

**2016 WESTERN REGIONAL MEETING  
PROGRAM AT-A-GLANCE  
Carmel, California**

**January 28-30, 2016**

<b>TIME</b>	<b>ACTIVITY &amp; LOCATION</b>
	<b>THURSDAY, JANUARY 28, 2016</b>
<b>8:00 am – 5:00 pm</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>
<b>8:00 am – 5:00 pm</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>9:00 am – 11:30 am</b>	<b>WAP Symposium</b> <b>Diseases without Borders</b> <i>Studio 105</i>
<b>9:30 am – 12:00 pm</b>	<b>WSPR Council Meeting</b> <i>Sunset Center – Bingham #3</i>
<b>11:00 am – 12:00 pm</b>	<b>How to Choose a Residency with a Research Focus</b> Bring own lunch Open to all students <i>Sunset Center – Chapman #4</i>
<b>11:35 am – 12:30 pm</b>	<b>New Investigator Workshops</b> <i>(Intended for Fellows and Jr. Faculty – Additional charge of \$10 and lunch will be provided)</i>  <b>Finding Your Niche in Research</b> <i>Nevin Wilson, MD, University of Nevada School of Medicine, Las Vegas</i> <i>Marybeth Hogan, MD, University of Nevada School of Medicine, Las Vegas</i> <i>Sunset Center – Green Room</i>
<b>11:35 am – 12:00 pm</b>	<b>WAP Business Meeting</b> <i>Studio 105</i>
<b>12:30 pm – 2:30 pm</b>	<b>Concurrent Sessions</b> <i>Sunset Center</i>  Adolescent Medicine and General Pediatrics I – <i>Carpenter Hall</i> Cardiovascular I – <i>Promenade Lobby</i> Endocrinology and Metabolism I – <i>Bingham #3</i> Health Care Research I – <i>Babcock #6</i> Immunology and Rheumatology I – <i>Chapman #4</i> Infectious Diseases I – <i>Conductor's Room</i> Neonatal Pulmonary I – <i>Rehearsal Room</i> Neonatology General I – <i>Studio 105</i>
<b>2:35 pm – 3:25 pm</b>	<b>Carmel Research Prize Recipient Presentation I</b> Cinnamon S. Bloss, PhD, <i>University of California San Diego</i> Henry Lee, MD, <i>Stanford University</i> (all invited) <i>Sunset Center - Studio 105</i>

<p><b>3:30 pm – 6:00 pm</b></p>	<p style="text-align: center;"><b>Concurrent Sessions</b> <i>Sunset Center</i></p> <p>Cardiovascular II – <i>Promenade Lobby</i>  Community Health I – <i>Carpenter Hall</i>  Global Health – <i>Conductor’s Room</i>  Hematology and Oncology I – <i>Green Room</i>  Neonatal Pulmonary II – <i>Rehearsal Room</i>  Neonatology General II – <i>Babcock #6</i>  Neuroscience I – <i>Chapman #4</i>  Pulmonary and Critical Care I – <i>Studio 105</i>  Surgery I – <i>Bingham Room #3</i></p>
<p><b>6:00 pm – 7:30 pm</b></p>	<p style="text-align: center;"><b>Welcome Reception and Poster Session</b> <i>Jointly sponsored by</i></p> <p style="text-align: center;"><b>WAFMR, WAP, WSCI, WSMRF, and WSPR</b>  All welcome and encouraged to attend (Shuttle provided from Sunset Center)  <i>Carmel Mission Inn – Carmelo Ballroom</i>  3665 Rio Road, Carmel, CA 93923</p>
<p><b>7:00 pm – 9:00 pm</b></p>	<p style="text-align: center;"><b>Abbott Nutrition WSPR Reception</b>  Open to all WSPR members, trainees, and guests  <i>Poseidon Room, La Playa Hotel</i></p>
<p><b>7:00 pm – 9:00 pm</b></p>	<p style="text-align: center;"><b>WAP Council Meeting</b>  <i>(by invitation only)</i>  <i>St. Tropez Restaurant - Dolores Avenue between Ocean and Seventh</i></p>
<p><b>7:00 pm – 9:00 pm</b></p>	<p style="text-align: center;"><b>WAFMR Business Meeting</b>  <i>(by invitation only)</i>  <i>Forge in the Forest</i></p>
<p><b>FRIDAY, JANUARY 29, 2016</b></p>	
<p><b>7:00 am – 8:00 am</b></p>	<p style="text-align: center;"><b>How Do I Join the WSMRF Student Board of Directors?</b>  <i>Carmel Mission Inn – Lobby</i></p>
<p><b>8:00 am – 5:00 pm</b></p>	<p style="text-align: center;"><b>Registration</b>  <i>Sunset Center – Entry Lobby</i></p>
<p><b>8:00 am – 5:00 pm</b></p>	<p style="text-align: center;"><b>Speaker Ready Room</b>  <i>Sunset Center</i></p>
<p><b>8:00 am – 11:40 am</b></p>	<p style="text-align: center;"><b>Joint Plenary Session</b>  <b>Diseases without Borders</b>  <b>WAFMR, WSCI, WAP, and WSPR</b>  <i>Sunset Center – Theater</i></p> <p>WSCI Outstanding Investigator Award  WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award  WSPR Abbott Nutrition Lowell Glasgow Student Research Award  WSPR Abbott Nutrition Young Investigator Research Award  WSPR Joseph W. St. Geme, Jr. Education Award  E.E. Osgood Award  WAFMR Outstanding Investigator Award  WSPR Stanley Wright Lecture  WAP Distinguished Lecture  Mayo Soley Award Presentation</p>

<p><b>11:15 am – 12:15 pm</b></p>	<p align="center"><b>Meet the Mentors: Lunch with Carmel Research Prize Recipients</b>  <b>Panel Discussion</b>  <i>(Intended for Students and Residents)</i></p> <p>Cinnamon S. Bloss, PhD, <i>University of California San Diego</i>  Henry Lee, MD, <i>Stanford University</i>  Melanie Cree Green, MD, PhD, <i>University of Colorado School of Medicine</i>  Jose R Suarez, MD, MPH, PhD, <i>University of California San Diego</i>  <i>(limited availability 45, Additional charge of \$10 and lunch will be provided)</i>  <i>Sunset Center - Studio 105</i></p>
<p><b>11:40 am – 12:30 pm</b></p>	<p align="center"><b>Investigator Workshop</b>  <i>(Intended for Fellows and Jr. Faculty)</i>  <i>(Additional charge of \$10 and lunch will be provided)</i></p> <p align="center"><b>How To Pick a Good Scientific Question</b>  <i>W. Conrad Liles, University of Washington</i>  <i>Sunset Center – Green Room</i></p>
<p><b>11:40 am – 12:00 pm</b></p>	<p align="center"><b>WSCI Society Business Meetings</b>  <i>Sunset Center – Theater</i></p>
<p><b>11:40 am – 12:00 pm</b></p>	<p align="center"><b>WSPR Business Meeting</b>  <i>Sunset Center – Theater</i></p>
<p><b>12:30 pm – 2:30 pm</b></p>	<p align="center"><b>Concurrent Sessions</b>  <i>Sunset Center</i></p> <p>Adolescent Medicine and General Pediatrics II – <i>Studio 105</i>  Cardiovascular III – <i>Promenade Lobby</i>  Endocrinology and Metabolism II – <i>Bingham #3</i>  Gastroenterology – <i>Babcock #6</i>  Genetics – <i>Rehearsal Room</i>  Neonatal Pulmonary III – <i>Carpenter Hall</i>  Neonatology General III – <i>All Saints Church, Seccombe Hall</i>  Neonatology – Perinatal Biology I – <i>Chapman #4</i>  Surgery II – <i>Conductor’s Room</i></p>
<p><b>1:00 pm – 5:30 pm</b></p>	<p align="center"><b>California Thoracic Society Meeting</b>  <i>Quail Lodge</i>  8205 Valley Greens Drive, Carmel, CA 93923</p>
<p><b>2:35 pm – 3:25 pm</b></p>	<p align="center"><b>Carmel Research Prize Recipient Presentation II</b>  Melanie Cree Green, MD, PhD, <i>University of Colorado School of Medicine</i>  Jose R Suarez, MD, MPH, PhD, <i>University of California San Diego</i>  <i>(all invited)</i>  <i>Sunset Center - Studio 105</i></p>
<p><b>3:30 pm – 6:00 pm</b></p>	<p align="center"><b>Concurrent Sessions</b>  <i>Sunset Center</i></p> <p>Behavior and Development I - <i>Chapman #4</i>  Community Health II – <i>Promenade Lobby</i>  Health Care Research II – <i>Babcock #6</i>  Hematology and Oncology II – <i>Carpenter Hall</i>  Infectious Diseases II – <i>Bingham Room #3</i>  Morphogenesis and Malformations – <i>Rehearsal Room</i>  Neonatology General IV – <i>All Saints Church, Seccombe Hall</i></p>

