<td>8:00 – 8:15 am</td>
<td>Welcome WAFMR and WSPR President</td>
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<tr>
<td>8:15 – 9:00 am</td>
<td>WSPR Stanley Wright Lecture</td>
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<tr>
<td></td>
<td>Healthcare Disparities Research As A Way To Improve the Healthcare System</td>
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<td><em>Ricardo Correa, University of Arizona College of Medicine Phoenix</em></td>
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<tr>
<td>9:00 am – 9:55 am</td>
<td>Cardiovascular I</td>
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<td>Neonatology - Perinatal Biology II</td>
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<td>Neuroscience II</td>
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<td>Adolescent Medicine and Behavior Development IV</td>
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<td>9:55 am – 10:05 am</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>10:05 am – 11:00 am</td>
<td>Adolescent Medicine and Behavior Development IV (continued)</td>
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<td>Neonatology General VI</td>
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<td>Cardiovascular, Nephrology and Hypertension</td>
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<td>Endocrinology and Metabolism II</td>
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<td>1:55 pm – 2:50 pm</td>
<td>Health Care Research VI - Quality Improvement</td>
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<td>Shinya Abe</td>
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WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Friday, January 29, 2021
8:00 AM – 8:10 AM

8:00 AM WELCOME

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CONCURRENT SESSIONS

Friday, January 29, 2021
8:10 AM – 9:55 AM

Jointly sponsored by

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

Genetics I…………………………………………………………………………….Room 1
Healthcare Research I - Therapies………………………………………………Room 2
Neonatology - Perinatal Biology I………………………………………………Room 3
Neuroscience I……………………………………………………………………Room 4

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Genetics I
Room 1
Anne Slavotinek, Presiding

8:10 PROSPECTIVE STUDY OF EPILEPSY IN NGLY1 DEFICIENCY.
RJ Levy; CH Frater, WB Galentine and MR Ruzhnikov, Stanford, CA. Stanford University School of Medicine (Mead Johnson Merit Award Genetics)

Abstract 1

8:14 CLINICAL WHOLE GENOME SEQUENCING IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER: A PILOT STUDY.
KWigby, T Carr, M Feddock, AJindal, DDimmock, SKingsmore, J Friedman and CHobbs, San Diego, CA. University of California, San Diego (WSPR)

Abstract 2

8:18 PHENOTYPIC CHARACTERIZATION OF WAC RELATED INTELLECTUAL DISABILITY DUE TO A NOVEL SPLICING VARIANT.
JA Morales, M Valenzuela, B Isidor, ICusco-Marti, DRMatalon and NGomez-Ospina, Stanford, CA; Barcelona, Spain; Nantes, France. Stanford University (WSPR)

Abstract 3

8:22 IDENTIFICATION OF CEP68 AS A CANDIDATE GENE FOR INSULIN CLEARANCE AND TYPE 2 DIABETES.
JH Nguyen and M Peterfy, Pomona, CA. Western University of Health Sciences

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**Abstract 4**

8:26 **URINE LUCK: A RARE CASE OF A CONGENITAL DISORDER OF GLYOSYLATION DIAGNOSED BY URINE OLIGOSACCHARIDES.**

*R Gates, K Cusmano-Ozog and N Gomez-Ospina, Stanford, CA. Stanford University (WSMRF)*

**Abstract 5**

8:30 **SHORT BONES, RENAL STONES, AND DIAGNOSTIC MOANS: HYPERCALCEMIA IN A GIRL FOUND TO HAVE COFFIN-LOWRY SYNDROME.**

*CG Tise, M Grover, DR Matalon and H Byers, Stanford, CA. Stanford University (WSPR)*

**Abstract 6**

8:34 **NOVEL PHENOTYPE OF BONE MARROW FAILURE IN HUWE1-ASSOCIATED INTELLECTUAL DISABILITY AND SKEWING OF X-CHROMOSOME INACTIVATION IN MATERNAL BLOOD SUPPORT ROLE OF HUWE1 IN HEMATOPOIESIS.**

*C Carlston, SL Sell, JA Sullivan, S Brown, A Bentley, D Mettman, I Thiffault, P Bayrak-Toydemir and L Botto, San Francisco, CA; Hershey, PA; Durham, NC; Salt Lake City, UT; Kansas City, MO. UCSF (WAFMR)*

**Abstract 7**

8:38 **A RARE CO-OCCURRENCE OF AICARDI GOUTIERES SYNDROME WITH BI-ALLELIC POLG1 VARIANTS IN A CHILD OF CONSANGUINEOUS PARENTS.**

*AE Lee, A Feigenbaum, D Dimmock and D Malicki, San Diego, CA; La Jolla, CA. University of California San Diego Rady Children's Hospital San Diego*

**Abstract 8**

8:42 **QUESTION AND ANSWERS**

Healthcare Research I - Therapies
Room 2
*Nathanael E. Phillips, Presiding*

**Abstract 9**

8:10 **THE ACCURACY OF CLINICAL AND OBSTETRICAL POINT OF CARE ULTRASOUND (POCUS) IN ESTIMATING FETAL WEIGHT VERSUS ACTUAL BIRTH WEIGHT: A PILOT PROSPECTIVE STUDY OF RIO BRAVO FAMILY MEDICINE RESIDENCY PROGRAM.**

*V Marquez, Bakersfield, CA. Rio Bravo Family Medicine Residency Program (WAFMR)*

**Abstract 9**

8:14 **EFFECTS OF MINDFULNESS MEDITATION ON PATIENT SATISFACTION DURING URODYNAMIC STUDY.**

*H Wagner, M Baranda, F Jellison and A Staack, Zephyrhills, FL. Loma Linda University*
8:18  THE EFFECTS OF COUGH SUPPRESSION THERAPY ON VOICE SEVERITY.  
D LaTour, R Hahn, B Crawley, P Krishna and T Murry, Loma Linda, CA. Loma Linda University

Abstract 10

8:22  DEVELOPMENT OF A QUESTIONNAIRE ON ACCESS TO SICKLE CELL DISEASE CARE IN THE INDIGENOUS THARU POPULATION OF NEPAL.  
SY Starkey, K Gray, C Lanz, J Taylor, SA Lim, K Patterson and V Kapoor, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Abstract 11

8:26  TELEMEDICINE TRAINING TO IMPROVE HEALTHCARE ACCESS FOR SENIOR LIVING COMMUNITY RESIDENTS IN LEWISTOWN, MONTANA.  
W French, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 12

8:30  KNOWLEDGE AND RISK PERCEPTION ABOUT HEPATITIS C: PRELIMINARY EVIDENCE FROM A CROSS-SECTIONAL STUDY OF ADULTS LIVING IN LOUISIANA.  
B Novak, K Panbechi and J Matacotta, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 13

8:34  ADEQUACY OF ANESTHESIA INFORMATION RECEIVED BY PEDIATRIC PATIENTS' PARENTS AND THEIR PREFERRED METHOD OF EDUCATION.  
L Nguyen, La Jolla, CA. University of California San Diego

Abstract 14

8:38  ADDRESSING ALCOHOL USE DISORDER IN PLAINS, MT THROUGH ONLINE MUTUAL SUPPORT GROUPS.  
M Napier, Spokane, WA. University of Washington School of Medicine

Abstract 15

8:42  QUESTION AND ANSWERS

Neonatology - Perinatal Biology I  
Room 3  
Lisa Joss-Moore, Presiding

8:10  ANTENATAL SELENIUM DEFICIENCY DECREASES NEONATAL HEPATIC AND PLASMA GLUTATHIONE PEROXIDASE.  
D Balasubramaniyan, L Zheng, R de Dios, T Sizemore, E Nozik, CJ Wright and L Sherlock, Aurora, CO. University of Colorado Denver School of Medicine

Abstract 17

8:14  HYPOXEMIA DOES NOT POTENTIATE HYPOGLYCEMIA INDUCED
GLUCOSE PRODUCTION IN FETAL SHEEP.
P Mukherjee, AK Jones, P Rozance, LD Brown, S Limesand and S Wesolowski, Aurora, CO; Tucson, AZ. University of Colorado

Abstract 18

8:18 REDUCED VEGFA IS ASSOCIATED WITH DIFFERENCES IN THE MICROVASCULAR STRUCTURE IN IUGR SKELETAL MUSCLE.
T Dear, E Chang, A Heintz, S Wesolowski, S Jonker, P Rozance and L Brown, Denver, CO; Portland, OR. University of Colorado Denver School of Medicine (WSPR Abbott Nutrition Pediatric Resident Research Award)

Abstract 19

8:22 CEREBRAL REGIONAL OXYGEN SATURATION DURING RESUSCITATION IN PERINATAL ASPHYXIAL CARDIAC ARREST.
LI Zeinali, M Hardie, A Lesneski, D Sankaran, S Lakshminrusimha and P Vali, Sacramento, CA; Davis, CA. University of California Davis

Abstract 20

8:26 DISTINCT POPULATIONS OF DEVELOPING MACROPHAGES IN EMBRYONIC MOUSE LIVERS AND LUNGS.
S Hietalati, L Butcher and L Prince, La Jolla, CA. University of California San Diego (WSPR)

Abstract 21

8:30 IN VITRO INHIBITORY POTENCY OF D-PENICILLAMINE ON HEME OXYGENASE ISOZYME ACTIVITY.
K Fuwa, CM Konecny, DK Stevenson and RJ Wong, Stanford, CA. Stanford University School of Medicine

Abstract 22

8:34 A NOVEL RAT MODEL OF INFLAMMATION DRIVEN DIFFUSE WHITE MATTER INJURY.
J Waddell, K Carter, N Ojeda and Y Pang, Jackson, MS. University of Mississippi Medical Center

Abstract 23

8:38 STANDARDIZED CHITOSAN NANOPARTICLES.
AC Jaeger, N Iwakoshi and W Kirsch, Loma Linda, CA; Raleigh, NC; College Place, WA. Loma Linda University

Abstract 24

8:42 QUESTION AND ANSWERS
8:10 PRECLINICAL PRENATAL ALCOHOL EXPOSURE AND PLACENTAL INSUFFICIENCY RESULT IN ALTERED CEREBELLAR PEDUNCLE MICROSTRUCTURE.
D Marquez, N Pavlik, S Davies, D Savage and J Maxwell, Rio Rancho, NM. University of New Mexico

8:14 SOMATIC MOSASISM OF A SINGLE PLATELET DERIVED GROWTH FACTOR RECEPTOR BETA VARIANT: THE ROLE OF ALLELE FREQUENCY ON PHENOTYPE.
F El-Ghazali and M Ferreira, Sammamish, WA. University of Washington

8:18 EFFECT OF PREOPERATIVE OPIOID USE ON POST OPERATIVE OPIOID DEMAND AND LENGTH OF STAY FOLLOWING SPINAL FUSION FOR TRAUMA.
L Castellini and R Saigal, Seattle, WA. University of Washington School of Medicine

8:22 BIOINFORMATIC COMPARISONS OF ZEBRAFISH AND RATS AFTER SPINAL CORD INJURY.
AG Navarro and K Mruk, Spokane, WA; Laramie, WY. WWAMI Medical Education, University of Washington School of Medicine, Spokane, WA. (WSMRF)

8:26 ALTERED EXPRESSION OF HSPA1B AND DNAJB1 IN BRAIN OF CALPAIN-1 KNOCKOUT MICE.
S Shiehzadegan and M Baudry, Chino Hills, CA. Western University of Health Sciences (WSMRF)

8:30 SUPEROTEMPORAL RETINAL AMYLOID IMAGING SIGNALS PATHOLOGIC NEURODEGENERATION AND MEMORY DEFICITS IN SUBJECTS WITH COGNITIVE DECLINE.
T Torbati, OM Dumitrescu, J Sheyn, PD Lyden, A Sherzai, D Sherzai, DS Sherman, S Verdooner, KL Black, Y Koronyo and M Koronyo-Hamaoui, Pomona, CA; Los Angeles, CA; Loma Linda, CA; Sacramento, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific Cedars Sinai Medical Center (WAFMR Subspecialty Award) (WAFMR)

8:34 PRENATAL ALCOHOL EXPOSURE AND PLACENTAL INSUFFICIENCY ALTER NEURONAL COMPLEXITY IN RAT PREFRONTAL CORTEX.
N Pavlik, J Newville, S Davies, C Jose, D Savage and J Maxwell, Rio Rancho, NM. University of New Mexico

8:42 QUESTION AND ANSWERS
CONCURRENT SESSIONS
Friday, January 29, 2021
9:05 AM – 10:00 AM
Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH
COVID - Infectious Diseases I…………………………………………………………..Room 1
Healthcare Research II - Learning………………………………………………………Room 2
Morphogenesis and Malformations………………………………………………………Room 3
Neonatology General I……………………………………………………………………Room 4

COVID - Infectious Diseases I
Room 1
Fred Buckner, Presiding

9:05 ASSOCIATION OF CORONAVIRUS DISEASE 2019 (COVID-19) AND STROKES IN YOUNG AND MIDDLE-AGED ADULTS.
S Marquina, N Le, S Narayanan, K Parang, L Um, D Villegas and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)
Abstract 32

9:09 CASE CONTROL STUDY: D-DIMER AS A PROGNOSTIC FACTOR FOR DISEASE SEVERITY IN COVID-19 INFECTIONS.
Y Eslami, E Kuhn and T Saylor, Long Beach, CA. College Medical Center Long Beach
Abstract 33

9:13 EPIDEMIOLOGIC CHARACTERISTICS OF MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN (MIS-C) WITH A FOCUS ON OUTCOMES.
K Ghasemian, A Axelson, A Mommileti, D Ramesh, R Syed, S Wang and B Afghani, Irvine, CA; Orange, CA. University of California Irvine School of Medicine (WSMRF)
Abstract 34

9:17 IMPACT OF COVID-19 INFECTION ON PATIENTS POST-DISCHARGE.
KR Stanek, S Garimella, M Huey, D Davis, JB Leary, R Becerra and R Lam, Colorado Springs, CO. University of Colorado (WAFMR)
Abstract 35

9:21 POTENTIAL FOR RECURRENCE OF CORONAVIRUS 2019 (COVID-19) IN RECOVERED PATIENTS.
S Arumalla, M Attar, A Lim, W Lin, B Mukkamala, K Shirish and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine
Abstract 36
9:25 AN OBSERVATIONAL STUDY OF COVID-19 IN A PUBLIC ACADEMIC MEDICAL CENTER.
R Sharma, A Heidari, L Moosavi, M Miyakke, J Joliff, R Kuran, J Bhandohal and R Johnson, Bakersfield, CA. **Kern Medical Center**