	Nephrology and Hypertension – <i>Green Room</i> Neuroscience II – <i>Conductor’s Room</i> Surgery III – <i>Studio 105</i>
6:00 pm – 7:30 pm	<b>University of Washington Reception</b> All UW faculty, fellows, residents and students invited <i>Mission Ranch - 26270 Dolores Street</i>
6:15 pm – 7:15 pm	<b>Genetics and Morphology Club</b> <i>Sunset Center – Rehearsal Room</i>
6:30 pm – 9:30 pm	<b>Western Respiratory Club Dinner</b> <i>Quail Lodge -Ballroom</i> 8205 Valley Greens Drive, Carmel, CA 93923
6:30 pm – 9:00 pm	<b>Western Perinatal Club</b> <i>LaPlaya Hotel</i>
<b>SATURDAY, JANUARY 30, 2016</b>	
8:00 am – 12:00 pm	<b>Speaker Ready Room</b> <i>Sunset Center</i>
8:00 am – 10:00 am	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>
8:00 am – 10:00 am	<b>Concurrent Sessions</b> <i>Sunset Center</i>  Adolescent Medicine and General Pediatrics III – <i>Rehearsal Room</i> Community Health III – <i>Conductor’s Room</i> Endocrinology and Metabolism III – <i>Bingham Room #3</i> General Internal Medicine and Aging – <i>Babcock #6</i> Neonatology General V – <i>Carpenter Hall</i> Neonatology Perinatal Biology II – <i>Studio 105</i> Pulmonary and Critical Care II – <i>Promenade Lobby</i> Surgery IV – <i>Green Room</i>
10:00 am – 10:15 am	<b>Break</b>
10:15 am – 11:45 am	<b>Concurrent Sessions</b> <i>Sunset Center</i>  Adolescent Medicine and General Pediatrics IV– <i>Rehearsal Room</i> Health Care Research III – <i>Babcock #6</i> Hematology and Oncology III – <i>Green Room</i> Immunology and Rheumatology II – <i>Conductor’s Room</i> Neonatal Pulmonary IV – <i>Bingham Room #3</i> Neonatology General VI – <i>Carpenter Hall</i> Neonatology Perinatal Biology III – <i>Promenade Lobby</i> Neuroscience III – <i>Chapman #4</i>
11:50 am – 2:00 pm	<b>Society Officers Planning Meeting</b> <i>(by invitation only)</i> <i>Sunset Center - Studio 105</i>
1:30 pm – 5:30 pm	<b>California Thoracic Society Meeting</b> <i>Quail Lodge</i>

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## CME CERTIFICATION

This Live activity, 2016 Western Regional Meeting, with a beginning date of January 28, 2016, has been reviewed and is acceptable for up to 21.50 Prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

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

You will receive the link and instructions in your **Email Inbox on Monday, February 1, 2016**. If you do not receive your link to the evaluation in your email inbox, please contact us at [admin@afmr.org](mailto:admin@afmr.org). Original certificates for this conference may be claimed until **February 29, 2016**. Duplicate certificates are available at any time.

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We would also like to thank the following for reviewing the abstracts and to the Lead Reviewer's for organizing the sessions:

Margaret Adam	Josephine M. Enciso	Henry C. Lin
Kurt Albertine	Erika Fernandez	Carlin Long
Kathleen Angkustsiri	Camille Fung	Bryan J. McColgan
Jorge N. Artaza	Renata Gallagher	Philippe Montgrain
Maralyssa Bann	Peter Ganz	Yona Nicolau
Jennifer L. Barton	David Gilbert	Jorge Nieva
Michel Baudry	Joshua I. Goldhaber	Lee Pu
Arlin B. Blood	Subhas Gupta	Mary Ramos
Yvette Bordelon	Kellie Hawkins	Ann Reynolds
Laura D. Brown	Deborah Huang	Robert S. Ross
Fred Buckner	Kenneth E. Izuora	Michael Schivo
Christopher Chang	Vipul Jain	Neil Sun Rhodes
Marie-Francoise Chesselet	Lauren Jantzie	Nicole Tartaglia
Michel Chonchol	Marilyn Jones	Kristina M. Utzschneider
Keith K. Colburn	Lisa Joss-Moore	David Viskochil
Lloyd Damon	Alberta Kong	Raj Vyas
Kevin Deane	Kristina Lee	James Wallace
Ian H. DeBoer	Edward Lee	Craig Wong
Thomas Deloughery	Henry C. Lee	Clyde Wright
Sarah Dugan	Juan N. Lessing	
Ravi Durvasula	W. Conrad Liles	

## 2016 WESTERN REGIONAL MEETING AWARD WINNERS

Leslie Colip, University of New Mexico Health Science Center	<i>WSPR Mead Johnson Travel Award Winner</i>
Yasmin Aghajan, University of California, San Diego	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
McHale Anderson, University of Washington School of Medicine	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Eleonore Breuning, BC Children's Hospital	<i>WAFMR Scholar Awardee</i>
Amy Cruickshank, University of Oklahoma	<i>WAFMR Scholar Awardee</i>
Sarah Daley, University of Arizona	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Shanlee Davis, University of Colorado	<i>WAFMR Scholar Awardee</i>
Sarah Dill, University of Colorado	<i>WSCI Travel Award Winner</i>
Dawn Gano, University of California, San Francisco	<i>WSPR Mead Johnson Travel Award Winner</i>
Theodore Gobillot, Fred Hutchinson Cancer Research Center	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Megan Gossling, University of Colorado	<i>WSPR Mead Johnson Travel Award Winner</i>
Linh Ho, University of Colorado School of Medicine	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Lauren Jantzie, University of New Mexico	<i>WSPR Abbott Nutrition Young Investigator Award</i>
Naima Kotadia, University of British Columbia	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Brooks Kuhn, UC Davis Medical Center	<i>WAFMR Scholar Awardee</i>
Julia Lee, UC Davis Medical Center	<i>WSCI Travel Award Winner</i>
Jina Lim, University of California, Los Angeles	<i>WAFMR Scholar Awardee</i>
Ivy Lin, University of Arizona	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Sonia Lin, University of Southern California	<i>WSCI Travel Award Winner</i>
Katherine Lind, University of Colorado School of Medicine	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Brianna MacQueen, University of Utah	<i>Abbott Subspecialty Award</i>
Sidharth Mahapatra, University of Nebraska Medical Center	<i>WSCI Travel Award Winner</i>
Deepti Mathur, LAC + USC Medical Center, Children's Hospital Los Angeles	<i>Abbott Subspecialty Award</i>
Natalia Moss, University of New Mexico	<i>Abbott Subspecialty Award</i>
Dilip Nagarkar, University of Washington	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Maide Ozen, Stanford University School of Medicine	<i>WAFMR Scholar Awardee</i>
David Pavlik, University of New Mexico	<i>WAFMR/WAP Outstanding Resident Award Winner</i>