Abstract 37

9:29 MOBILE HEALTH CLINICS TO COMBAT THE SPREAD OF COVID-19 IN MIGRANT FARMWORKERS OF SKAGIT COUNTY, WASHINGTON.
PS Fallah, Seattle, WA. **University of Washington School of Medicine**

Abstract 38

9:33 EFFECTIVENESS OF CONVALESCENT PLASMA THERAPY IN CORONAVIRUS DISEASE 2019 (COVID-19) CASES.
I Okwuosa, B Barsoum, E Flores, A Kasargod, D Nassir, A Pammidimukkala and B Afghani, Irvine, CA; Orange, CA. **UC Irvine School of Medicine (WSMRF)**

Abstract 39

9:37 QUESTION AND ANSWERS

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10:00 am – 10:10 am BREAK

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Healthcare Research II - Learning
Room 2
Matthew D. McEchron, Presiding

9:05 TEACHING CAREGIVERS TO IDENTIFY RESPIRATORY DISTRESS USING DIFFERENT MODES OF EDUCATION.
K Houmpheng, R Hassler, P Sosa and L Fullerton, Albuquerque, NM; Bronx, NY. **University of New Mexico School of Medicine**

Abstract 40

9:09 STUDENT PERSPECTIVE OF TEAM DYNAMICS BEFORE AND AFTER A DISASTER RESPONSE COURSE.
E Cha, E Madsen, ET Reibling, E Richards and P Savino, Loma Linda, CA. **Loma Linda University Adventist Health Sciences Center**

Abstract 41

9:13 A QUALITY IMPROVEMENT PROJECT IMPACTS RESIDENT SATISFACTION WITH THE DEPART PROCESS.
K Upplegger, M Heubeck, L Lopez, A Subbasswamy, G McCauley, T Ozechowski, A Belmonte, R Craig, A Duran, K Fath, S Lunderman and E Jimenez, Albuquerque, NM. **University of New Mexico Health Sciences Center**

Abstract 42

9:17 A UNIVERSITY COLLABORATION IN CREATING A POWERED AIR PURIFYING RESPIRATOR: AN EMERGENCY INNOVATIVE RESPONSE.
SC Wasden, S Simister, B McRae, S Jayaraman and B Fassl, Salt Lake City, UT. **University of Utah Hospital**
9:21 LEADERS IN WOMEN’S HEALTH: 2020 PROGRESS REPORT ON ADVANCING WOMEN’S HEALTH AND LEADERSHIP.
JE Maughan, CN Bairey Merz, M Jenkins, JG Regensteiner, W Klein, M Carnes and M Gulati, Los Angeles, CA; Lubbock, TX; Aurora, CO; Richmond, VA; Madison, WI; Phoenix, AZ. Cedars Sinai Heart Institute

9:25 A GLOBAL SURVEY OF PATIENT AND CAREGIVER EXPERIENCES THROUGHOUT CARE FOR DEVELOPMENTAL DYSPLASIA OF THE HIP.
M Gibbard, I Zivkovic, B Jivraj, E Schaeffer, JM Robillard, I Knowledge Transition Advisory Board and K Mulpuri, Vancouver, BC, Canada. BC Children's Hospital Research Institute

9:29 IMPACT OF LABORATORY TEST COST AND BLOOD VOLUME EDUCATION ON RESIDENT TEST ORDERING HABITS.
N Banyi and J Simons, Vancouver, BC, Canada. University of British Columbia (WSMRF)

9:33 AUDIT OF MEDICATION RECONCILIATION FORMS.
G Peck, K Afshar and D Courtemanche, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine

9:37 QUESTION AND ANSWERS

10:00 am – 10:10 am BREAK

Morphogenesis and Malformations
Room 3
Alan Rope, Presiding

9:05 SCHIZENCEPHALY IN COLLAGEN TYPE IV VASCULOPATHIES: THE VASCULAR HYPOTHESIS AND IMPLICATIONS FOR MANAGEMENT.
M Penon Portmann, J Chang and J Shieh, San Francisco, CA. UCSF (Mead Johnson Merit Award Morphogenesis and Malformations)

9:09 INVESTIGATION OF ITGAM ON FRACTURE DEVELOPMENT AND VERTEBRAL MORPHOLOGY IN ZEBRAFISH.
T Loose, CJ Watson, RY Kwon and Y Hsu, Laramie, WY; Seattle, WA; Boston, MA. University of Washington School of Medicine (WSMRF)
9:13  CHARACTERIZATION OF PATTERNED LIMB DEVELOPMENT: REGULATION OF THE FGF-SHH RECIPROCAL LOOP
J Amoah, Loma Linda, CA. Loma Linda University.

J Chenbhanich and J Shieh, San Francisco, CA. University of San Francisco

9:21  A NOVEL PANCREATIC PHENOTYPE IN A CHILD WITH WDR19-RELATED CILIOPATHY.
MN Keyser, LM Bird, J Beauchamp and M Huang, San Diego, CA; La Jolla, CA. University of California San Diego

9:25  5TH DIGIT NAIL HYPOPLASIA IN TRISOMY 9P.
A Renck, D Stevenson and M Manning, Stanford, CA. Stanford University School of Medicine

9:29  A CASE OF NON-FINNISH MULIBREY NANISM.
ED Novatcheva, MN Lau, K Tygart, M Wright, N Shareef and LM Bird, La Jolla, CA; San Diego, CA. University of California San Diego

9:33  THE ROLE OF THE SOX11 TRANSCRIPTION FACTOR IN REGULATING GROWTH DIFFERENTIATION FACTOR-5 DURING JOINT FORMATION.
NA Sandoval, R Damoah, A Cooper, C Pira and K Oberg, Loma Linda, CA. Loma Linda University

9:37  QUESTION AND ANSWERS

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10:00 am – 10:10 am BREAK

Neonatology General I
Room 4
Henry Lee, Presiding

9:05  DO BILIRUBIN/ALBUMIN (B/A) RATIOS CORRELATE WITH UNBOUND BILIRUBIN LEVELS IN PRETERM INFANTS?
S Abe, K Fujioka, RJ Wong and K Iijima, Kobe, Japan; Stanford, CA. Kobe University Graduate School of Medicine (Mead Johnson Merit Award Neonatology General) (WSPR)

9:09  INCREASING INCIDENCE OF ASTHMA IN CHILDREN WITH PRENATAL
OPIOID EXPOSURE.
I Cervantes, S Shrestha, S Ruyak and J Maxwell, Rio Rancho, NM; Boston, MA. University of New Mexico

9:13 PERSISTENT BACTERIAL VAGINOSIS AND RISK FOR SPONTANEOUS PRETERM BIRTH.
YJ Blumenfeld, I Maric, DK Stevenson and GM Shaw, Stanford, CA. Stanford University School of Medicine

9:17 EVALUATING VARIATIONS IN NEONATAL INTENSIVE CARE: LONGITUDINAL, POPULATION-BASED TRENDS IN CLINICAL MANAGEMENT AND CARE OF NEWBORNS IN CALIFORNIA.
EM Pang, J Liu, T Lu and H Lee, Palo Alto, CA. Stanford University School of Medicine

9:21 ACCURACY OF TRANSCUTANEOUS CO2 MONITORING IN NEWBORNS UNDERGOING THERAPEUTIC HYPOTHERMIA.
P Garlapati, R Phan, S Lakshminrusimha and P Vali, Rancho Cordova, CA; Davis, CA. University of California Davis

9:25 SEVERE SMALL-FOR-GESTATIONAL-AGE INFANTS ARE EXPOSED TO INCREASED OXIDATIVE STRESS CONDITION.
M Ashina, K Fujioka and K Iijima, Kobe, Japan. Kobe University Graduate School of Medicine (WSPR)

9:29 INCIDENCE OF HYPOSPADIAS IN SEVERE SMALL-FOR-GESTATIONAL-AGE ASIAN INFANTS: A MULTICANTER POPULATION STUDY.
M Ashina, K Fujioka, S Yoshimoto, T Ioroi and K Iijima, Kobe, Japan; Himeji, Japan. Kobe University Graduate School of Medicine (WSPR)

9:33 NEONATAL RESUSCITATION IN THE EMERGENCY ROOM: TESTING KNOWLEDGE AND CONFIDENCE OF RESIDENTS.
S Liu, LE Yaeger, E Sander, FB Wertheimer, R Ramanathan and M Biniwale, Los Angeles, CA. LAC USC Medical Center

9:37 QUESTION AND ANSWERS

10:00 am – 10:10 am BREAK
Adolescent Medicine and Behavior Development I ..............................................Room 1
Immunology and Rheumatology .................................................................Room 2
Infectious Diseases I .................................................................................Room 3
Neonatology General II .............................................................................Room 4

Adolescent Medicine and Behavior Development I
Room 1
Jessie Maxwell, Presiding

10:10 MATERNAL MENTAL HEALTH AND POSTPARTUM DEPRESSION IN THE COVID-19 PANDEMIC.
M Waschmann, K Rosen, L Gievers, S Khaki, A Laird and A Hildebrand, Portland, OR. Oregon Health and Science University

10:14 PARENTAL INVOLVEMENT IN CHILDREN'S EATING BEHAVIORS FOR HEALTHY BMI.
D Jhang, BM Rodriguez, R Guest and M Baum, Loma Linda, CA. Loma Linda University School of Medicine

10:18 BEHAVIOR CHANGE IN YOUTH BASED ON TYPE OF FAMILIAL LOSS.
JL Carlson, M Castella-Chin, D Jhang, C Irani and M Baum, Loma Linda, CA. Loma Linda University

10:22 WHAT ARE PARENTS READING ABOUT THE SUNSCREEN CONTROVERSY?
J Shiosaki and L Yamamoto, Honolulu, HI. University of Hawai‘i at Manoa

10:26 OUTCOMES OF INITIAL CONSERVATIVE TREATMENT IN ADOLESCENT PATIENTS WITH STABLE OSTEOCHONDROSIS DISSECCANS OF THE ELBOW.
B Sandridge, D Howell and JC Albright, Aurora, CO. Children's Hospital Colorado

10:30 DISRUPTIVE BEHAVIORS AMONG CHILDREN AND TEENS WHO
EXPERIENCED EITHER A TRAUMATIC/UNEXPECTED OR NATURAL LOSS.  
D Jhang, M Castella-Chin, JL Carlson and M Baum, Loma Linda, CA. Loma Linda University School of Medicine  
Abstract 69

10:34 TEAM NEMO CONSULT SERVICE: EXTENDING THE IMPLEMENTATION OF EARLY DIAGNOSIS AND INTERVENTION FOR CEREBRAL PALSY PRIOR TO DISCHARGE FROM THE NICU.  
S Iyer, K Jiang, S Espinosa and K Kesavan, Agoura Hills, CA; Los Angeles, CA. University of California Los Angeles  
Abstract 70

10:38 ADDRESSING THE LONELINESS EPIDEMIC: THE IMPACT OF LEARNING COMMUNITIES ON MEDICAL STUDENTS’ SENSE OF CONNECTION AND BELONGING.  
HJ Chi, UE Oyoyo and A Hayton, Loma Linda, CA. Loma Linda University School of Medicine  
Abstract 71

10:42 QUESTION AND ANSWERS

Immunology and Rheumatology
Room 2  
Sonam Kiwalkar and Kevin Deane, Presiding

10:10 CLINICAL CHARACTERISTICS OF LATE-ONSET SPONDYLOARTHRITIDES.  
KY Anishchenko, E Cheng and L Caplan, Aurora, CO. University of Colorado Denver School of Medicine Rocky Mountain Regional VA Medical Center  
Abstract 72

10:14 NOVEL CORONA VIRUS PANDEMIC- 2019 AND PATIENT EXPERIENCE COMPARING TELEMEDICINE WITH CONVENTIONAL CLINIC VISIT IN PATIENTS WITH JUVENILE IDIOAPHTIC ARTHRITIS AND CHILDHOOD SYSTEMIC LUPUS ERYTHEMATOSUS.  
T Gross and S Sukumaran, Madera, CA. Valley Children's Hospital (WAFMR Subspecialty Award)  
Abstract 73

10:18 PATIENT EXPERIENCE WITH TELEHEALTH IN A PEDIATRIC RHEUMATOLOGY CLINIC DURING THE NOVEL CORONAVIRUS PANDEMIC 2019.  
Y Moufarrej, D Singh, R Patel and S Sukumaran, Madera, CA. Valley Children's Hospital  
Abstract 74

10:22 AN INTERESTING CASE OF STATIN INDUCED AUTOIMMUNE MYOPATHY.  
M Nemati and M Srai, French Camp, CA. San Joaquin General Hospital  
Abstract 75
10:26 PLATELET/LYMPHOCYTE RATIO AS A POTENTIAL BIOMARKER FOR DISEASE ACTIVITY IN ANKYLOSING SPONDYLITIS.
EJ Kim, R Sen, E Manning, E Anderson, K Maier, E Cheng and L Caplan, Aurora, CO. University of Colorado Denver School of Medicine (WSMRF)

Abstract 76

10:30 USE OF ANAKINRA FOR CORONAVIRUS DISEASE 2019 ASSOCIATED MULTISYSTEM INFLAMMATORY SYNDROME IN CHILDREN.
KS Jin and S Sukumaran, Madera, CA. Valley Children's Healthcare

Abstract 77

10:34 PROLIFERATION AND DIFFERENTIATION POTENTIALS OF CLONAL HUMAN ARTICULAR CARTILAGE PROGENITOR CELLS.
LC Snyder, P Lam, K Weekes, A Elhance, B Parkway and B Johnstone, Portland, OR. Oregon Health & Science University School of Medicine

Abstract 78

10:38 VALIDATING A SCORING SYSTEM FOR IMMUNOGLOBULIN UNRESPONSIVENESS IN HIGH RISK KAWASAKI DISEASE.
S Nayak, A Florea, S Sin and M Soneji, Loma Linda, CA. Loma Linda University Adventist Health Sciences Center

Abstract 79

10:42 QUESTION AND ANSWERS

Infectious Diseases I
Room 3
Fred Buckner, Presiding

10:10 INCREASED SUSCEPTIBILITY TO INFECTIOUS DISEASES DUE TO MEASLES-INDUCED IMMUNOSUPPRESSION: A SYSTEMATIC REVIEW.
P Natcher and J Mosser, Anchorage, AK; Seattle, WA. University of Washington School of Medicine