Amelie Peisl, University of Colorado Medical School	<i>Abbott Subspecialty Award</i>
Edmund Posadas, University of California, San Diego	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Melody Rasouli, University of Southern California Keck School of Medicine	<i>Abbott Subspecialty Award</i>
Rebecca Rieger, University of New Mexico	<i>Abbott Subspecialty Award</i>
Katya Rubinow, University of Washington	<i>WSCI Travel Award Winner</i>
Maura Ruzhnikov, Stanford University	<i>WSPR Mead Johnson Travel Award Winner</i>
Takeshi Saito, University of Southern California	<i>WAFMR Outstanding Investigator Award Winner</i>
Lawrence Shiow, University of California, San Francisco	<i>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner</i>
Ann Simones, University of Minnesota, Masonic Children's Hospital	<i>WSPR Mead Johnson Travel Award Winner</i>
Sonia Solomon, Valley Children's Hospital	<i>WSPR Outstanding Resident Award Winner</i>
Caitlin Stiglmeier, University of Utah, Mota Fofalia Children's Hospital	<i>WSCI Travel Award Winner</i>
Abhilasha Surampalli, University of California, Irvine	<i>Abbott Subspecialty Award</i>
Clara Vu, Loma Linda University	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Tarik Walker, University of Colorado School of Medicine	<i>WAFMR Scholar Awardee</i>
Brian Walsh, University of Colorado School of Medicine	<i>WSPR Abbott Nutrition Lowell Glasgow Student Research Award Winner</i>
Claudia Weinheimer, University of Utah	<i>Abbott Subspecialty Award</i>
Theodore Wilson, University of Utah	<i>WSPR Mead Johnson Travel Award Winner</i>
Jonathan Yaghoubian, Western University of Health Sciences	<i>WAFMR/WAP Student Subspecialty Award Winner</i>
Xin Yue, Cedars Sinai Medical Center	<i>E.E. Osgood Award</i>
Evan Zahn, Cedars Sinai Medical Center	<i>WSCI Travel Award Winner</i>

**SPECIALTY CLUB ANNOUNCEMENTS**

**Friday, January 29, 2016**

**GENETICS AND MORPHOLOGY CLUB**

**6:15 PM – 7:15 PM**

*Rehearsal Room – Sunset Center*

**Genetic Unknowns and Rare Knowns**

Contact person: Joseph Shieh, and Jon Bernstein

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**WESTERN PERINATAL CLUB**

*Sponsored by the Perinatal Sections of AAP Districts VIII and IX  
and*

*The California Association of Neonatologists  
LaPlaya Carmel Hotel*

**6:00 PM – Reception**

**6:30 - 7:30 PM  
Perinatal Briefing**

**DELAYED CORD CLAMPING: TRANSFERRING EVIDENCE INTO PRACTICE**

*Featured Speaker: Ryan McAdams, MD, University of Washington*

*Supported by Mead Johnson Nutrition*

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**WESTERN ASSOCIATION OF PHYSICIANS**  
**DISEASES WITHOUT BORDERS**

**Thursday, January 28, 2016**  
**9:00 AM – 11:30 AM**  
*Sunset Center – Studio 105*

*W. Conrad Liles and Ravi Durvasula, Presiding*

**9:00 THE GLOBAL LEISHMANIA EPIDEMIC: TRANSLATIONAL STRATEGIES FOR CONTROL.**

*Abhay Satoskar, Ohio State University School of Medicine*

**9:45 GLOBAL TRENDS IN CHAGAS DISEASE.**

*Caryn Bern, University of California, San Francisco School of Medicine*

**10:30 BREAK**

**10:45 GLOBAL BURDEN OF CARDIOVASCULAR DISEASE.**

*Gregory A. Roth, University of Washington*

**11:30 ADJOURN**

**11:35 WAP BUSINESS MEETING**

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**INVESTIGATOR WORKSHOP**

**Thursday, January 28, 2016**  
**11:35 AM – 12:30 PM**

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. *Additional charge of \$10 and lunch will be provided.*

**FINDING YOUR NICHE IN RESEARCH**

*Nevin Wilson, MD, University of Nevada School of Medicine, Las Vegas*  
*Marybeth Hogan, MD, University of Nevada School of Medicine, Las Vegas*

*Sunset Center – Green Room*

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**CONCURRENT SESSIONS**

**Thursday, January 28, 2016**

**12:30 PM – 2:30 PM**

*Jointly sponsored by*

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

**Adolescent Medicine and General Pediatrics I .....Carpenter Hall  
Cardiovascular I.....Promenade Lobby  
Endocrinology and Metabolism I.....Bingham #3  
Health Care Research I.....Babcock #6  
Immunology and Rheumatology I.....Chapman #4  
Infectious Diseases I.....Conductor’s Room  
Neonatal Pulmonary I.....Rehearsal Room  
Neonatology – General I.....Studio 105**

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**Adolescent Medicine and General Pediatrics I**

Carpenter Hall (Sunset Center)

*Craig Wong and Walter Dehority, Presiding*

**12:30 PREDICTING HEIGHT IN A PEDIATRIC INTENSIVE CARE UNIT USING  
ULNAR LENGTH.**

*MA Rasouli, CJ Newth, RG Khemani and PA Ross, Los Angeles, CA. University of  
Southern California Keck School of Medicine (Abbott Subspecialty Award)*

Abstract 1

**12:45 MODALITY OF TREATMENT OF PATIENTS WITH DIARRHEAL HUS IN  
ACUTE RENAL FAILURE DOES NOT AFFECT LONG TERM OUTCOME AND  
SURVIVAL IN PEDIATRIC PATIENTS.**

*S Solomon, Fresno, CA. Valley Children's Hospital (WSPR Outstanding Resident Award  
Winner)*

Abstract 2

**1:00 AN UNUSUAL PRESENTATION OF A HIGHLY MALIGNANT TUMOR.**

*S Bhoopalan and SU Das, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 3

**1:15 COMPARISON OF HEAD CT USAGE BY PEDIATRIC EMERGENCY  
MEDICINE PROVIDERS IN CHILDREN WITH HEAD INJURY BEFORE AND  
AFTER PECARN GUIDELINES.**

*K Morgan, M Hudkins, H Chandnani, D Chao and J Fisher, Las Vegas, NV; Loma Linda, CA and San Diego, CA. University of Nevada School of Medicine*

Abstract 4

**1:30 A RETROSPECTIVE DATABASE REVIEW OF POTENTIAL RISK FACTORS, PREDICTORS AND INCIDENCE OF POST-CONCUSSION SYNDROME IN PEDIATRIC PATIENTS.**

*Z Oleskey and M Mortazavi, Tucson, AZ. University of Arizona College of Medicine*

Abstract 5

**1:45 EVALUATING TRENDS IN HEADACHE AND REVISION SURGERY FOLLOWING CRANIAL VAULT REMODELING FOR CRANIOSYNOSTOSIS.**

*E Pellicer, B Saltzmann and E Gallagher, Seattle, WA. University of Washington / Seattle Children's Hospital*

Abstract 6

**2:00 ASSOCIATION BETWEEN MINIMAL RESIDUAL DISEASE AND MITOCHONDRIAL DNA IN CHILDHOOD B-CELL LYMPHOMA.**

*T Shieh, M Ueoka, K Kaneta, C Nakamura, J Kuroda, M Agsalda-Garcia and B Shiramizu, HI, HI. John A. Burns School of Medicine*

Abstract 7

**2:15 HOSPITAL COURSE OF PEDIATRIC PATIENTS ADMITTED FOR INTUSSUSCEPTION.**

*J Orosco and B Afghani, Anaheim, CA; Long Beach, CA and Irvine, CA. Children's Hospital of Orange County*

Abstract 8

**Cardiovascular I**

Promenade Lobby (Sunset Center)

*Peter Ganz and Carlin Long, Presiding*

**12:30 DOES INFECTION TRIGGER THE IMMUNE SYSTEM FOR REJECTION OR ANTIBODY PRODUCTION AFTER HEART TRANSPLANTATION?**

*A Lipson, T Aintablian, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 9

**12:45 IS CHRONIC LUNG DISEASE FEV1/FVC <70% A MARKER FOR PROLONGED INTUBATION IMMEDIATELY POST-TRANSPLANTATION?**

*T Manayan, T Aintablian, S Siddiqui, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 10

**1:00 RESOURCE UTILIZATION IN THE STATE OF CALIFORNIA FOR NEONATES WITH HYPOPLASTIC LEFT HEART SYNDROME.**

*M Luu, PS Friedlich, J Votava-Smith, J Pruetz, R Subramanyan and A Lakshmanan, Los*

Angeles, CA. *Children's Hospital Los Angeles*

Abstract 11

**1:15 IS THE INCIDENCE OF ATRIAL SEPTAL DEFECTS INCREASED IN EXTREMELY LOW BIRTH WEIGHT INFANTS?**

*C Hayek, M Ebrahimi, R Cayabyab, M Uzunyan, R Ramanathan and B Siassi, Los Angeles, CA. LAC+ USC Medical Center*

Abstract 12

**1:30 TRANS-CATHETER CLOSURE OF PATENT DUCTUS ARTERIOSUS IN SEVERELY PREMATURE NEONATES: A NEW TECHNIQUE FOR A VEXING PROBLEM.**

*D Peck, E Zahn, R Garg, A Phillips, M McRae, C Simmons, P Nevin and K Basacker, Los Angeles, CA. Cedars-Sinai (WSCI Travel Award Winner)*

Abstract 13

**1:45 CELIAC TRUNK CALCIFICATION: ASSOCIATIONS WITH RISK FACTORS, SYSTEMIC CALCIFIED ATHEROSCLEROSIS, AND MORTALITY.**

*T Lin and M Allison, San Diego, CA. University of California, San Diego*

Abstract 14

**2:00 ORGAN TURN DOWN AT A SINGLE CENTER: DONOR HEART ORGAN TURN DOWN, IS IT RATIONAL?**

*E Norris, T Aintablian, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 15

**Endocrinology and Metabolism I**

Bingham Room #3 (Sunset Center)

*Kristen Nadeau and Stephanie Page, Presiding*

**12:30 GROWTH HORMONE IS INVOLVED IN HUMAN COLON TUMOR GROWTH.**

*CA Bailey, V Chesnokova, S Zonis and S Melmed, Chino Hills, CA and Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 16

**12:45 FOLLISTATIN PROTECTS AGAINST DIET-INDUCED OBESITY AND IMPROVES GLOBAL METABOLOMICS IN ADIPOSE TISSUES.**

*R Singh, ST Reddy, M Braga, X Liu, M Parveen, D Stout, K Reue, S Pervin Los Angeles, CA. Charles R. Drew University*

Abstract 17

**1:00 ESCALATING DOSES OF TESTOSTERONE INCREASE LEAN BODY MASS AND HEMATOCRIT WITHIN THREE MONTHS, IN HEALTHY MEDICALLY CASTRATE MEN.**

*A Thirumalai, L Cooper, J Amory and S Page, Seattle, WA. University of Washington*

Abstract 18

- 1:15 CYSTIC FIBROSIS RELATED DIABETES IS A PREDICTOR OF INCREASED INCIDENCE OF CHRONIC *PSEUDOMONAS AERUGINOSA*.**  
*MA Szkudlinska, M Crull, E Caldwell, ML Aitken and CH Goss, Seattle, WA. University of Washington*  
Abstract 19
- 1:30 NON-ALCOHOLIC FATTY LIVER DISEASE IN OBESE ADOLESCENT GIRLS IS ASSOCIATED WITH INSULIN RESISTANCE AND PREDICTORS OF CARDIOMETABOLIC DISEASE.**  
*RL Sewell, L Pyle, A Scherzinger, M Cree-Green and K Nadeau, Aurora, CO. University of Colorado School of Medicine*  
Abstract 20
- 1:45 THE EFFECT OF OBESITY AND INSULIN RESISTANCE ON REPRODUCTIVE FUNCTION IN EARLY PUBERTAL BOYS.**  
*M Tsang, K Nadeau, A Hilkin, J Chosich, PE Zeitler, N Santoro and M Kelsey, Berkeley, CA and Aurora, CO. University of California, Berkeley*  
Abstract 22
- Health Care Research I**  
Babcock #6 (Sunset Center)  
*David Evans and Brian Walker, Presiding*
- 12:30 INTENSE THERAPEUTIC ULTRASOUND IN THE MANAGEMENT OF PATIENTS WITH CHRONIC PLANTAR FASCIITIS.**  
*DN Christensen, L Latt and A McNelly, Tucson, AZ. University of Arizona*  
Abstract 23
- 12:45 A BIOFEEDBACK SMART CANE TO REDUCE KNEE LOADING ASSOCIATED WITH OSTEOARTHRITIS.**  
*M Hinchcliff, R Routson, A Segal, P Suri, J Czerniecki and P Aubin, Seattle, WA. University of Washington*  
Abstract 24
- 1:00 A REVIEW OF THE CHARACTERISTICS OF VALIDATED QUALITY OF LIFE (QOL) PATIENT REPORTED OUTCOME MEASURES (PROMS) IN PAEDIATRIC PLASTIC SURGERY.**  
*JM Roller, RJ Courtemanche and DJ Courtemanche, Vancouver, BC, Canada. British Columbia's Children Hospital*  
Abstract 25
- 1:15 REDUCING EXPOSURE OF HEALTH CARE JANITORIAL WORKERS TO PERACETIC ACID, SPORICIDAL TO *CLOSTRIDIUM DIFFICILE*.**  
*LW Raymond, P Klasing, M Daniel and J Fuller, Charlotte, NC. University of North Carolina, Chapel Hill*  
Abstract 26