Abstract 80

10:14 ASSESSING ONLINE CONTENT ON TDAP VACCINATION IN PREGNANCY USING INSTAGRAM & FACEBOOK.
S Feng, T Le, K Lee, J Matacotta and AL Nelson, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 81

10:18 EPIDEMIOLOGY OF PEDIATRIC OSTEOARTICULAR INFECTIONS IN THE UNITED STATES.
K Disch and W Dehority, Albuquerque, NM. University of New Mexico (WSPR)

Abstract 82

10:26 RISE IN SERUM MAGNESIUM LEVELS IN HOSPITALIZED PATIENTS INFECTED WITH COVID-19.
R Sharma, A Heidari, R Johnson and G Petersen, Bakersfield, CA. UCLA-Kern Medical Abstract 84

10:30 CAROTID ARTERY THROMBOEMBOLISM IN THE SETTING OF SARS-COV-2 POSITIVE HYPERCOAGULABILITY.
C Spates, A Tran, T Schainker, F Espinoza and H Huth, Oak Park, IL. West Suburban Medical Center Abstract 85

10:34 PROTECTING NEWBORNS FROM PERTUSSIS: WHAT ONLINE PROFESSIONAL WEBSITES SAY ABOUT TDAP.
K Lee, S Feng, T Le, J Matacotta and AL Nelson, Pomona, CA. Western University of Health Sciences Abstract 86

10:38 A NOVEL COMPOUND WITH ANTIMICROBIAL ACTIVITY AGAINST STAPHYLOCOCCUS AUREUS.
N Amin, D Vosburg and H Szurmant, La Jolla, CA; Claremont, CA. Western University of Health Sciences Abstract 87

10:42 QUESTION AND ANSWERS

Neonatology General II
Room 4
Jane Stremming, Presiding

10:10 OPTIMIZING CHEST COMPRESSIONS TARGETING GAS EXCHANGE IN NEONATAL CARDIAC ARREST.
V Agrawal, S Gugino, C Koenigsknecht, J Helman, M Rawat, J Nair, B Mathew, S Berkelhamer, D Sankaran, P Rivera-Hernandez, S Mani, S Lakshminrusimha and P Chandraskharan, Buffalo, NY; Loma Linda, CA; Davis, CA. Loma Linda University Adventist Health Sciences Center University at Buffalo Abstract 88

10:14 COMPARISON OF PROCALCITONIN AND HIGH SENSITIVITY C-REACTIVE PROTEIN AS SCREENING TEST FOR LATE ONSET SEPSIS.
A Vachhani, A Chambliss, M Durand, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine of USC Abstract 89

10:18 EFFECTS OF POSTNATAL STEROIDS ON TOTAL BRAIN VOLUME IN
PRETERM INFANTS
JJ Keel, LK Lee, WSurento, MShiroishi, NJahanshad, Ramanathan and RCayabyab, Los Angeles, CA; Fontana, CA. LAC+USC

Abstract 90

10:22 VIRTUAL FAMILY CENTERED ROUNDS IN THE NEONATAL INTENSIVE CARE UNIT: A PILOT STUDY.
J Ranu, KHoffman, HSauers-Ford, JWilliams and JL Rosenthal, Davis, CA. University of California Davis

Abstract 91

10:26 QUESTION AND ANSWERS

10:35 Abbott Nutrition Neonatology General State-of-the-Art Speaker
OXYGEN IN THE NICU – FRIEND OR FOE?
Satyan Lakshminrusimha, UC Davis

CONCURRENT SESSIONS
Friday, January 29, 2021
11:05 AM – 12:00 PM
Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Adolescent Medicine and Behavior Development II .........................................Room 1
Endocrinology and Metabolism I.................................................................Room 2
Healthcare Research III - Machine.............................................................Room 3
Neonatology Pulmonary.................................................................................Room 4

Adolescent Medicine and Behavior Development II
Room 1
Walter Dehority, Presiding

11:05 EVALUATING MIDDLE SCHOOL STUDENTS' UNDERSTANDING OF TOPICS PERTINENT TO, AND EMOTIONAL OUTLOOK ON THE COVID-19 PANDEMIC.
BI Stepanyuk, EC Cornish, M Overbeck and M Abdel-Maksoud, Aurora, CO; Denver, CO. University of Colorado Denver School of Medicine (Mead Johnson Merit Award Adolescent Medicine and General Pediatrics)

Abstract 92

11:09 REDESIGNING THE DOOR REDUCES THE POTENTIAL FOR FINGER INJURIES IN CHILDREN.
11:13 WHAT'S THE BEEF? EMPOWERING YOUTH TO ADDRESS BULLYING THROUGH ART.
P Xiong, L Rodriguez, A Avila, E Gastelum and R Kinman, Fresno, CA. University of California Davis (WSMRF)

11:17 WALKABILITY OF SAN BERNARDINO COUNTY'S ELEMENTARY SCHOOLS IN RELATION TO SCHOOL DISTRICT SIZES.
R Guest and M Baum, Loma Linda, CA. Loma Linda University School of Medicine

11:21 JUST-IN-TIME TRAINING FOR VIDEO LARYNGOSCOPY IN PEDIATRIC INTUBATIONS.
E Lum, S Sommer-Candelario, S De Los Santos, K Aeby, S Choi and J Lee-Jayaram, Honolulu, HI. University of Hawaii at Manoa

11:25 THE EFFECT OF PARENTAL INCOME ON CHILDREN'S BMI.
BM Rodriguez, D Jhang, R Guest, C Irani and M Baum, Loma Linda, CA. Loma Linda University

11:29 DRUG USE AND THE DESIRE TO QUIT AMONG YOUTHS EXPERIENCING UNSTABLE HOUSING.
JL Carlson, M Castella-Chin, BM Rodriguez, C Irani and M Baum, Loma Linda, CA. Loma Linda University

11:37 QUESTION AND ANSWERS

Endocrinology and Metabolism I
Room 2
Jacob J. Stuppy, Presiding

11:05 DIABULIMIA: THE HIDDEN EATING DISORDER.
A Khine and R Kinman, Fresno, CA. UCSF-Fresno

11:09 RETROSPECTIVE ANALYSIS OF TOTAL PANCREATECTOMY WITH ISLET AUTO TRANSPLANTATION OUTCOMES IN PEDIATRIC PATIENTS WITH CHRONIC PANCREATEITIS.
NJ Khatter, JA Mark, G Forlenza and TM Triolo, Auburn Hills, MI; Aurora, CO; Denver, CO. University of Colorado Denver School of Medicine
11:13 HYPERCALCEMIA HERALDS POOR OUTCOMES IN MULTIPLE MYELOMA.
K Gonzales, MR Burge, LC Sanchez and E Choi, Albuquerque, NM. University of New Mexico Health Sciences Center

11:17 IMPAIRED DIETARY DECISION-MAKING IN YOUTH WITH CONGENITAL ADRENAL HYPERPLASIA.
LN Overholtzer, S Luo, S Lim, E Kim, N Fraga, M Herting, VK Tanawattanacharoen, M Geffner and MS Kim, Los Angeles, CA; Kansas City, MO. Children's Hospital Los Angeles University of Southern California (WAFMR)

11:21 ANALYSIS OF ENIGMA GENE-SIGNALING PATHWAYS IN THYROID CANCER.
R Niihara, N Churdsuwanrak, K Rood, C Yamauchi, K Wright, S Adil, S Mirshahidi, M Perez, A Simental, A Firek and S Khan, Loma Linda, CA. Loma Linda University

11:25 ONE MONTH OF SUPPLEMENTAL TESTOSTERONE DOES NOT SIGNIFICANTLY CHANGE THE METABOLOME IN TRANSGENDER MALES.
J Lo, K Alexander, A D’Alessandro, T Heap, S Staggs, N Nokoff and M Cree-Green, Aurora, CO. University of Colorado Anschutz (WSMRF)

11:29 INTERVENTIONS TO ADDRESS HEALTH DISPARITIES IN MANAGEMENT OF DIABETIC RETINOPATHY AMONG AFRICAN AMERICANS IN THE UNITED STATES (US).
S Marquina, S Afzal, R Chava, A Cheong, I Dastgheib, J Hockman, N Lingineni and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)

11:33 11-OXYGENATED ANDROGEN METABOLITE CONCENTRATIONS ARE AFFECTED BY PUBERTAL PROGRESSION AND OBESITY.
E Breslow, A Taylor, C Severn, CL Chan, L Pyle, M Kelsey and M Cree-Green, Aurora, CO. U of Colorado Anschutz

11:37 QUESTION AND ANSWERS
11:05 DEVELOPMENT AND EVALUATION OF A VOLUMETRIC ASSESSMENT TOOL USING AN IOS-BASED APP FOR THREE-DIMENSIONAL CLINICAL MEASUREMENTS.
B Andreasen and S Gupta, Redlands, CA. Loma Linda University School of Medicine
Abstract 107

11:09 DIAGNOSING MUSCULOSKELETAL DISEASES USING ARTIFICIAL INTELLIGENCE AND ENSEMBLE MACHINE LEARNING.
JH Miao and KH Miao, Stony Brook, NY; Ithaca, NY; New York, NY. Stony Brook University Renaissance School of Medicine Cornell University
Abstract 108

11:13 PAIN DETECTION AND DIAGNOSIS USING MACHINE LEARNING.
KH Miao and JH Miao, New York, NY; Ithaca, NY; Stony Brook, NY. New York University School of Medicine Cornell University
Abstract 109

11:17 TELEMEDICINE SOLUTIONS TO IMPROVE HIV PRE-EXPOSURE PROPHYLAXIS ACCESS IN FREMONT COUNTY, WY.
HJ True, Laramie, WY. University of Washington School of Medicine
Abstract 110

11:21 EFFICACY OF A HIGH SCHOOL ECOSYSTEM PROGRAM ON UNDERREPRESENTED MINORITY STUDENT ATTAINMENT OF HEALTH PROFESSIONAL CAREERS.
E Williams and N Hinds, Los Angeles, CA. University of Washington School of Medicine
Abstract 111

11:25 EVALUATING ETHICAL CONCERNS WITH MACHINE LEARNING TO GUIDE ADVANCE CARE PLANNING.
D Caglierio, N Deutch, N Shah and D Char, Bethesda, MD; Toronto, ON, Canada; Stanford, CA. Stanford University (WSPR)
Abstract 112

11:29 HUMAN-CENTERED DESIGN IN RESPONSE TO A PANDEMIC: A HEALTH SYSTEM AND INNOVATION CENTER COLLABORATION.
S Simister, SC Wasden, B McRae, S Jayaraman and B Fassl, Salt Lake City, UT. The University of Utah School of Medicine
Abstract 113

11:33 CONTENT ANALYSIS OF FREQUENCY OF INFORMATION ABOUT DEVELOPMENTAL DYSPLASIA OF THE HIP ON TWITTER.
N Kodali, BV Sidhu, E Schaeffer, J So, E Habib and K Mulpuri, Vancouver, BC, Canada. BC Children's Hospital
11:05 ACETAMINOPHEN-INDUCED NEONATAL LUNG INJURY AND DEVELOPMENTALLY REGULATED CYP2E1 EXPRESSION.
E Dobrinskikh, T Sizemore, L Sherlock, D Balasubramaniyan, R de Dios, L Zheng and CJ Wright, Aurora, CO. University of Colorado (Mead Johnson Merit Award Neonatology Pulmonary) (WSPR)

11:09 IMPAIRED INFANT LUNG GROWTH AND FUNCTION IN MICE WITH GENETIC DELETION OF ENDOTHELIAL CELL-SPECIFIC VITAMIN D RECEPTOR EXPRESSION.
E Bye, T Gonzalez, G Seedorf, E McGinn, B Smith, J Fleet, SH Abman and E Mandell, Aurora, CO; Austin, TX. University of Colorado Denver School of Medicine

11:13 THE EFFECT OF SEROTONIN DEPLETION ON HYPOXIA INDUCED BRONCHIPULMONARY DYSPLASIA AND PULMONARY HYPERTENSION IN MICE.
D Roberts, L Sherlock, J Posey, J Maltzahn, E Nozik-Grayck and C Delaney, Aurora, CO. University of Colorado Anschutz Medical Campus

11:17 ANGIPOIETIN LIKE PROTEIN-3 EXPRESSION IN NEONATAL LUNG AND ITS ROLE IN EXPERIMENTAL BPD.
M Sahni, K Sandhu, P Das, V Prahaladan, D Shah and V Bhandari, Boulder City, NV; Las Vegas, NV; Camden, NJ; Philadelphia, PA. Pediatrrix Medical Group, Sunrise Children’s Hospital University of Nevada Las Vegas

11:21 PROSTACYCLIN ANALOG TREPROSTINIL ENHANCES NEONATAL RAT LUNG ENDOTHELIAL CELL GROWTH AND ANGIOGENESIS IN VITRO.
KG Thayapran, G Seedorf and SH Abman, Aurora, CO. University of Colorado School of Medicine

11:25 IUGR REDUCES PHOSPHOLIPID CONTAINING DHA IN THE DEVELOPING RAT LUNG.
A Cohen, H Wang, J Cox, A Maschek and L Joss-Moore, Salt Lake City, UT. University of Utah Health

Abstract 114

11:37 QUESTION AND ANSWERS

Neonatology Pulmonary
Room 4
Clyde Wright, Presiding
11:29 BLOOD TRANSFUSION IN PRETERM INFANTS AND THE SUBSEQUENT DEVELOPMENT OF BRONCHOPULMONARY DYSPLASIA.
T Lum, J Sugar, R Yim, S Fertel, A Morales and A Katheria, Pomona, CA; San Diego, CA. Western University of Health Sciences Sharp Mary Birch Hospital for Women and Newborns (WSMRF)

11:33 ACTIVE VITAMIN D IS SAFE FOR POSTNATAL SUPPLEMENTATION IN NEWBORN RATS.
E McGinn, E Bye, T Gonzalez, G Seedorf, B Smith, J Fleet, SH Abman and E Mandell, Denver, CO; Austin, TX. University of Colorado

11:37 QUESTION AND ANSWERS

WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH
PLENARY AWARD SESSION AND PRESENTATIONS
Room 1

Everardo Cobos and Josephine Enciso, Presiding

1:00 WELCOME and INTRODUCTIONS

1:10 AFMR HENRY CHRISTIAN AWARD
SMOOTH MUSCLE CELL PIEZO1 IN SMALL BOWEL CONTRACTILITY AND GROWTH.
G Bautista, Y Du, N Martin and M Martin, Los Angeles, CA; Northridge, CA. University of California Los Angeles (WAFMR)