- 1:30 EMERGENCY PHYSICIAN UTILIZATION OF ULTRASOUND IN ARIZONA.**  
*MT Wyman, R Amini, NC Hernandez and S Adhikari, Tucson, AZ. University of Arizona College of Medicine*  
Abstract 27
- 1:45 EXPLORING PALLIATIVE CARE CONSULTATIONS IN THE NEURO-INTENSIVE CARE UNIT.**  
*LN Tran, A Back and C Creutzfeldt, Seattle, WA. University of Washington School of Medicine*  
Abstract 28
- 2:00 FACTORS AFFECTING PATIENTS' DISCUSSIONS ABOUT END-OF-LIFE CARE.**  
*S Fakhri, R Engelburg, L Downey and JR Curtis, Covington, WA and Seattle, WA. University of Washington*  
Abstract 29
- 2:15 SEROLOGIC IMMUNITY AGAINST VARICELLA, MUMPS, RUBEOLA, RUBELLA AND HEPATITIS B IN HEALTH CARE APPLICANTS WITH INDETERMINATE IMMUNIZATION HISTORY.**  
*LW Raymond, A McWilliams and L Crutchfield, Charlotte, NC. University of North Carolina, Chapel Hill*  
Abstract 30
- Immunology and Rheumatology I**  
Chapman #4 (Sunset Center)  
*Kevin Deane, Presiding*
- 12:30 ALTERATIONS IN THE COLONIC MICROBIOME PRECEDE THE DEVELOPMENT OF RHEUMATOID ARTHRITIS.**  
*JD Hendrickson, G Mehta, N Banda, C Robertson, D Frank, K Demourelle, K Deane and K Kuhn, Aurora, CO. University of Colorado*  
Abstract 31
- 12:45 TREATMENT OF IGG4-RELATED PACHYMENINGITIS IN A PATIENT WITH STEROID INTOLERANCE: THE ROLE OF EARLY USE OF RITUXIMAB.**  
*V Gospodarev, JR Câmara, V Chakravarthy, R Dietz, M Wood, A Perry, K De Los Reyes and R Raghavan, San Francisco, CA and Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 32
- 1:00 CLINICAL AND DEMOGRAPHIC FACTORS ASSOCIATED WITH FATIGUE IN SPONDYLOARTHRITIS.**  
*DT Nhan, J Walsh, A Reimold and L Caplan, Aurora, CO; Dallas, TX and Salt Lake City, UT. University of Colorado School of Medicine*  
Abstract 33

**1:15 DETERMINING THE ROLE OF THE TYK2 PROTECTIVE VARIANT P1104A IN INTERLEUKIN-12 SIGNALING AND HELPER T CELL TYPE 1 POLARIZATION.**

*A Misakian, Seattle, WA. University of Washington School of Medicine*

Abstract 34

**1:30 SPUTUM IGG AND IGA ANTI-CYCLIC CITRULLINATED PROTEIN ANTIBODIES IN SUBJECTS AT RISK FOR RHEUMATOID ARTHRITIS.**

*L Ho, K Demoruelle, M Weisman, M Parish, M Mahler, A Seaman, J Norris, M Holers and K Deane, Littleton, CO; Los Angeles, CO and San Diego, CA. University of Colorado School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 35

**1:45 LABORATORY ASSAYS FOR AIDING THE DIAGNOSIS OF CHRONIC URTICARIA.**

*TB Martins, RA Teufel and HR Hill, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology*

Abstract 36

**2:00 GRANZYME A IS INCREASED IN PLATELETS FROM OLDER ADULTS, LEADING TO IL-8 AND MCP-1 CYTOKINE SYNTHESIS BY TARGET MONOCYTES.**

*A Bhatnagar, R Campbell, B Manne, A Weyrich and MT Rondina, Sandy, UT. University of Utah*

Abstract 37

**2:15 TUMOR NECROSIS FACTOR-ALPHA (TNF-A) RESPONSE AND MYCOBACTERIUM TUBERCULOSIS (MTB) REPLICATION IN HSP90B1 KNOCKDOWN MACROPHAGES.**

*A Ajuogu, A Graustein and T Hawn, Seattle, WA. University of Washington*

Abstract 38

**Infectious Diseases I**

Conductor's Room

*Ravi Durvasula, Fred Buckner and David Gilbert, Presiding*

**12:30 USE OF ANTIBIOTICS IN TREATMENT OF CHILDREN DIAGNOSED WITH ESCHERICHIA COLI 0157:H7 DIARRHEA AND RISK OF DEVELOPING HEMOLYTIC UREMIC SYNDROME (HUS): REVIEW OF THE LITERATURE.**

*NN More, N Cheranda, J Rozenblit, J Kim, Y Kim, N Baskaran, M Vyakaranam and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine*

Abstract 39

**12:45 HIV TESTING, STATUS, AND TREATMENT AMONG PATIENTS AT THE UGANDA CANCER INSTITUTE.**

*M Ghadrshenas, R Bender Ignacio and A Duerr, Seattle, WA. University of Washington*

Abstract 40

**1:00 NON-TYPE B HAEMOPHILUS INFLUENZAE PYOGENIC ARTHRITIS IN CHILDREN.**

*DF Pavlik, JJ Johnston and W Dehority, Albuquerque, NM. University of New Mexico*

Abstract 41

**1:15 ROLE OF IGG SUBCLASSES IN MUCOSAL DEFENSE OF STREPTOCOCCUS PNEUMONIAE.**

*M Wu, J Rakhola and E Janoff, Aurora, CO. University of Colorado Denver*

Abstract 42

**1:30 USE OF ANTIBIOTICS RESERVED FOR RESISTANT GRAM-NEGATIVE INFECTIONS AT FREE-STANDING U.S. CHILDREN'S HOSPITALS FROM 2004 TO 2014.**

*M Jelic, AL Adler, A Miles-Jay, SJ Weissman, MP Kronman and DM Zerr, Seattle, WA. University of Washington*

Abstract 43

**1:45 CYTOTOXIC FUNCTION OF ANTIBODIES PRODUCED BY HIV-SPECIFIC B-CELLS IN AN INFECTED INFANT.**

*T Gobillot, C Simonich and J Overbaugh, Seattle, WA. Fred Hutchinson Cancer Research Center (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 44

**Neonatal Pulmonary I**

Rehearsal Room (Sunset Center)

*Arlin B. Blood and Clyde Wright, Presiding*

**12:30 NEONATAL LUNG EXPRESSION OF IL-1 ALPHA IN RESPONSE TO SYSTEMIC INFLAMMATION.**

*BE Butler, S McKenna and C Wright, Denver, CO. University of Colorado*

Abstract 45

**12:45 YAP-HIPPO VASCULAR SIGNALING DRIVES LUNG MORPHOGENESIS AND IS DYSREGULATED IN HYPEROXIA-INDUCED NEONATAL LUNG INJURY.**

*MS Sandoval, T Shishoian, R Sakurai, E Tsai, R Stockton and VK Rehan, Torrance, CA. Los Angeles Biomedical Research Institute*

Abstract 46

**1:00 CORRECTION FOR ALTITUDE SIGNIFICANTLY CHANGES REPORT RATES FOR BRONCHOPULMONARY DYSPLASIA.**

*K Gulliver and B Yoder, Salt Lake City, UT. University of Utah*

Abstract 47

**1:15 TARGETED INVESTIGATION OF NOVEL MESENCHYMAL STEM CELL BIOMARKERS OF BRONCHOPULMONARY DYSPLASIA IN PREMATURELY**



**BORN INFANTS.**

*RG LaGrandeur, F Bany-Mohammed, C Uy, DM Cooper and M Aslam, Orange, CA.  
University of California Irvine Medical Center*

Abstract 48

**1:30 NEONATAL HEPATIC COX2 EXPRESSION IS MEDIATED VIA AN NFκB-DEPENDENT MECHANISM FOLLOWING INFLAMMATORY STRESS.**

*S McKenna, BE Butler and CJ Wright, Aurora, CO. University of Colorado*

Abstract 49

**1:45 EFFECT OF ELECTRO-ACUPUNCTURE ON OFFSPRING LUNG DEVELOPMENT FOLLOWING NICOTINE EXPOSURE DURING PREGNANCY AND LACTATION.**