1:25 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD
LIPID EMULSION WITH FISH OIL AND EXTREMELY PREMATURE INFANTS: CLINICAL OUTCOMES.
LJ Lee, E Kim, T Romero and KL Calkins, Los Angeles, CA. University of California Los Angeles David Geffen School of Medicine (WAFMR)

1:40 WSPR ABBOTT NUTRITION DAVID W. SMITH AWARD
INVESTIGATING FETAL BODY COMPOSITION USING MAGNETIC RESONANCE IMAGING.
K Strobel, S Kafali, S Shih, HH Wu and KL Calkins, Los Angeles, CA. University of
1:55  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
INVESTIGATING CARDIOMETABOLIC HEALTH AND
NEURODEVELOPMENT IN XXY/KLINEFELTER SYNDROME.
Shanlee Davis, University of Colorado

CONCURRENT SESSIONS
Friday, January 29, 2021
2:20 PM – 3:15 PM

Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Adolescent Medicine and Behavior Development III…………………………Room 1
Hematology and Oncology.........................................................................Room 2
Neonatology General III.............................................................................Room 3
Surgery I..................................................................................................Room 4

Adolescent Medicine and Behavior Development III
Room 1
Allison G. Dempsey, Presiding

2:20  USING MYHEARTSMAP TO MEASURE THE ASSOCIATION BETWEEN
PSYCHOSOCIAL FACTORS AND PERSISTENT POST-CONCUSSIVE
SYMPTOMS IN CHILDREN.
S Sparanese, KO Yeates, MH Beauchamp, R Zemek, W Craig and Q Doan, Vancouver,
BC, Canada; Ottawa, Canada; Montreal, Canada; Edmonton, Canada; Calgary, Canada.
The University of British Columbia Faculty of Medicine

2:24  QUALITY ASSESSMENT OF YOUTUBE AS AN INFORMATION SOURCE FOR
PUBLIC EDUCATION RELATED TO NATIONAL STANDARDS FOR
CONCUSSION ASSESSMENT IN ATHLETIC YOUTHS.
B Stothers and A Macnab, Vancouver, BC, Canada. The University of British Columbia

2:28  DEVELOPING TOOLS TO IMPROVE PARENT HEALTH LITERACY IN
NEPHROTIC SYNDROME.
EK Chan and J Usprech, Vancouver, BC, Canada. The University of British Columbia
(WSMRF)

Abstracts 125, 126, 127, 128
RACIAL DISPARITIES IN PAIN MANAGEMENT OF CHILDREN IN THE EMERGENCY DEPARTMENT (ED).

HV Dayag, C Diyakonov, I Kane Gomez, A Martinez, H Samiullah, N Smyth and B Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)

PATIENT- AND PROVIDER-LEVEL PREDICTORS OF INAPPROPRIATE IMAGING IN PEDIATRIC UROLOGY REFERRALS.

A Nguyen, MB Iyer and K Kieran, Seattle, WA. University of Washington School of Medicine Seattle Children's Hospital

URINARY TRACT INFECTIONS AND ASSOCIATED RISK FACTORS IN CHILDREN WITH PRENATAL HYDRONEPHROSIS.

C McKinney, C Ware, M Reimer, M Keheila, A Amasyali, D Chamberlin, C Chen, M Chau and J Chamberlin, Loma Linda, CA. Loma Linda University

VARIABLE DRUG AND ALCOHOL USE AMONG YOUTHS EXPERIENCING UNSTABLE HOUSING AND VARIABLE PARENTAL SITUATIONS.

JL Carlson, BM Rodriguez, M Castella-Chin, C Irani and M Baum, Loma Linda, CA. Loma Linda University

ARE HOUSING INSTABLE LGBTQ YOUTH AT GREATER RISK FOR ABUSE IN SAN BERNARDINO?

M Castella-Chin, JL Carlson, BM Rodriguez, C Irani and M Baum, Loma Linda, CA. Loma Linda University

QUESTIONS AND ANSWERS

EGFR, ERBB2 AND ERBB4 FUSIONS ARE RECURRENT ALTERATIONS IN MULTIPLE CANCER TYPES.

L Schubert and RC Doebele, Aurora, CO. University of Colorado School of Medicine

CDK8-MEDIATOR COMPLEX PLAYS POSITIVE TRANSCRIPTIONAL ROLE IN MYC-AMPLIFIED MEDULLOBLASTOMA.

C Ritz, K Madhavan, S Venkataraman and R Vibhakar, Aurora, CO. University of Colorado (WAFMR Subspecialty Award)

USE OF NATURAL PRODUCTS AND OVER THE COUNTER SUPPLEMENTS
IN BREAST CANCER.
M Hauer, A Rossi and J Funk, Tucson, AZ. The University of Arizona College of Medicine Tucson

ASSOCIATIONS BETWEEN COFFEE OR TEA CONSUMPTION AND RISK OF UPPER AERODIGESTIVE TRACT CANCERS.
CJ Yang and M Kawasumi, Seattle, WA. University of Washington

CAFFEINATED OR DECAFFEINATED COFFEE CONSUMPTION AND RISK OF CANCER INCIDENCE: A META-ANALYSIS OF PROSPECTIVE COHORT STUDIES.
TN Nguyen, D Eng and M Kawasumi, Seattle, WA. University of Washington School of Medicine

HISTONE DEMETHYLASE KDM4B: A NOVEL EPIGENETIC TARGET IN ATYPICAL TERATOID/RHABDOID TUMOR (ATRT).
EJ Wang, I Alimova, S Venkataraman and R Vibhakar, Aurora, CO. University of Colorado Denver School of Medicine

S Lim, J Taylor, K Patterson, SY Starkey, K Gray and C Lanz, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine

QUALITY OF LIFE AND COMORBID MENTAL HEALTH CONDITIONS IN PATIENTS WITH CUTANEOUS T-CELL LYMPHOMA.
T Olmstead, M Shinohara and D Hippe, Seattle, WA. University of Washington School of Medicine

QUESTIONS AND ANSWERS
Neonatology General III
Room 3
Alison Chu, Presiding

PREDICTORS OF VENOUS THROMBOEMBOLISM IN NEONATES: A PEDIATRIC HEALTH INFORMATION SYSTEM STUDY.
MC Easterlin, Y Li, L Yieh, C Gong, P Friedlich and A Lakshmanan, Los Angeles, CA. LAC+USC Medical Center

SOCIODEMOGRAPHIC FACTORS ASSOCIATED WITH ATTENDANCE AT
HIGH RISK INFANT FOLLOW-UP CLINIC AMONG NEONATES WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY.
A Cera, JG Anderson and P Joe, Oakland, CA. UCSF Benioff Children's Hospital Oakland

Abstract 143

2:28 THE IMPACT OF LOW HEMATOCRIT AT BIRTH ON VERY LOW BIRTH WEIGHT INFANTS.
A Hisey, S Sakhamuru, T Tagliaferro, L Barton, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine LAC + USC Medical Center (WSMRF)

Abstract 144

2:32 NEURODEVELOPMENTAL OUTCOME AT 18 MONTHS OF CORRECTED AGE FOR LATE PRETERM INFANTS BORN AT 34 AND 35 GESTATIONAL WEEKS.
R Nakasone, K Fujioka and K Iijima, Kobe, Japan. Kobe University Graduate School of Medicine (WSPR)

Abstract 145

2:36 QUESTIONS AND ANSWERS

2:45 Stanford University Department of Pediatrics Philip Sunshine State-of-the-Art Speaker NEONATAL ANEMIA AND IRON MANAGEMENT IN THE NEWBORN.
Sunny Juul, University of Washington

Surgery I
Room 4
Subhas Gupta and Lee Wong, Presiding

2:20 SIMULATION OF POST-PROCEDURAL COMPRESSION ON AUTOLOGOUS FAT GRAFTS: A PILOT STUDY.
H Peterson, A Park and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR Subspecialty Award) (WSMRF)

Abstract 146

2:24 FAT GRAFT HARVEST ERGONOMICS: CHARACTERIZATION OF FORCE BASED ON ANATOMICAL LOCATION AND CANNULA SIZE.
A Park, H Peterson and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 147

2:28 A PILOT STUDY TO EVALUATE A SIMPLE SHORT-TERM STORAGE METHOD FOR PRESERVATION OF HARVESTED LIPOASPIRATE.
A Park, H Peterson and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 148

2:32 A CLUSTER OF COMP, SFRP4, LEF1 AND PDGFRB GENES PREDICTS WORSE SURVIVAL FOR COLON CANCER PATIENTS ESPECIALLY IN THE

28
YOUNG.
E Wusterbarth, P Omesiete, A Cruz, J Jandova and V Nfonsam, Tucson, AZ. The University of Arizona College of Medicine Tucson

Abstract 149

2:36 APPLYING PROCESS IMPROVEMENT TO AUTOLOGOUS FAT TRANSFER: RANKING QUALITY OF EVIDENCE.
H Peterson, A Park and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 150

2:40 APPLYING PROCESS IMPROVEMENT METHODOLOGY TO AUTOLOGOUS FAT TRANSFER: A GUIDE TO FUTURE RESEARCH.
H Peterson, A Park and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 151

2:44 IDEAL CANNULA CHARACTERISTICS FOR INCREASED ADIPOSE CELL VIABILITY IN AUTOLOGOUS FAT GRAFTING MEASURED WITH ALAMAR BLUE ASSAY.
A Park, H Peterson and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 152

2:48 EXAMINING THE DISEASE BURDEN OF THE DIFFUSE SCLEROSING VARIANT OF PAPILLARY THYROID CARCINOMA, A RETROSPECTIVE REVIEW.
C Brady, E Rudzinski, J Dahl, S Manning and D Hawkins, Seattle, WA. University of Washington (WSMRF)

Abstract 153

2:52 QUESTIONS AND ANSWERS
CONCURRENT SESSIONS
Friday, January 29, 2021
3:15 PM – 4:10 PM
Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Genetics II .................................................................Room 1
Neonatology General IV ..................................................Room 2
Pulmonary and Critical Care .............................................Room 3
Surgery II ................................................................Room 4

Genetics II
Room 1
Kristen Wigby, Presiding

3:15 MECP2 MUTATIONS IN TWO MALE PATIENTS AND NATURAL HISTORY OF THE DISEASE.
MK Haanpää, Turku, Finland. Turun yliopisto Laaketieteellinen tiedekunta
Abstract 154

3:19 ATYPICAL PRESENTATION OF IMPRINTING DEFECT ANGELMAN SYNDROME WITH EXPRESSIVE LANGUAGE.
R Punatar, A Egense and SP Shankar, Sacramento, CA. UC Davis
Abstract 155

3:23 A CASE OF FAMILIAL COL4A1 MUTATIONS, AN IMPORTANT DIFFERENTIAL DIAGNOSIS ON NEONATAL PORENCEPHALY.
LT Forero, M del Campo, J Friedman and R Troxell, San Diego, CA; La Jolla, CA.
University of California San Diego
Abstract 156

C Verscaj, B Nightingale and DR Matalon, Stanford, CA. Stanford University
Abstract 157

3:31 QUESTIONS AND ANSWERS

3:40 Abbott Nutrition Morphogenesis and Malformations State-of-the-Art Speaker
ANGELMAN SYNDROME: BEDSIDE, BENCH AND BEYOND.
Lynne Bird, University of California, San Diego Rady Children’s Hospital
3:15 **EFFECT OF BRAIN TEMPERATURE AND INJURY SEVERITY ON APPARENT DIFFUSION COEFFICIENT CHANGES IN NEWBORNS UNDERGOING THERAPEUTIC HYPOThERMIA.**
*C Zenobi*, J Wisnowski, B Tamrazi, S Bluml and T Wu, Los Angeles, CA. *USC/LAC+USC Medical Center*

Abstract 158

3:19 **ASSOCIATION BETWEEN UMBILICAL CORD MANAGEMENT AND 5 MINUTE PERIPHERAL OXYGENATION IN PRETERM INFANTS.**
*S Wong*, R Yim, D Poeltler, W Rich, S Sanjay and A Katheria, Pomona, CA; San Diego, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific Sharp Mary Birch Hospital for Women & Newborns*

Abstract 159

3:23 **HIGHER RATES OF READMISSION FOR PHOTOTHERAPY IN TERM INFANTS EXPOSED TO DELAYED CORD CLAMPING.**
*M Chu*, S Sakhamuru, JJ Keel, L Barton, R Ramanathan and R Cayabyab, Los Angeles, CA. *University of Southern California Keck School of Medicine (WSMRF)*

Abstract 160

3:27 **QUALITY IMPROVEMENT INITIATIVE TO INCREASE THE CONSISTENCY AND EFFECTIVENESS OF IRON SUPPLEMENTATION FOR NICU PATIENTS.**
*TM Bahr*, NR Carr, TR Christensen, J Wilkes, OA Elizabeth, K German, RK Ohls, D Ward and RD Christensen, Salt Lake City, UT; Seattle, WA. *University of Utah*

Abstract 161

3:31 **NEONATAL HYPTENSION AND RELATIONSHIP WITH CEREBRAL SATURATION.**
*KJ McKim*, S Lucafo, S Bhombal, L Bain and VY Chock, Palo Alto, CA; Burlington, MA. *Stanford University School of Medicine (WSPR)*

Abstract 162

3:35 **TRENDS IN GASTROSTOMY TUBE PLACEMENT AND RESOURCE UTILIZATION IN DOWN SYNDROME NEONATES IN THE UNITED STATES, 2006-2017.**
*H Doshi*, S Shukla, S Patel, N Bhatt, F Dapaah-Siakwan and K Donda, Jacksonville, FL; Fort Myers, FL; Tampa, FL; Seattle, WA; Madera, CA. *Golisano Children's Hospital of Southwest Florida*

Abstract 163

3:39 **IMPROVING PLACENTAL TRANSFUSION RATES AT UCSD.**
*M Karmarkar* and E Fernandez, La Jolla, CA. *University of California San Diego (WSPR)*

Abstract 164
3:43 THE EFFECTS OF PARENTAL LEAVE POLICIES ON PEDIATRIC FELLOWS.
N Dyess, B Weikel, J Barker, T Garrington and TA Parker, Aurora, CO. University of Colorado Denver School of Medicine (WSPR)

Abstract 165

3:47 QUESTIONS AND ANSWERS

Pulmonary and Critical Care
Room 3
Vipul Jain and Joshua Solomon, Presiding

3:15 HYPERGLYCEMIA AND HYPOGLYCEMIA CONTRIBUTIONS TO ACUTE RESPIRATORY DISTRESS SYNDROME.
JJ Repine, PV Wilson, ND Elkins and JE Repine, Denver, CO. University of Colorado (WAFMR Subspecialty Award)

Abstract 166

3:19 ASSOCIATION OF SMALL ADULT VENTILATION BAGS WITH RETURN OF SPONTANEOUS CIRCULATION IN OUT OF HOSPITAL CARDIAC ARREST.
BD Snyder, NE Bulger, RG Walker, AJ Latimer, BY Yang, C Maynard, NJ Johnson, T Rea, CR Counts and M Sayre, Anchorage, AK; Redmond, WA; Seattle, WA. University of Washington School of Medicine

Abstract 167

3:23 DIAGNOSTIC UTILITY OF POINT-OF-CARE ULTRASOUND IN THE EVALUATION OF NECROTIZING SOFT TISSUE INFECTIONS.
A Wesley, A Ratesic, R Kelley, S Adhikari and O Rizvi, Tucson, AZ. The University of Arizona College of Medicine Tucson (WSMRF)

Abstract 168

3:27 EMERGENT CRICOTHYROTOMY TRAINING FOR NON-SURGEONS.
C Zagona-Prizio and J Maloney, Aurora, CO. University of Colorado Denver School of Medicine (WAFMR)

Abstract 169

3:31 BARRIERS AND FACILITATORS TO LONGITUDINAL LUNG CANCER SCREENING: A QUALITATIVE STUDY.
AK Holman, EK Kross, K Crothers, AM Cole and M Triplette, Seattle, WA. University of Washington

Abstract 170

3:35 POINT OF CARE ULTRASOUND EVALUATION OF AIRSPACE DISEASE BEFORE AND AFTER PROLONGED SURGERY.
S James, E Gow-Lee, J Hinson, M Martinez, B Austin and D Ramsingh, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 171
EMBOLIZATION OF SUPERIOR MESENTERIC ARTERIOVENOUS FISTULA IDENTIFIED DURING CONSULTATION FOR A TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT PROCEDURE.
A Shinagawa, Z Billah, K Kansagra, K Lam and G Vatakencherry, Reno, NV; Los Angeles, CA. University of Nevada Reno School of Medicine

Abstract 172

TIME-TO-PRESCRIPTION OF TRIKAFTA FOR REMOTE AND LOCAL PEOPLE WITH CYSTIC FIBROSIS.
R Loudonback, K Daratha, KB Daratha and AA Lambert, Spokane, WA. University of Washington School of Medicine

Abstract 173

QUESTIONS AND ANSWERS

Surgery II
Room 4
Subhas Gupta and Lee Wong, Presiding

QUALITY ASSESSMENT OF SURVEYS ADMINISTERED TO PEDIATRIC ORTHOPAEDIC SURGEONS.
C Matthews, A Vasireddi, E Schaeffer and K Mulpuri, Vancouver, BC, Canada. BC Children's Hospital

Abstract 174

FACTORS INFLUENCING FEMALE MEDICAL STUDENTS' DECISIONS TO PURSUE SURGICAL SPECIALTIES: A SYSTEMATIC REVIEW.
E O'Rorke, L Trinh and M Mulcahey, Vancouver, WA; New Orleans, LA. Elson S. Floyd College of Medicine

Abstract 175

ASSOCIATION OF NEURAXIAL ANESTHESIA WITH POSTOPERATIVE OPIOID USE IN PEDIATRIC BURN PATIENTS.
J Chen, P Nguyen and J Liu, Sacramento, CA. University of California Davis (WAFMR)

Abstract 176

PAIN ASSESSMENT FOR OFFICE BASED UROLOGIC PROCEDURES.
L Hunt, R Hahn, D LaTour, S Tamares, B Crawley and D Baldwin, Loma Linda, CA.
Loma Linda Universit

Abstract 177

A CALL TO BRIDGE THE DIVIDE IN BREAST RECONSTRUCTION RESEARCH: A SYSTEMATIC REVIEW.
R Xu, S Yuan, N Almuqaimi, M Elemi and K Isaac, Vancouver, BC, Canada; San Antonio, TX. The University of British Columbia Faculty of Medicine (WSMRF)

Abstract 178

THE IMPACT OF PATIENT, SURGICAL, AND STAFFING FACTORS UPON
PERCUTANEOUS NEPHROLITHOTOMY COST.
J Lee, M Keheila, A Amasyali, N Chen, N Srikureja, J belle and D Baldwin, Loma Linda, CA. Loma Linda University

Abstract 179

3:39 RISK FACTORS FOR HYPOSPADIAS REPAIR.
B Stanyer, G Harianja, M Keheila, D Chamberlin, M Chau, C Chen and J Chamberlin, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 180

3:43 A RETROSPECTIVE STUDY OF RISK FACTORS AND OUTCOMES IN THE SURGICAL MANAGEMENT OF SLIPPED CAPITAL FEMORAL EPIPHYSIS.
W Jin, S Farrell, E Habib, A Sandhu, J Bone, E Schaeffer and K Mulpuri, Vancouver, BC, Canada; South Brisbane, Australia. BC Children's Hospital

Abstract 181

3:47 QUESTIONS AND ANSWERS

CONCURRENT SESSIONS
Friday, January 29, 2021
4:20 PM – 5:15 PM
Sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Gastroenterology .................................................................Room 1
Surgery III .................................................................Room 2

Gastroenterology
Room 1
Lukejohn Day, Presiding

4:20 CLINICAL ASSOCIATIONS WITH MYELOID-DERIVED SUPPRESSOR CELL (MDSC) LEVELS IN HEPATOCELLULAR CARCINOMA (HCC) PATIENTS.
K Franke, L Yu, M Apodaca, R Yeung, W Harris and C Morishima, Seattle, WA. University of Washington

Abstract 182

4:24 THE ROLE OF GUT MICROBIOTA AND DIET IN HEALTH OUTCOME OF COVID-19 PATIENTS WITH COMORBIDITIES.
E Eshaghian, B Singh and M Covasa, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 183
4:28  SYSTEMATIC REVIEW OF RESIDENT DISCREPANCIES IN EMERGENCY ABDOMINAL RADIOLOGY.
M Rupasinghe, T Bui, R Mehta, J Glavis-Bloom, K Tran-Harding and R Houshyar, Orange, CA. University of California Irvine
Abstract 184

4:32  CHARACTERIZING THE MORPHOLOGIC SPECTRUM OF DIVERTICULOSIS AND ASSOCIATING RISK OF DEVELOPING DIVERTICULITIS.
M Levy, LL Strate and RL Kosowicz, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 185

4:36  CONGENITAL NARROWING OF CBD AND PANCREATIC DUCT CAUSING PANCREATITIS IN OTHERWISE HEALTHY 18 Y/O FEMALE.
U Brar, Fresno, CA. Adtalem Global Education Inc
Abstract 186

4:40  DIGITAL CLUBBING AND EOSINOPHILIC ESOPHAGITIS.
J Liu, PC Do and M Haight, Fresno, CA. UCSF Fresno Center for Medical Education and Research Edward and Ann Hildebrand Medical Library
Abstract 187

4:44  BLINDNESS IN A HEALTHY CHILD.
R Gonzalez, C Schmidt, and J Snider, Madera, CA. Valley Children's Healthcare
Abstract 188

4:52  QUESTIONS AND ANSWERS

Surgery III
Room 2
Subhas Gupta and Lee Wong, Presiding

4:20  AN EVALUATION OF THE IMPACT OF 0.05% CHLORHEXIDINE ON THE PREVALENCE OF SURGICAL SITE INFECTIONS IN AESTHETIC BREAST SURGERY.
Y Han, V Lee, NK Srikureja and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 189

4:24  INTRAOPERATIVE MANEUVERS TO OPTIMIZE THE HEALING OF SURGICAL INCISIONS: AN EVIDENCE-BASED REVIEW.
Y Han, V Lee, S Gupta, K McMath, KB Hanson and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 190

4:28  DOES THE NOVEL THULIUM LASER GENERATE MORE HEAT THAN THE CONVENTIONAL HOLMIUM LASER?
NK Srikureja, JD Belle, N Chen, M Keheila, AS Amasyali and D Baldwin, Loma Linda, CA. Loma Linda University

4:32 COMPARISON OF THULIUM FIBER LASER CORE DIAMETERS IN TREATING IN SITU LOWER POLE NEPHROLITHASIS.
N Chen, A Amasyali, N Srikureja, J Lee, JD Belle, M Keheila and D Baldwin, Redlands, CA. Loma Linda University

Abstract 191

4:36 RETROSPECTIVE COHORT ASSESSMENT OF PROKINETIC PROPERTIES OF AZITHROMYCIN ON POSTOPERATIVE ILEUS.
R Ong, I Dorotta, M Eby and R Raval, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 192

4:40 IMPACT OF MONTGOMERY T-TUBES ON TREATMENT OF LARYNGOTRACHEAL STENOSIS AND VOICE OUTCOMES.
R Hahn, D LaTour, P Krishna and B Crawley, Studio City, CA. Loma Linda University School of Medicine

Abstract 193

4:44 SURGICAL DEBRIDEMENT FREQUENCY DURING USE OF NEGATIVE PRESSURE WOUND THERAPY WITH INSTILLATION VERSUS CONTROL: A SYSTEMATIC REVIEW AND META-ANALYSIS.
E O'Rorke, RM Gold and A Gabriel, Vancouver, WA; Loma Linda, CA. Elson S. Floyd College of Medicine

Abstract 194

4:48 INITIAL EXPERIENCE WITH CLOSED INCISION NEGATIVE PRESSURE THERAPY SPECIALTY DRESSING OVER STERNAL RECONSTRUCTION INCISIONS.
C Lee, E O'Rorke and A Gabriel, Vancouver, WA; Loma Linda, CA. Elson S Floyd College of Medicine

Abstract 195

4:52 QUESTIONS AND ANSWERS
WESTERN SOCIETY FOR PEDIATRIC RESEARCH
PLENARY

Saturday, January 30, 2021
8:00 AM – 9:00 AM
Room 1

Josephine Enciso, Presiding

8:00  WSPR STANLEY WRIGHT MEMORIAL LECTURE
HEALTHCARE DISPARITIES RESEARCH AS A WAY TO THE IMPROVE
HEALTHCARE SYSTEM.
*Ricardo Correa, University of Arizona College of Medicine Phoenix*

CONCURRENT SESSIONS

Saturday, January 30, 2021
9:00 AM – 9:55 AM

Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Cardiovascular I……………………………………………………………......Room 1
Neonatology – Perinatal Biology I……………………………...……………..Room 2
Neuroscience II ………………………………………………………………...Room 3
Adolescent Medicine and Behavior Development IV…………………..Room 4

Cardiovascular I
Room 1
*Robert Ross, Presiding*

9:00  CARDIAC SODIUM/CALCIUM EXCHANGER IS NECESSARY FOR NORMAL
ATRIOVENTRICULAR NODE FUNCTION.
*A T Hazan, R Zhang, S Lotteau, T Ribeiro Mesquita, Y Lin, D Gonzalez, N Cuk, KD
Philipson, M Ottolia and JI Goldhaber, Los Angeles, CA. Cedars Sinai Medical Center
(WAFMR Subspecialty Award)*

Abstract 197

9:04  THE VAGRANCIES OF DONOR SELECTION: IS QUALITY THAT
IMPORTANT?
*K Tor, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Omaha, NE; Los
Angeles, CA. Creighton University*

Abstract 198
9:08 4D-FLOW MRI INTRACARDIAC FLOW HEMODYNAMIC PATTERNS CAN PHENOTYPE PULMONARY HYPERTENSION SUBTYPES.
LK Ross, AJ Barker, BS Frank, K Hunter, GJ Morgan, MB Mitchell, BE Fenster, M Schäfer and D Ivy, Denver, CO; Aurora, CO. University of Colorado Denver School of Medicine

Abstract 199

9:12 PHOSPHOLAMBAN AND A-KINASE ANCHORING PROTEIN 6 MODULATION OF CALCIUM CYCLING IN THE HEART.
F Hakem Zadeh, AC Teng, U Kuzmanov, PJ Chambers, AR Tupling and AO Gramolini, Toronto, Canada; Pomona, CA; Waterloo, Canada. University of Toronto Faculty of Medicine Translational Biology and Engineering Program Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 200

9:16 MYOCARDIAL INJURY BUT NOT DYSFUNCTION IDENTIFIES HOSPITALIZED PATIENTS WITH COVID-19 AT HIGH MORTALITY RISK.
ET Vazquez, KB Atsina, A Shulkin, EC Toledo and JE Lopez, Sacramento, CA. UC Davis Health

Abstract 201

9:20 DONOR HEART CORONARY CALCIFICATION: IS IT BAD?
P Hage, N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars-Sinai

Abstract 202

9:24 PROPHYLAXIS FOR CHAGAS DISEASE REACTIVATION: IS IT NECESSARY?
M Oda, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars-Sinai

Abstract 203

9:28 BROMOCRIPTINE IMPROVES CENTRAL AORTIC HEALTH IN ADOLESCENTS WITH TYPE 1 DIABETES.
M Schäfer, K Hunter, JE Reusch, AJ Barker and KJ Nadeau, Aurora, CO. University of Colorado Denver School of Medicine

Abstract 204

9:32 QUESTION AND ANSWER

9:55 AM – 10:05 AM BREAK

Neonatology - Perinatal Biology II
Room 2
Lisa Joss-Moore, Presiding

9:00 IGF-1 INFUSION IN LATE GESTATION FETAL SHEEP DOES NOT INCREASE BETA-CELL REPLICATION AND INHIBITS INSULIN SECRETION.
A White, J Stremming, B Boehmer, S Louey, E Chang, S Jonker, S Wesolowski, LD
9:04 METABOLIC PATTERNS OF INFANTS BORN TO MOTHERS WITH PREECLAMPSIA AND DIABETES SHOW UNDERLYING METABOLIC VULNERABILITY.
J Reiss, A Chang, J Mayo, DK Stevenson, GM Shaw, N Aghaepour and K Sylvester, Stanford, CA. Stanford University School of Medicine (WSPR)

Abstract 206

Cancelled

Abstract 207

9:08 A PROSPECTIVE STUDY OF PLACENTAL IMAGING AND PREGNANCY OUTCOMES IN THE SETTING OF ISCHEMIC PLACENTAL DISEASE AND GESTATIONAL DIABETES.
B Lee, Los Angeles, CA. University of California Los Angeles David Geffen School of Medicine

Abstract 208

9:12 EFFECTS OF AN ORAL PROBIOTIC PREPARATION ON THE VAGINAL MICROBIOME DURING EARLY PREGNANCY.
C Wang, P DeHoff and L Laurent, Irvine, CA. University of California, San Diego

Abstract 209

9:16 MATERNAL ANTENATAL MARIJUANA USE LOWERS THE BIOLOGIC POTENTIAL OF UMBILICAL CORD MESENCHYMAL STEM CELLS.
A Ismail, Y Nicolau, C Uy, F Bany-Mohammed and M Aslam, Irvine, CA. UC Irvine Medical Center

Abstract 210

9:20 ROLE OF ALTERNATIVE SPLICING IN LEFT VS RIGHT VENTRICLE IN NEONATAL MOUSE HEART MATURATION.
Z Mehta, Los Angeles, CA. University of California Los Angeles

Abstract 211

9:24 QUESTION AND ANSWER

9:55 AM – 10:05 AM BREAK
PREHOSPITAL HEMODYNAMIC STATUS AND NEUROLOGIC OUTCOMES FOLLOWING ACUTE TRAUMATIC SPINAL CORD INJURY.