*R Sakurai, J Liu and VK Rehan, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center*

Abstract 50

**2:00 TREATMENT WITH AN ANTI-SFLT-1 MONOCLONAL ANTIBODY IMPROVES LUNG STRUCTURE AND PREVENTS PULMONARY HYPERTENSION IN AN EXPERIMENTAL MODEL OF BRONCHOPULMONARY DYSPLASIA DUE TO PREECLAMPSIA IN INFANT RATS.**

*A Peisl, G Seedorf, B Wallace, D Keefe and SH Abman, Aurora, CO and Cambridge, MA. University of Colorado Medical School (Abbott Subspecialty Award)*

Abstract 51

**2:15 LARYNGEAL MASK AIRWAY FOR SURFACTANT ADMINISTRATION IN NEONATES.**

*KD Roberts, N Finer, A Lampland, T Leone, J Tipnis, T Merritt, E Stepka, J Kessel, W Rich, K Rudser, R Brown and M Mammel, Minneapolis, MN; St Paul, MN; San Diego, CA; Loma Linda, CA; and Madison, WI. University of Minnesota Masonic Children's Hospital*

Abstract 52

**Neonatology General I**

Studio 105 (Sunset Center)

*Carlos Ramos and Erika Fernandez, Presiding*

**12:30 THE SPLANCHNIC-CEREBRAL OXYGENATION RATIO DECREASES DURING FEEDINGS IN ANEMIC PRETERM INFANTS.**

*K Braski, M Loertscher, C Rau, K Weaver Lewis and M Baserga, Salt Lake City, UT and Murray, UT. University of Utah*

Abstract 53

**12:45 BLEEDING RISK FACTORS IN NEONATES RECEIVING FISH OIL FOR INTESTINAL FAILURE ASSOCIATED LIVER DISEASE.**

*KM Keegan, RS Venick, JC Dunn, SB Shew, G Wegrzyn and KL Calkins, Los Angeles,*

**1:00 CLINICAL FACTORS RELATED TO NEONATAL GROWTH IN CONGENITAL DIAPHRAGMATIC HERNIA.**

*RH Beckert, L Lusk, EJ Yee and R Keller, Washington and San Francisco, CA. University of California, San Francisco*

Abstract 55

**1:15 EFFECTS OF PREMATURITY, BIRTH WEIGHT AND POSTNATAL AGE ON PRETERM INFANTS' HYPERCALCIURIA.**

*S Malone Jenkins, G Chan, M Grinsell and K Weaver Lewis, Salt Lake City, UT and Murray, UT. University of Utah*

Abstract 56

**1:30 EVALUATING ALTERNATIVE APPROACHES TO THE MANAGEMENT OF INFANTS BORN TO MOTHERS WITH CHORIOAMNIONITIS.**

*A Jan, R Ramanathan and R Cayabyab, Los Angeles, CA. LAC+USC Medical Center*

Abstract 57

**1:45 LOW FREQUENCY RHYTHMIC WOMB-LIKE SOUNDS MODIFY AUTONOMIC ACTIVITY IN PREMATURE NEONATES.**

*JJ Parga, RM Harper, H Karp, K Kesavan and L Zeltzer, Santa Monica, CA and Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 58

**2:00 REGIONALIZATION OF CARE AND OUTCOMES FOR NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA IN CALIFORNIA 2006-2010.**

*A Song, PS Friedlich, R Chapman, R Burke, J Upperman, J Stein and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles*

Abstract 59

**2:15 EFFECTS OF NEONATAL PHOTOTHERAPY ON PRODUCTION OF KERATIN 6A IN HUMAN FETAL SKIN.**

*J Foreman, S McConaghy, B Zlotoff, S Stepenaskie and RK Ohls, Albuquerque, NM. University of New Mexico School of Medicine*

Abstract 60

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**CARMEL RESEARCH PRIZE RECIPIENT PRESENTATION I**

*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**

*Sunset Center – Studio 105*

**Thursday, January 28, 2016  
2:35 PM – 3:25 PM**

*Ravi Durvasula and W. Conrad Liles, Presiding*

**2:35 IMPACT OF PRIVACY ENVIRONMENTS FOR PERSONAL HEALTH DATA  
ON PATIENTS.**

*Cinnamon S. Bloss, PhD, University of California San Diego*

**3:00 STUDYING THE TRANSLATION OF EVIDENCE INTO PRACTICE AND  
IMPLEMENTATION IN PERINATAL MEDICINE.**

*Henry Lee, MD, Stanford University*

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**CONCURRENT SESSIONS**

**Thursday, January 28, 2016  
3:30 PM – 6:00 PM**

*Jointly sponsored by*

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

**Cardiovascular II.....Promenade Lobby  
Community Health I.....Carpenter Hall  
Global Health.....Conductor’s Room  
Hematology and Oncology I.....Green Room  
Neonatal Pulmonary II.....Rehearsal Room  
Neonatology General II.....Babcock Room #6  
Neuroscience I.....Chapman #4  
Pulmonary and Critical Care I.....Studio 105  
Surgery I.....Bingham Room #3**

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## Cardiovascular II

Promenade Lobby (Sunset Center)

*Robert S. Ross and Peter Ganz, Presiding*

- 3:30** *State-of-the-Art Speaker*  
**BIOLOGY OF CARDIOVASCULAR AGING.**  
*Peter Ganz, University of California, San Francisco*
- 4:00** **PEDIATRIC EKG TEACHING IN UCSF FRESNO PEDIATRIC RESIDENCY.**  
*R Manalo, Fresno, CA. University of California, Fresno*  
Abstract 61
- 4:15** **VENTRICULAR FIBRILLATION WAVEFORM MEASURES DO NOT DISTINGUISH BETWEEN ISCHEMIC AND NON-ISCHEMIC ETIOLOGY OF CARDIAC ARREST.**  
*D Hidano, J Coult and TD Rea, Seattle, WA. University of Washington School of Medicine*  
Abstract 62
- 4:30** **EFFECTS OF TUMOR NECROSIS FACTOR- $\alpha$  IN AN *IN VITRO* MODEL OF AORTIC VALVE STENOSIS.**  
*J Lim, A Ehsanipour, A Wu, J Lu, T Pedego, C Walthers, S Seidlits, L Demer and Y Tintut, Los Angeles, CA. University of California, Los Angeles (WAFMR Scholar Awardee)*  
Abstract 63
- 4:45** **THE IMPACT OF CARDIAC TRANSPLANT REJECTION BY TIME POST-TRANSPLANTATION.**  
*K Bucher, T Aintablian, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*  
Abstract 64
- 5:00** **IDENTIFYING DISABLED PATIENTS AFTER HEART TRANSPLANTATION: WHAT MAKES SENSE?**  
*A Aharonyan, T Aintablian, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*  
Abstract 65
- 5:15** **MATERNAL HIGH FAT DIET AND DEVELOPMENTAL ORIGINS OF MYOCARDIAL DYSFUNCTION.**  
*H Wilde, Y Yang, E Zinkhan, B Yu, L Joss-Moore and TA Miller, Salt Lake City, UT. University of Utah*  
Abstract 66
- 5:30** **CHARACTERIZATION OF HEART TRANSPLANT PATIENTS WITH RAPIDLY PROGRESSIVE CARDIAC ALLOGRAFT VASCULOPATHY.**

*T Aintablian, G Rodriguez, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 67

**5:45 SEIZURES POST HEART TRANSPLANTATION: WHAT ARE THE RISK FACTORS?**

*K Soghoyan, T Aintablian, S Siddiqui, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 68