KT Patterson, MM Cook, J Barber, VN O'Reilly-Shah, AH Dagal, C Fong, H Weaver and R Saigal, Seattle, WA. University of Washington School of Medicine

THYROID HORMONE TREATMENT REVEALS PLASTICITY OF GENE EXPRESSION IN CONE PHOTORECEPTORS OF ADULT ZEBRAFISH.

JC Huang, A Farre, A Duncan and D Stenkamp, Bellevue, WA; Moscow, ID. University of Washington School of Medicine University of Idaho

BIOINFORMATIC COMPARISON OF GREY MATTER: CONTROL TISSUE V MULTIPLE SCLEROSIS.

KR Dowell and K Mruk, Laramie, WY. WWAMI Medical Education, University of Washington School of Medicine, Laramie, WY

WORKERS WITH HIGHER STRESS LEVELS HAVE ALTERED DYNAMIC NEUROIMAGING.

K Kuehl, K Mackiewicz-Seagate, D Elliot, J Ballin, C DeFrancesco, W McGinnis and K Gallemore, Portland, OR. Oregon Health & Science University School of Medicine

LEARNING TYPES DURING INTERPRETATION BIAS TRAINING TO TREAT IRRITABILITY.

T Trujillo, J Stoddard, S Haller, M Brotman and M Jones, Denver, CO; Bethesda, MD; Boulder, CO. University of Colorado Denver School of Medicine

IMPACT OF OBESITY ON BRAIN RESPONSE TO FOOD CUES FOLLOWING NON-NUTRITIVE AND NUTRITIVE SWEETENER INGESTION.

AG Yunke, S Luo, S Jones, B Angelo, AW DeFendis and K Page, Los Angeles, CA. University of Southern California

ASCORBIC ACID ATTENUATES HYDROGEN PEROXIDE INDUCED OXIDATIVE STRESS AND OSTEOBLASTS DEMONSTRATE ANTIOXIDANT RECYCLING POTENTIAL.

RT Tran, J Morgenstern, S Droho and J Olson, Englewood, CO. University of Colorado - Anschutz Medical Campus

NOVEL METHODOLOGY FOR PROBING MICROGLIAL METABOLISM IN SITU.

NC Cleland, MC Neal, M Tang, E Dobrinskikh and K Bruce, Denver, CO; Aurora, CO.
### Abstract 219

**9:32** QUESTION AND ANSWER

**9:55 AM – 10:05 AM BREAK**

**Adolescent Medicine and Behavior Development IV**  
**Room 4**  
*Jack Dempsey, Presiding*

#### 9:00

**Mead Johnson Nutrition Behavior & Development State-of-the-Art Speaker**  
**MOTHER BABY CONNECTIONS: FAMILY FUNCTIONING AND INFANT DEVELOPMENT.**  
*Pamela Geller, Drexel University*

#### 9:30

**Mead Johnson Nutrition Adolescent Medicine and General Pediatrics State-of-the-Art Speaker**  
**ADOLESCENT ENCEPHALITIS: DIAGNOSTIC CHALLENGES AND NEUROCOGNITIVE/BEHAVIORAL OUTCOMES.**  
*Walter Dehority, University of New Mexico*

**9:55 AM – 10:05 AM BREAK**

### CONCURRENT SESSIONS

Saturday, January 30, 2021  
10:05 AM – 11:00 AM

*Jointly sponsored by*  
**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH**  
**WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

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<td><strong>Adolescent Medicine and Behavior Development IV</strong></td>
<td>Room 4</td>
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<td><em>Jack Dempsey, Presiding</em></td>
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| **10:05** SCREENING FOR AND DIAGNOSING MALNUTRITION IN HOSPITALIZED PEDIATRIC PATIENTS.**  
*SL Thompson, E Lamers-Johnson, K Kelley, L Woodcock, J Long, C Bliss, J Abram, A Steiber and EY Jimenez, Albuquerque, NM; Chicago, IL University of New Mexico*  
**Abstract 220**

**10:09** IDENTIFYING GAPS IN SEXUAL HEALTH CARE AND BARRIERS TO
PROVIDING RECOMMENDED CARE TO ADOLESCENTS AT AN ACADEMIC PRIMARY CARE CLINIC.
*S Kaye, R Byrd, L Kester and S Crossen, Sacramento, CA. UC Davis Children's Hospital

10:13 SEX DIFFERENCES IN PREGNATAL EXPOSURE TO MATERNAL OBESITY AND BREASTFEEDING ON CARDIOMETABOLIC MARKERS IN CHILDREN.
*AW DeFendis, J Alves, AG Yunker, AH Xiang and K Page, Los Angeles, CA; Pasadena, CA. University of Southern California

10:17 TARGETING GUN VIOLENCE, IMPROVING SCREENING FOR ACCESS TO FIREARMS IN EMERGENCY DEPARTMENT PEDIATRIC PSYCHIATRIC PATIENTS.
*C Stegall, J Ayala, K Barton, K Allen and A Kumar-Veerawamy, Charleston, SC.
Medical University of South Carolina

10:21 THE EPIDEMIC OF STRESS AND ANXIETY AMONG TODAY'S HIGH SCHOOL STUDENTS: DO STUDENTS NEED A "LIFE" CLASS?
*C Santos, O Washington, E Bustinza, N Garcia, A Perez and R Kinman, Fresno, CA.
Edison High School

10:25 PATIENT/PARENT ADMINISTERED EPINEPHRINE IN ACUTE ANAPHYLAXIS.
*MA Murata, Kaneohe, HI. Hawaii Pacific Health

10:29 “HOW DO YOU SEE YOURSELF?”: APPLYING YOUTH-DEFINED MENTAL HEALTH DOMAINS TO SUPPORT THE BALANCE OF MENTAL HEALTH AND ACADEMICS.
*CM Suarez, A Panh, E Gastelum and R Kinman, Sacramento, CA; Fresno, CA. University of California Davis (WSMRF)

10:33 AN INNOVATIVE HYBRID LEARNING MODEL IN PEDIATRIC CRITICAL CARE MEDICINE DURING THE SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 PANDEMIC.
*CM Suarez and T Bunnalai, Sacramento, CA; Fresno, CA. University of California Davis

10:37 QUESTION AND ANSWERS
10:05 **METFORMIN IMPROVES LEFT VENTRICULAR SIZE AND FUNCTION IN ADOLESCENTS WITH TYPE 1 DIABETES.**
A Nguyen, U Truong, M Schäfer, A Baumgartner, AJ Barker, K Hunter, D Burkett, JE Reusch and KJ Nadeau, Aurora, CO. *University of Colorado Denver School of Medicine (WAFMR)*
Abstract 228

10:09 **OUTCOME OF THE DEVELOPMENT OF RESTRICTIVE PHYSIOLOGY AFTER HEART TRANSPLANTATION.**
A Deshpande, N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Los Angeles, CA; Pomona, CA. *Western University of Health Sciences*
Abstract 229

10:13 **LONG-TERM EFFECTS OF MONOTHERAPY WITH LOW DOSE TACROLIMUS.**
M Froch, N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Los Angeles, CA. *Smidt Heart Institute, Cedars-Sinai*
Abstract 230

10:17 **APPROACH TO THE HIGHLY SENSITIZED PATIENT AWAITING HEART TRANSPLANTATION.**
C Villa, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Seattle, WA; Los Angeles, CA. *University of Washington*
Abstract 231

10:21 **GENETIC DETERMINANTS OF VARIABLE EXPRESSIVITY OF OBSTRUCTIVE LEFT HEART DISEASE.**
C Rosputni, M Kelly Galindo and S Klewer, Tucson, AZ. *The University of Arizona College of Medicine*
Abstract 232

10:25 **EFFECT OF SLEEP APNEA ON ATRIAL ARRHYTHMIA RECURRENT RATES AFTER ABLATION.**
RR Maheshwary, E Ovruchesky, P Malhotra, X Zhang, R Makhija and U Srivatsa, Sacramento, CA; Davis, CA. *University of California Davis*
Abstract 233

10:29 **REFINED METHODS FOR TRANSCRIPTOME ANALYSIS IN ISCHEMIC CARDIOMYOPATHY.**
A Cullen, L Mestroni, S Graw, D Grine, G Storm, S Gao, S Chen and M Taylor, Aurora, CO; Houston, TX. *University of Colorado Denver School of Medicine University of Colorado Denver School of Medicine*
Abstract 234
10:33 BYSTANDER CPR AND VENTRICULAR FIBRILLATION WAVEFORM MEASURES IN OUT-OF-HOSPITAL CARDIAC ARREST.
B Bessen, J Coult, J Blackwood, T Rea, P Kudenchuk and H Kwok, Seattle, WA.
University of Washington

Abstract 235

10:37 QUESTION AND ANSWERS

Healthcare Research IV - Psychology
Room 2
Melanie Cree-Green, Presiding

10:05 ARE MALES AND FEMALES ALIKE? THE ROLE OF CENTRAL SENSITIZATION IN PATIENTS WITH CHRONIC ROTATOR CUFF TEARS.
C Bauer, A Hegarty, F Pozzi, M Tsay, B Liebeskind and L Michener, Pasadena, CA; Los Angeles, CA; Gainesville, FL. Western University of Health Sciences

Abstract 236

10:09 SUBSTANCE USE AND MENTAL HEALTH COMORBIDITIES AMONG PATIENTS IN A LOW-BARRIER HIV CLINIC.
EE Altwies, L Chwastiak, JI Tsui, E Bhatraju, MR Golden, M Ramchandani and JC Dombrowski, Seattle, WA. University of Washington

Abstract 237

10:13 ADVERSE CHILDHOOD EXPERIENCES AND DEVELOPMENTAL DELAY IN YOUNG US CHILDREN.
C Nivens, A Hoyt-Austin and E Bimla Schwarz, Sacramento, CA. University of California Davis

Abstract 238

10:17 NALOXONE AVAILABILITY THROUGHOUT CALIFORNIA.
California Northstate University College of Medicine

Abstract 239

10:21 ASSOCIATION BETWEEN MENTAL ILLNESS AND CARDIOVASCULAR OUTCOMES AMONG EMERGENCY DEPARTMENT PATIENTS PRESENTING WITH CHEST PAIN.
S Kumar, H Duber and A Sabbatini, Seattle, WA. University of Washington School of Medicine

Abstract 240

10:25 TRANSITION OF CARE FROM THE EMERGENCY DEPARTMENT FOR PATIENTS WITH OPIOID USE DISORDER.
L Nguyen, K Jablonowski, K Hallgren, D Taniguchi and L Whiteside, Seattle, WA.
University of Washington School of Medicine (WSMRF)

Abstract 241
FACTORS ASSOCIATED WITH PAIN-RELATED HIGH-COST CARE SETTINGS IN HIDRADENITIS SUPPURATIVA.
JM Fernandez, AM Thompson, JL Hsiao and VY Shi, Tucson, AZ; Little Rock, AR; Los Angeles, CA. The University of Arizona College of Medicine Tucson

AN ASSET-BASED APPROACH TO REDUCING OPIOID-RELATED MORTALITY AMONG THE LUMMI COMMUNITY.
T Huynh, Seattle, WA. University of Washington School of Medicine (WSMRF)

ASSESSMENT OF ULTRASOUND-GUIDED PERIPHERAL ARTERIAL LINE PLACEMENT IN INFANTS AFTER IMPLEMENTATION OF A BEDSIDE ULTRASOUND PROGRAM.
R Dasani, V Pai, S Vallandingham, C Noh, A Davis and S Bhombal, Palo Alto, CA.
Stanford University School of Medicine

RECONCILING MARKEDLY DISCORDANT VALUES OF SERUM FERRITIN VERSUS RETICULOCYTE HEMOGLOBIN CONTENT.
TM Bahr, V Baer, RK Ohls, TR Christensen, D Ward, S Bennett and RD Christensen, Salt Lake City, UT. University of Utah

OUTCOMES OF VERY LOW BIRTH WEIGHT PRETERM INFANTS WITH MATERNAL CHORIOAMNIONITIS AND FUNISITIS.
S Sakhamuru, A Hisey, T Tagliaferro, L Barton, R Ramanathan and M Biniwale, Granada Hills, CA; Los Angeles, CA. Los Angeles County, University of Southern California

DELIVERY ROOM RESUSCITATION PRACTICE TRENDS IN A POPULATION-BASED COHORT OF INFANTS BORN AT PERIVIABLE GESTATIONAL AGE.
X Chen, T Lu, J Gould, SR Hintz, DJ Lyell, X Xu and H Lee, Stanford, CA; New Haven, CT. Stanford University School of Medicine (WSPR)
FACTORS AFFECTING OUTCOMES OF INFANTS DELIVERED IN AN EMERGENCY SETTING.
MP Martes Gomez, S Liu, B Gordon, R Ramanathan and M Biniwale, Glendale, CA; Los Angeles, CA. LAC+USC

QUALITY IMPROVEMENT INITIATIVE TO REDUCE TIME TO FULL FEEDS IN INFANTS WITH GASTROSCHISIS.
A Vachhani, A Zepeda-Tiscareno, J Rosoff, E David, A Walther, W Moses, S Nair and J Shepherd, Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine of USC

CONCURRENT SESSIONS
Saturday, January 30, 2021
11:00 AM – 11:55 AM
Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Adolescent Medicine and Behavior Development V……………………………Room 1
Cardiovascular II………………………………………………………………Room 2
Healthcare Research V…………………………………………………………Room 3
Neonatology General VI…………………………………………………………Room 4

PERCEPTION AND PREVALENCE OF WITHDRAWAL AS A CONTRACEPTIVE METHOD AMONGST MEDICAL STUDENTS.
SY Li, P Desai, J Lin, H Choi and AL Nelson, Pomona, CA. Western University of Health Sciences (WSMRF)

IMPACT OF SEXUAL HEALTH EDUCATION ON WITHDRAWAL USE AND PERCEPTION AMONGST GRADUATE STUDENTS.
P Desai, SY Li, H Choi, J Lin and AL Nelson, Pomona, CA. Western University of Health Sciences (WSMRF)

EFFECT OF INTERVENTIONS TO IMPROVE CHILDHOOD VACCINATION WITH A FOCUS ON UNDERSERVED POPULATIONS.
C Fang, N Sussman and B Afghani, Irvine, CA; Orange, CA; Phoenix, AZ. UC Irvine
11:12 IMPROVING ACCESS TO ETONOGESTREL IMPLANT AT CHILDREN'S HOSPITAL LOS ANGELES (CHLA).
C Kim, A Hidirsah, AL Nelson and C Borzutzky, Los Angeles, CA; Pomona, CA.
Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

11:16 A RARE PRESENTATION OF HENOCH-SCHONLEIN PURPURA AS HEMORRHAGIC BULLOUS LESION IN AN ADOLESCENT.
M Kaur, M Khamlong, A Abad and T Nandhagopal, Bakersfield, CA. Kern Medical Center

11:20 POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME FOLLOWING STEROID TREATMENT FOR DRUG RASH IN A PEDIATRIC PATIENT.
T Mills, D Balyozian and M Huang, San Diego, CA. University of California San Diego

11:24 VARIATIONS IN CLINICAL AND LABORATORY PRESENTATION OF UTI IN MEDICALLY COMPLEX PATIENTS.
MB Iyer, A Nguyen, J Beck and K Kieran, Seattle, WA. University of Washington School of Medicine

11:28 IMPROVING COMPLETION RATES OF MATERNAL DEPRESSION SCREENING IN AN ACADEMIC PEDIATRIC PRACTICE.
K Habib and K Mullens, Phoenix, AZ. The University of Arizona College of Medicine Phoenix

11:55 AM – 1:00 PM BREAK

COVID - Infectious Diseases II
Room 2
David Gilbert, Presiding

11:00 EFFECTS OF COVID-19 ON MORBIDITY AMONGST PATIENTS WITH PRE-EXISTING ASTHMA IN THE CENTRAL VALLEY DURING THE EARLY PANDEMIC.
A Singh, R Plasencia, V Plasencia and AZ Ahmad, Fresno, CA. University of California San Francisco (WAFMR Subspecialty Award)

11:04 A UNIQUE HOST IN HIV AND MORBID OBESITY FOR COVID-19.
NM Winicki and J Parker, Riverside, CA; Los Angeles, CA. University of California Riverside
11:08 SEX DIFFERENCES IN ANXIETY DISORDERS AND LOW SOCIOECONOMIC STATUS DURING THE COVID-19 PANDEMIC.
C Roose, Tucson, AZ. The University of Arizona College of Medicine Tucson

11:12 IMPACT OF ALTITUDE ON CORONAVIRUS-DISEASE-2019 PER CAPITA INFECTION, DEATH, AND MORTALITY RATES IN THE UNITED STATES: A MODELING AND OBSERVATIONAL STUDY.
KE Stephens, DR Bruns and P Chernyavskiy, Anchorage, AK. University of Washington School of Medicine

11:16 DECREASED MORTALITY RATE AMONG COVID-19 PATIENTS USING STATINS: DATA FROM US ELECTRONIC HEALTH RECORDS.
T Oskotsky, I Maric, I Kosti, BL Le, RJ Wong, GM Shaw, M Sirota and DK Stevenson, Stanford, CA; San Francisco, CA. Stanford University School of Medicine

11:20 HISPANIC PARADOX IN THE SETTING OF THE COVID-19 PANDEMIC.
HTazhibi and P Wahba, Granada Hills, CA; Mission Hills, CA. Western University of Health Sciences (WSMRF)

11:24 EVALUATING THE RISK OF COVID-19 ILLNESS AMONG EMS PROVIDERS FOLLOWING CARDIOPULMONARY RESUSCITATION AND AEROSOL GENERATING PROCEDURES.
AD Brown, L Schwarcz, CR Counts, L Barnard, BY Yang, J Emert, AJ Latimer, C Drucker, J Blackwood, P Kudenchuk, M Sayre and T Rea, Seattle, WA. University of Washington School of Medicine

11:28 INCORRECT FACE MASK USE AND POTENTIAL COVID-19 EXPOSURES IN PUBLIC LOCATIONS.
D Button, P Brown, R Somogyi, A Chang, H Nguyen, S Buerk, B Chen, T Zimmerman, T Funari, C Colbert, B Kea and C Atzema, Portland, OR; Toronto, , Canada. Oregon Health & Science University (WAFMR Subspecialty Award)

11:55 AM – 1:00 PM BREAK
11:00 EVALUATION OF DATA TRANSFER OF PERINATAL HEPATITIS C VIRUS EXPOSURE RISK DATA IN A MULTISITE HEALTH SYSTEM.
M Geist, A Schumacher and LD Nolen, Wasilla, AK; Anchorage, AK. University of Washington

11:04 UNPLANNED HOSPITAL READMISSIONS AT BRITISH COLUMBIA CHILDREN'S HOSPITAL.
A Wachtel, MA Irvine, R Courtemanche, M Bucevska and D Courtemanche, Vancouver, Canada. BC Children's Hospital Research Institute The University of British Columbia

11:08 UNDERSTANDING GAPS IN CARE: EXPLORING NEIGHBORHOOD LEVEL RESOURCES FOR CERVICAL CANCER SCREENING IN CHICAGO, IL.
KP Oelerich, D Oshomuvwe, K Munoz, N Lee and S Dewdney, Chicago, IL. Rush Medical College of Rush University

A Chambers, B Fassl and F Nkoy, Salt Lake City, UT. University of Utah Health

11:16 HIP SURVEILLANCE FOR CHILDREN WITH WHAT? THE CONUNDRUM OF DIAGNOSIS.
S Miller, J Coates and K Mulpuri, Vancouver, BC, Canada. BC Children's Hospital

11:20 HEALTHCARE RESOURCE UTILIZATION IN CHILDREN WITH CEREBRAL PALSY.
M Juricic, S Miller, N Fajardo, C Chapman, J Coates, E Habib, E Schaeffer and K Mulpuri, Vancouver, BC, Canada. BC Children's Hospital

11:24 CORRELATION OF RAIL SYSTEMS WITH LOWER TRAFFIC FATALITY RATES.
K Abe and L Yamamoto, Honolulu, HI. University of Hawaii John A. Burns School of Medicine

11:28 IMPROVING ONCOLOGY EDUCATION FOR FAMILY MEDICINE RESIDENTS: HOW DOES BC COMPARE?
A Janz, P Ingledew, L Wang, S Bortnik and J Garcha, Vancouver, BC, Canada. UBC, The University of British Columbia
11:00 VANCOMYCIN USAGE OPTIMIZATION IN NEONATAL INTENSIVE CARE UNIT.
M Chang, K Mongkolrattanothai, S Chin, Y Li, R Orbach, L Stach, S Nair and V Milisavljevic, Los Angeles, CA. LAC USC

11:04 DIFFERENCES IN BLOOD GLUCOSE LEVELS IN PRETERM INFANTS LESS THAN 1250 GRAMS AT BIRTH FED EXCLUSIVE HUMAN MILK OR BOVINE MILK BASED FORTIFIED HUMAN MILK.
M Chang, L Barton, R Ramanathan and R Cayabyab, Pasadena, CA. LAC USC Medical Center

11:08 EFFECTS OF POSTNATAL STEROIDS ON NEURODEVELOPMENTAL OUTCOMES IN PRETERM INFANTS
JJ Keel, LK Lee, W Surento, M Shiroishi, N Jahanshad, R Ramanathan and R Cayabyab, Los Angeles, CA; Fontana, CA. LAC+USC

11:12 QUALITY IMPROVEMENT INITIATIVE TO IMPROVE PATIENT CARE FOR NEONATAL ABSTINENCE SYNDROME.
A Iacob, Y Nicolau, R Koeppel, P Aron-Johnson and C Uy, Long Beach, CA. University of California - Irvine

11:16 BENEFITS OF DELAYED CORD CLAMPING IN PRETERM INFANTS AT 23-28 WEEKS OF GESTATION AT BIRTH.
S Sakhamuru, M Chu, JJ Keel, L Barton, R Ramanathan and R CAYABYAB, Los Angeles, CA; Granada Hills, CA. University of Southern California Keck School of Medicine

11:20 NICU CLINICIANS' PERSPECTIVE ON TELEPHONE COMMUNICATION WITH PARENTS: A QUALITATIVE STUDY.
JA Williams, R Patterson, B Macauley, L Gievers and K Zuckerman, Portland, OR. Oregon Health & Science University (WSPR)

11:28 IMPACTS OF DELIBERATE PRACTICE SIMULATION ON NEONATAL OUTCOMES.
M Nguyen, I Purdy, M Leng and J Enciso, Los Angeles, CA. University of California Los Angeles

Abstract 282

11:55 AM – 1:00 PM BREAK

CONCURRENT SESSIONS

Saturday, January 30, 2021
1:00 PM – 1:55 PM

Jointly sponsored by

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

1:00 AGE-SPECIFIC ASSOCIATION BETWEEN STANDING HEIGHT AND PULSE PRESSURE IN ADULTS.
A Visaria, P Maniar, B Dave, S Kumarapuram and D Lo, Newark, NJ. New Jersey Institute of Technology (WAFMR Subspecialty Award)

Abstract 283

1:04 UNDERSTANDING ACCESS TO HEALTHY OPTIONS IN FOOD BANKS AS PART OF COMMUNITY-BASED CHRONIC DISEASE PREVENTION AND MANAGEMENT EFFORTS.
LJ Archuleta, C Vargas, A Knoblock-Hahn and E Jimenez, Albuquerque, NM. University of New Mexico School of Medicine

Abstract 284

1:08 DOES LIVER SURFACE NODULARITY CONTRAINDECT HEART TRANSPLANT?
I Singh, T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars Sinai
1:12  THE CORRELATION BETWEEN EXECUTIVE FUNCTION AND COPING MECHANISMS IN INDIVIDUALS WITH CONGENITAL HEART DEFECTS.
VF Eller, S Mathena, J Andrews and S Klewer, Tucson, AZ. The University of Arizona College of Medicine Tucson

1:16  HIGH INCIDENCE OF OBSTRUCTIVE SLEEP APNEA AMONG PATIENTS REFERRED FOR ATRIAL FIBRILLATION ABLATION DIAGNOSED BY ACTIVE SCREENING.
E Ovruchesky, RR Maheshwary, R Makhija, X Zhang and U Srivatsa, Sacramento, CA. University of California Davis

1:20  DOES TIMING OF RENAL DYSFUNCTION AFTER HEART TRANSPLANT RESULT IN WORSE OUTCOMES?
N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars Sinai

1:24  EFFECTS OF DONOR AGE ON HEART-KIDNEY TRANSPLANTATION IN OLDER RECIPIENTS.
T Singer-Englar, N Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars-Sinai

1:28  CLOSTRIDIUM DIFFICILE IN POST-HEART TRANSPLANT RECIPIENTS: IS THERE AN IMMUNE MODULATORY EFFECT?
S Rashidi, N Patel, T Singer-Englar, M Hamilton and J Kobashigawa, Los Angeles, CA. Smidt Heart Institute, Cedars-Sinai

1:32  QUESTION AND ANSWERS

COVID - Health Care Research
Room 2
Ricardo Correa, Presiding

1:00  IMPLEMENTATION OF A COLLABORATIVE PEDIATRIC AND ADULT HYBRID TEAM IN THE CARE OF CRITICALLY ILL ADULT PATIENTS DURING CORONAVIRUS PANDEMIC: AN EXPERIENCE FROM A LARGE COMMUNITY HOSPITAL IN SAN JOAQUIN VALLEY, CALIFORNIA.
T Bunnalai, R Fontenette, K Siruguppa, V Vargas, C Neville, J Waugh, M Merriman, T Lien, L Covarrubias, A Ip and H Husted, Fresno, CA; Davis, CA; Travis AFB, CA. UCSF Fresno Center for Medical Education and Research Edward and Ann Hildebrand Medical Library (WAFMR)
1:05 JOB-RELATED INJURIES OF HEALTHCARE WORKERS IN COVID-19: WHY SO FEW?
LW Raymond, Charlotte, NC; Chapel Hill, NC. Atrium Health University of North Carolina, Chapel Hill (WAFMR)
Abstract 292

1:10 THE EXPERIENCE OF COVID-19 BY U.S. DERMATOLOGY RESIDENTS: A NATIONAL SURVEY.
M Woodfin, J Robertson, L Bonomo, S Feng and M Shinohara, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 293

1:15 TELEMEDICINE USE BY ROUNDING HOSPITALISTS DURING COVID-19: A PILOT MODEL & QUALITATIVE STUDY.
S Dhamija, B Geyer, M Sethi, T Ricalde, G Dalal, A Khan and R Suvarna, Auburn, WA. MultiCare Auburn Medical Center
Abstract 294

1:20 RESPONSE RATE BEFORE AND DURING COVID-19 PANDEMIC FOR CHILDBIRTH EXPERIENCE SURVEY.
A Lunardhi and H Stohl, Pomona, CA; Los Angeles, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)
Abstract 295

1:25 COVID-19 IMPACTS ON PEDIATRIC ORTHOPEDIC SURGERY.
M Gibbard, BV Sidhu, S Farrell, J Bone, A Cooper, A Aroojis, G Orthopaedic Group and K Mulpuri, Vancouver, BC, Canada; Mumbai, India. BC Children's Hospital
Abstract 296

1:30 DETERMINANTS OF COVID-19 VACCINE ACCEPTANCE AMONG HEALTH CARE PROVIDERS AND CITIZENS IN NEVADA.
AS Robles, A Gallahue, S Bennett, T Nerida, T Larson, H Parker and M Riddle, Reno, NV; Carson City, NV. University of Nevada Reno School of Medicine (WSMRF)
Abstract 297