**Community Health I**

Carpenter Hall

*Mary Barinaga, Presiding*

**3:30 EFFECTS OF BODY MASS INDEX, SELF PERCEPTION AND CULTURE ON SELF ESTEEM IN CHILDREN.**

*KE Ta-ala, S Riantawan, M Chau, N Malika and M Baum, Loma Linda, CA. Loma Linda University*

Abstract 69

**3:45 IMPLEMENTING TEAM-BASED HEALTH PROMOTION PROGRAMS FOR YOUTH IN OREGON CORRECTIONAL FACILITIES.**

*E McCallum, M Smith, D Elliot, L Goldberg, K Racer and R Martin, Portland, OR and Salem, OR. Oregon Health and Science University*

Abstract 70

**4:00 A SURVEY ON COLLEGE STUDENTS SEEKING HEALTHCARE FROM A UNIVERSITY STUDENT HEALTH CENTER: USE AND INTERESTS IN COMPLEMENTARY AND ALTERNATIVE MEDICINE.**

*J Nguyen, RJ Patel, MA Liu and AL Nguyen, Irvine, CA and Tucson, AZ. University of California, Irvine*

Abstract 71

**4:15 ADDRESSING BEHAVIORAL HEALTH IN SENIOR CITIZENS THROUGH A PILOT LAUGHTER THERAPY CLUB IN PALMER, ALASKA.**

*NK Munger, Seattle, WA. University of Washington School of Medicine*

Abstract 72

**4:30 IMPROVING CONCUSSION EDUCATION, DIAGNOSIS, AND MANAGEMENT IN COULEE DAM, WA THROUGH THE DEVELOPMENT OF A PARTNERED CONCUSSION PROTOCOL.**

*K Unruh, Seattle, WA. University of Washington School of Medicine*

Abstract 73

**4:45 EFFECTS OF FOOD AS POSITIVE REINFORCEMENT AND CHILD'S BODY MASS INDEX.**

*S Riantawan, KE Ta-ala, M Chau, N Malika and M Baum, La Habra, CA and Loma*

Linda, CA. *Loma Linda University*

Abstract 74

- 5:00 PARENTAL GUIDANCE OF MEAL PORTIONS AND CHILDHOOD OBESITY.**  
*M Chau, KE Ta-ala, S Riantawan, N Malika and M Baum, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 75

- 5:15 EXAMINING BARRIERS TO EARLY IDENTIFICATION OF ASD IN IMMIGRANT PEDIATRIC PRIMARY CARE PATIENTS.**  
*TD Walker, Aurora, CO. University of Colorado School of Medicine (WAFMR Scholar Awardee)*

Abstract 76

- 5:30 A MULTIFACETED SUICIDE PREVENTION CAMPAIGN FOR RURAL MONTANA.**  
*E Schiedermayer, Seattle, WA. University of Washington School of Medicine*

Abstract 77

- 5:45 LESSONS LEARNED FROM ADOLESCENT PEER EDUCATORS WORKING TO EFFECT CHANGE IN ADOLESCENT HEALTH BEHAVIORS.**  
*C Fields, S Cardenas, G Bookman, K Colwell and R Kinman, Fresno, CA and Madera, CA. Fresno High School*

Abstract 78

### **Global Health**

Conductor's Room

*Tom Nighswander, Presiding*

- 3:30 NEEDS ASSESSMENT OF PRE-HOSPITAL CARE IN NICARAGUA: ADMINISTRATORS' PERSPECTIVES.**  
*L Marcia, R Leuchter, J Mitchel and D Orellana, Los Angeles, CA. David Geffen School of Medicine*

Abstract 79

- 3:45 UNDERSTANDING THE CHALLENGES FOR TREATMENT OF HYPERTENSION IN RURAL VIETNAM.**  
*D Veith, A Fitzpatrick and T Tam, Seattle, WA and Can Tho, Viet Nam. University of Washington School of Medicine*

Abstract 80

- 4:00 ASSESSMENT OF CLEAN WATER FACILITY USAGE AFTER EDUCATIONAL INTERVENTION AND WATER INFRASTRUCTURE IMPROVEMENTS IN A REMOTE HIMALAYAN SCHOOL.**  
*D Raff, B Smith, J Bhatla, C Bhatla, D Soni, B Cheung, K Shih, M Smith, S Browne, T Skutezky, J Fairley and V Kapoor, Vancouver, BC, Canada. University of British Columbia*

Abstract 81

**4:15 DEMOGRAPHICS OF POST-BURN CONTRACTURE PATIENTS TREATED IN CAMBODIA.**

*DR Tower, N Markadakis, K Vanna and JG Gollogly, Seattle, WA and Phnom Penh, Cambodia. University of Washington School of Medicine*

Abstract 82

**4:30 MULTILINGUAL INTIMATE PARTNER VIOLENCE SCREENING AND RESOURCE CARD.**

*N Tan, Seattle, WA. University of Washington*

Abstract 83

**4:45 TEACHING GOOD COMPLEMENTARY FEEDING PRACTICES TO LOW-LITERACY HEALTH PROMOTORS IN PERU.**

*T Shah, Seattle, WA. University of Washington School of Medicine*

Abstract 84

**5:00 FACILITY ASSESSMENT FOR MATERNAL AND NEONATAL HEALTH INTERVENTIONS IN RURAL NEPAL.**

*SM Folsom, B Fassl, A Sherpa, J Maddox, W Kopp and D Levy, Salt Lake City, UT and Phaplu, Nepal. University of Utah School of Medicine*

Abstract 85

**5:15 COMMUNITY PERCEPTIONS AND KNOWLEDGE OF MENTAL ILLNESS IN RURAL KENYA.**

*N Kotadia, S Walton, L Matheson, D Webster and V Kapoor, Vancouver, BC, Canada. University of British Columbia (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 86

**5:30 IMPROVING THE HEALTH OF WOMEN & CHILDREN IN MIGRANT COMMUNITIES.**

*C Stiglmeier, M Patel and B Fassl, Syracuse, NY and Sinor Taluka, India. University of Utah (WSCI Travel Award Winner)*

Abstract 87

**5:45 A COMMUNITY-DRIVEN PILOT PROGRAM TO INCREASE BASIC PEDIATRIC HEALTH KNOWLEDGE AMONGST CHILD CARETAKERS IN KARAGITA, KENYA.**

*TF Siegert, Seattle, WA. University of Washington School of Medicine*

Abstract 88

**Hematology and Oncology I**

Green Room (Sunset Center)

*Thomas Deloughery, Presiding*

**3:30 REGION OF INTEREST IDENTIFICATION AND DIAGNOSTIC ACCURACY IN BREAST PATHOLOGY.**

*DB Nagarkar, E Mercan, D Weaver, M Rendi, P Frederick, T Brunye and J Elmore, Seattle, WA; Burlington, VT and Medford, MA. University of Washington (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 89

**3:45 A NOVEL PEPTIDE-CONJUGATE THAT ACCUMULATES IN SARCOMA FLANK TUMORS AND PREVENTS TUMOR CELL GROWTH IN VITRO.**

*T Sottero, E Girard, C Correnti, M Stroud and J Olson, Seattle, WA. University of Washington*

Abstract 90

**4:00 DEPYROGENATED CHITOSAN AND IL-12 CURE SUPERFICIAL BLADDER CANCER IN A MURINE MODEL.**

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

Abstract 91

**4:15 DISPARITIES IN THE PRESENTATION AND TREATMENT OF NON-SMALL CELL LUNG CANCER: A STUDY COMPARING A COUNTY FACILITY WITH A SPECIALIZED CANCER CENTER.**