1:35 ASSESSING BARRIERS AMONG HIV, SUBSTANCE USE DISORDER, AND TRANS PATIENTS DURING THE COVID-19 PANDEMIC.
A Yousif, C Akpala, L Patten, E Wallace and J Bettencourt, Huntington, WV; Boston, MA; Aurora, CO. University of Colorado School of Medicine
Abstract 298

1:32 QUESTION AND ANSWERS

Endocrinology and Metabolism II
Room 3
Jacob J. Stuppy, Presiding

1:00 AN INVESTIGATION OF DIET QUALITY AND HYPOTHALAMIC GLIOSIS IN CHILDBOARD OBESITY.
1:04 DISSOCIATION OF IN VIVO AND EX VIVO MITOCHONDRIAL FUNCTION IN TYPE 2 DIABETES.
A Johnston, LA Abushamat, IE Schauer, KJ Nadeau, M Cree-Green, JG Regensteiner and JE Reusch, Denver, CO. University of Colorado Denver School of Medicine (WSMRF)
Abstract 300

1:08 AMPK STIMULATES INSULIN CLEARANCE IN HEPATOCYTES.
X McCleary, M Peterfy and N Ehrhardt, Pomona, CA. Cal Poly Pomona Western University of Health Sciences
Abstract 301

1:12 EFFECT OF ONE MONTH EXPOSURE TO COMPONENTS OF THE REPROMETABOLIC SYNDROME ON PHYSICAL ACTIVITY AND BODY COMPOSITION IN WOMEN.
DF Yabroudi, N Santoro, A Allshouse, A Bradford, IE Schauer and W Kohrt, Aurora, CO. University of Colorado (WSMRF)
Abstract 302

1:16 VERTICAL SLEEVE GASTRECTOMY IMPROVES INSULIN SENSITIVITY IN SEVERELY OBSETE TEENAGERS.
T Dobbs, A Baumgartner, P Bjornstad, M Kelsey, M Cree-Green, TH Inge and KJ Nadeau, Denver, CO. University of Colorado Denver School of Medicine
Abstract 303

1:20 CORTISOL AND VITAMIN D LEVELS AS RELATED TO STRESS IN FIRST AND SECOND YEAR MEDICAL STUDENTS.
CJ Reid, M Murphy-Meyers, N Chen, M Mosca, M Thompson, D Howard, C Klinhom and A Prabhu, Reno, NV. University of Nevada, Reno School of Medicine
Abstract 304

1:24 SOCIAL MEDIA PERSPECTIVES AND QUESTIONS OF LIVING WITH POLYCYSTIC OVARIAN SYNDROME.
M Towbin, K Ghobrial, E Chiang, S Razi and AL Nelson, Los Angeles, CA; Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific
Abstract 305

1:28 A PRACTICAL AND ACCURATE METHOD TO QUANTIFY PANCREATIC FAT ON MRI IN CHILDREN WITH NONALCOHOLIC FATTY LIVER DISEASE.
J Story, S Kafali, S Shih, S Ghahremani, KL Calkins and HH Wu, Los Angeles, CA. University of California Los Angeles David Geffen School of Medicine (WSMRF)
Abstract 306

1:32 QUESTION AND ANSWERS
INCIDENCE, RISK FACTORS, AND HEALTHCARE RESOURCE UTILIZATION OF EARLY ACUTE KIDNEY INJURY FOLLOWING LUNG TRANSPLANT.

J Merk, B Hwang, A Cheng and M Mulligan, Seattle, WA; Seattle, WA. University of Washington

IDENTIFYING LOWER EXTREMITY ASYMMETRIES IN PREVIOUSLY INJURED RECREATIONAL ENDURANCE RUNNERS.

J Sheasley, Y Chun, N Martonick, L Krumpl and J Bailey, Anchorage, AK; Moscow, ID. University of Washington School of Medicine

HIP SURVEILLANCE FOR CHILDREN WITH CEREBRAL PALSY: A SURVEY OF ORTHOPAEDIC SURGEONS IN INDIA.

J Li, D Ganjwala, S Miller, E Schaeffer, B Shore, A Johari, A Aroojis and K Mulpuri, Vancouver, BC, Canada; Ahmedabad, India; Boston, MA; Mumbai, India. BC Children's Hospital

AN INSIDIOUS PROGRESSION OF MORGANELLA MORGANII IN ASCENDING CELLULITIS.

P Wiltz and T Berg, Yakima, WA; Sunnyside, WA. Pacific Northwest University of Health Sciences

PEDIATRIC HAND FRACTURES: HOW OFTEN DO WE OPERATE?

S Wei, D Forbes, M Bucevska, R Hartley, S Salhi, F Fraulin, R Harrop and JS Arneja, Vancouver, BC, Canada; Calgary, Canada. The University of British Columbia Faculty of Medicine

INTRA-OPERATIVE MEAN ARTERIAL BLOOD PRESSURE PREDICTS NEUROLOGIC RECOVERY FOLLOWING ACUTE TRAUMATIC SPINAL CORD INJURY.

MM Cook, KT Patterson, J Barber, VN O'Reilly-Shah, AH Dagal, C Fong, H Weaver and R Saigal, Seattle, WA. University of Washington School of Medicine

SURGEON RECOMMENDATIONS FOR PHYSICAL ACTIVITY IN PATIENTS WITH PEDIATRIC HIP DISORDERS.

J Li, E Schaeffer, S Miller, V Schreiber, I Zaltz, Y Hailer, J Clohisy, H Kim and K Mulpuri, Vancouver, BC, Canada; Miami, FL; Royal Oak, MI; Uppsala, Sweden; St. Louis, MO; Dallas, TX. BC Children's Hospital
Abstract 313

1:28 THE PEDIATRIC “SPINE AT RISK” PROGRAM: 8-YEAR REVIEW OF A NOVEL SAFETY SCREENING TOOL AT A SINGLE INSTITUTION.
A Galambas, WF Krengel and JM Bauer, Seattle, WA. University of Washington School of Medicine

Abstract 314

1:32 QUESTION AND ANSWERS

CONCURRENT SESSIONS

Saturday, January 30, 2021
1:55 PM – 2:50 PM
Jointly sponsored by
WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR PEDIATRIC RESEARCH

Health Care Research VI - Quality Improvement…………………………..Room 1
Infectious Diseases II…………………………………………………………..Room 2
Surgery V…………………………………………………………………..Room 3

Health Care Research VI - Quality Improvement
Room 1
Ricardo Correa, Presiding

1:55 Cancelled

Abstract 315

1:59 ANALYSIS OF PERIPARTUM CARE FOLLOWING IMPLEMENTATION OF A COMPREHENSIVE MATERNAL-NEONATAL CARE PROGRAM IN SOLUKHUMBU, NEPAL.
B Covarrubias, A Chambers, B Fassl, A Sherpa and D Levy, Salt Lake City, UT; Phaplu, Nepal; Omaha, NE. University of Utah Health

Abstract 316

2:03 PATIENT PERSPECTIVES ON HOW TO PROMOTE RESPECT IN THE HEALTHCARE SETTING: FINDINGS FROM A QUALITATIVE INTERVIEW STUDY.
C Bridges, D Duenas, H Lewis, K Anderson, D Opel, B Wilfond and S Kraft, Kirkland, WA; Seattle, WA; Denver, CO. University of Washington School of Medicine

Abstract 317

2:07 PATIENT WORKFLOW IN A MULTIDISCIPLINARY CLEFT PALATE - CRANIOFACIAL PROGRAM.
2:11 DIVERSITY IS LACKING IN CLINICAL RESEARCH OF SEX CHROMOSOME ANEUPLOIDY CONDITIONS.
BS Avila and S Davis, Denver, CO. University of Colorado

2:15 FAITH-BASED AND FEDERAL GOVERNMENT-AFFILIATED TRAINING SITES FOR PRIMARY CARE: IMPLICATIONS FOR WOMEN’S HEALTH SERVICES.
AN Nguyen, N Tan, E Godfrey and AH McClintock, Seattle, WA. University of Washington

2:19 DEPRESSION AND ANXIETY SCREENINGS FOR WOMEN WITH POLYCYSTIC OVARY SYNDROME WITHIN VETERANS AFFAIRS TRAINING PROGRAMS: A PILOT STUDY ON RESIDENT PERCEPTION.
M Yu, AL Nelson and Y Fernandez-Sweeny, Pomona, CA. Western University of Health Sciences

2:23 PERCEIVED DISPARITIES IN KNOWLEDGE AND ACCESS TO REPRODUCTIVE HEALTHCARE SERVICES IN ARMENIAN AMERICAN YOUTH.
BJ Barouni, H Dolmaian, A Boodaghian, A Hovssipian, AL Nelson and F Dong, Pomona, CA. Western University of Health Sciences

2:27 QUESTIONS AND ANSWERS

Infectious Diseases II
Room 2
Arash Heidari, Presiding

1:55 ONLINE CONTENT ABOUT PRENATAL TDAP VACCINATION USING REDDIT.
T Le, K Lee, S Feng, AL Nelson and J Matacotta, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

1:59 ASSESSMENT OF THE EFFICACY OF ANTIMICROBIAL PROPHYLAXIS FOLLOWING DOG BITES.
A Davis, W Dehority, DA Hill, H Snow and L Fullerton, Albuquerque, NM. University of New Mexico

2:03 TWO CASES OF HUMAN ORF RESEMBLING INTRAVASCULAR
LYMPHOMA, ANGIOLYMPHOID HYPERPLASIA WITH EOSINOPHILIA, AND LYMPHOMATOID PAPULOSIS.
A Savell and M Heaphy, Sparks, NV; Reno, NV. University of Nevada, Reno School of Medicine

Abstract 325

2:07 FACTORS ASSOCIATED WITH FIRST-LINE PENICILLIN TREATMENT AMONG WOMEN DIAGNOSED WITH SYPHILIS DURING PREGNANCY IN BRAZIL FROM 2010-2018.
EJ Swayze, K Nielsen-Saines and M Cambou, Los Angeles, CA; Redwood City, CA; Boston, MA. Western Michigan University Homer Stryker MD School of Medicine University of California Los Angeles

Abstract 326

2:11 METAGENOMIC NEXT GENERATION SEQUENCING OF CEREBROSPINAL FLUID IN ANTIBIOTIC PRE-TREATED, CULTURE NEGATIVE BACTERIAL MENINGITIS.
A Sinha, A Belmonte, K Schwalm, D Dinwiddie and W Dehority, Albuquerque, NM. University of New Mexico (WSPR)

Abstract 327

2:15 DISSEMINATED TRICHOSPORONOSIS IN A TWO-YEAR-OLD WITH ACUTE LYMPHOBLASTIC LEUKEMIA.
M Nguyen, F Naeem, F Razzaqi and V Vijayan, Madera, CA. Valley Children's Hospital

Abstract 328

2:19 CAVITARY COCCIDIOMYCOSIS IN PATIENTS WITH DIABETES MELLITUS.
VK Narang, C Upple, R Johnson and A Heidari, Bakersfield, CA. UCLA-Kern Medical (WAFMR)

Abstract 329

2:23 YET ANOTHER COMPLICATION OF E-CIGARETTE OR VAPING PRODUCT USE: PULMONARY ASPERGILLOSIS.
C Kupelian, V Vijayan, H Kallas and A Kim, Madera, CA. Valley Children's Healthcare

Abstract 330

2:27 QUESTIONS AND ANSWERS
BEWARE THE TRANSVERSE PLANE: VARIABILITY OF "NORMAL GAIT" IN TYPICALLY DEVELOPING CHILDREN.
PS Panesar, A Bagley and V Kulkarni, Sacramento, CA. UC Davis School of Medicine
Abstract 331

THE INFLUENCE OF PROPHYLACTIC CEMENT AUGMENTATION ON SURGICAL REVISION RATES IN SPINAL FUSION SURGERY.
B Shahrvini, B Shahidi, J Fennessy, C Grant, J Parekh, V Zlomislic, S Garfin and R Allen, La Jolla, CA. University of California San Diego (WSMRF)
Abstract 332

BIOMECHANICAL COMPARISON OF KNOTTED TRANSOSSEOUS EQUIVALENT VERSUS SPEED-BRIDGE ROTATOR CUFF REPAIR TECHNIQUES: A SYSTEMATIC REVIEW.
J Ansah-Twum, C Cannizzaro, W Belk and A Vidal, Aurora, CO; Syracuse, NY. University of Colorado Denver School of Medicine
Abstract 333

“SHAGGY AORTA” PROTOCOL – UTILIZING THE BENEFITS OF BOTH ANTEGRADE AND RETROGRADE CEREBRAL PERFUSION FOR ALL OPEN AORTIC ARCH OPERATIONS.
C Ghincea, Y Ikeno, Z Feng, N Lu, JY Rove, JD Pal, JC Cleveland, DA Fullerton, M Aftab and TB Reece, Aurora, CO. University of Colorado School of Medicine (WAFMR)
Abstract 334

CHANGES IN CLINICAL PATHWAYS AND FUNCTIONAL OUTCOMES OF CHILDREN WITH UPPER BRACHIAL PLEXUS BIRTH INJURY BEFORE AND AFTER INSTITUTION OF SUP-ER PROTOCOL.
V Wong, K Durlacher, D Balumuka, M Bucevska, R Courtemanche and C Verchere, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine BC Children's Hospital
Abstract 335

TRANSCRANIAL MAGNETIC STIMULATION IN PEDIATRIC EPILEPSY: VALIDATION OF A NONINVASIVE, PRESURGICAL MOTOR MAPPING TECHNIQUE.
A Mehta, S Schramm, KI Auguste and PE Tarapore, Fremont, CA; San Francisco, CA; Munchen, Germany; Berkeley, CA. University of California San Francisco Western University of Health Sciences University of California Berkeley
Abstract 336

OPEN CHEST DURATION FOLLOWING CONGENITAL CARDIAC SURGERY INCREASES RISK FOR SURGICAL SITE INFECTION.
Z Feng, S Schofield, E Downs, S Newman, D Campbell, MB Mitchell, J Jaggers and M
Stone, Aurora, CO. *University of Colorado Denver School of Medicine (WSMRF)*
Abstract 337

2:23 COMPLEX WOUND MANAGEMENT USING NEGATIVE PRESSURE WOUND THERAPY WITH INSTILLATION AND RETICULATED OPEN CELL FOAM DRESSING WITH THROUGH HOLES.
*M Gruber, E O'Rorke and A Gabriel, Vancouver, WA; Loma Linda, CA. Elson S Floyd College of Medicine*

Abstract 338

2:27 QUESTIONS AND ANSWERS