*S Lin, G In and J Nieva, Arcadia, CA. University of Southern California (WSCI Travel Award Winner)*

Abstract 92

**4:30 CLOSING THE GAP: ONLINE ONCOLOGY RESOURCES FOR MEDICAL STUDENTS.**

*L Wang, T Kong, W Tran and P Ingledew, Kelowna, BC, Canada; Surrey, BC, Canada and Vancouver, BC, Canada. University of British Columbia*

Abstract 93

**4:45 INVESTIGATING THE RELATIONSHIP OF BILE ACIDS AS TUMOR SUPPRESSING AGENTS IN COLORECTAL ADENOCARCINOMA.**

*DJ Reyes, J Trujillo, S Centuori and J Martinez, Tucson, AZ. University of Arizona*

Abstract 94

**5:00 HEMOGLOBINOPATHIES, DIABETES, AND AMERICAN INDIANS AND ALASKA NATIVES.**

*J Keane, A Hunt and E Ezeanolue, Las Vegas, NV. University of Nevada, Las Vegas*

Abstract 95

**5:15 INDICATIONS FOR POST-MASTECTOMY RADIATION (PMRT) FOLLOWING NEOADJUVANT CHEMOTHERAPY (NAC) IN YPN0 AND YPN1-3 AXILLARY NODE POSITIVE WOMEN.**

*B Fowble, A Jairam, A Lazar, F Wang, A Peled, L Esserman and C Park, San Francisco, CA and Sacramento, CA. University of California, Davis School of Medicine*

Abstract 96



**5:30 RETROSPECTIVE STUDY OF METASTATIC MELANOMA AND RENAL CELL CARCINOMA TO THE BRAIN WITH MULTIVARIATE ANALYSIS OF PROGNOSTIC PRE-TREATMENT CLINICAL FACTORS.**

*EA Ferrel, AT Roehrig, E Kaya, J Carlson, B Ling and A Wagner, Spokane, WA.  
University of Washington*

Abstract 97

**5:45 TEXT MESSAGING BASED INTERVENTION FOR IMPROVING RECEIPT OF SURVIVORSHIP CARE FOR ADOLESCENT AND YOUNG ADULTS (AYAS): A QUALITATIVE STUDY.**

*JA Bryman, A Goyal, J Casillas, F Alquaddoomi and D Estrin, Peoria, IL; Westwood, CA and New York, NY. University of Illinois College of Medicine at Peoria*

Abstract 98

**Neonatal Pulmonary II**

Rehearsal Room (Sunset Center)

*Arlin B. Blood and Clyde Wright, Presiding*

**3:30 SEX-SPECIFIC PERINATAL NICOTINE EXPOSURE-INDUCED AIRWAY PHENOTYPE IN MEDIATED BY DIFFERENTIAL PKC ISOFORM EXPRESSION IN MALES AND FEMALES.**

*M Gong, J Liu, R Sakurai, NS Murty and VK Rehan, Torrance, CA. LA BioMed at Harbor-UCLA Medical Center*

Abstract 99

**3:45 INTRAUTERINE GROWTH RESTRICTION INCREASES ESTRODIAL LEVELS IN RAT LUNG.**

*RS Moore, C Weinheimer, Z Wang and L Joss-Moore, Salt Lake City, UT. University of Utah*

Abstract 100

**4:00 ANALYSIS OF NOTCH PATHWAY COMPONENTS IN LUNG INNATE IMMUNITY CELLS IN PRETERM INFANTS.**

*NS Bhopal, B Chan, A Fischer, D Mathur and P Minoo, Los Angeles, CA. LAC+USC Medical Center & Children's Hospital Los Angeles*

Abstract 101

**4:15 INSULIN-LIKE GROWTH FACTOR-1 DOWNSTREAM SIGNALING IS DISRUPTED IN THE LUNG BY PREMATURE BIRTH AND PROLONGED MECHANICAL VENTILATION OF PREMATURE LAMBS.**

*C Miers, M Dahl, S Bowen, L Dong, Z Wang, D Null, B Yoder and K Albertine, Salt Lake City, UT and Davis, CA. University of Utah*

Abstract 102

**4:30 *State-of-the-Art Speaker***

**DIAGNOSIS OF BPD: STRENGTHS AND LIMITATIONS.**

- 5:00 A 3-DIMENSIONAL HUMAN MODEL OF BRONCHOPULMONARY DYSPLASIA DEMONSTRATES NOTCH MEDIATED PATHOPHYSIOLOGY.**  
*J Sucre, D Wilkinson, P Vijayaraj, J Alva-Ornelas, M Paul, B Dunn and B Gomperts, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 103
- 5:15 NASAL HIGH-FREQUENCY OSCILLATION PROVIDES ACCEPTABLE RESPIRATORY SUPPORT FOR PREMATURE LAMBS.**  
*M Dahl, K Zuspan, S Bowen, C Bradford, L Pettet, D Null, B Yoder and K Albertine, Salt Lake City, UT and Davis, CA. University of Utah*  
Abstract 104
- 5:30 CHRONIC AND ACUTE HYPOXIA MARKEDLY ALTER CA<sup>2+</sup> SIGNALING IN ADULT AND FETAL PULMONARY ARTERIAL MYOCYTES.**  
*K Cothran, S Sandy, M Romero, A Dobyns, R Paez, M Francis, M Taylor, L Longo, C Wilson and S Wilson, Loma Linda, CA; Riverside, CA and Mobile, AL. Loma Linda University*  
Abstract 105
- 5:45 DECREASE IN INTUBATION RATES AFTER EARLY POSITIVE PRESSURE VENTILATION USING A MODIFIED NASAL CANNULA DURING NEONATAL RESUSCITATION OF LARGER PRETERM AND TERM INFANTS.**  
*ER Wang, FB Wertheimer, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine of University of Southern California*  
Abstract 106
- Neonatology General II**  
Babcock #6 (Sunset Center)  
*Mariana Baserga and Rowena Cayabyab, Presiding*
- 3:30 LIMB PROPRIOCEPTIVE STIMULATION DECREASES INTERMITTENT HYPOXIA AND BRADYCARDIA IN PREMATURE NEONATES.**  
*K Kesavan, P Frank, P Benharash and R Harper, Los Angeles, CA. University of California, Los Angeles*  
Abstract 107
- 3:45 IN VIVO INDUCTION OF HEME OXYGENASE-1 BY ASPIRIN.**  
*CM Konecny, S Wong, S Lu, K Fujioka, F Kalish, H Zhao, RJ Wong and DK Stevenson, Stanford, CA and La Jolla, CA. Stanford University School of Medicine*  
Abstract 108
- 4:00 LIMITING FEEDING DECREASES ALVEOLAR FORMATION IN THE LUNG OF PREMATURE LAMBS SUPPORTED BY NON-INVASIVE VENTILATION.**  
*C Bradford, L Joss-Moore, S Hagen-Lillevik, M Dahl, L Dong, Z Wang, D Null, B Yoder*

- and K Albertine, Salt Lake City, UT and Davis, CA. *University of Utah*  
Abstract 109
- 4:15 SURGERY DURING PHASE II RETINOPATHY OF PREMATURITY (ROP) LEADS TO MORE LASER INTERVENTION.**  
*C Torr, B Yoder and J Beachy, Salt Lake City, UT. University of Utah*  
Abstract 110
- 4:30 CORRELATION OF MRI BRAIN FINDINGS WITH SEVERITY OF NEURAL TUBE DEFECT IN PATIENTS WITH SPINA BIFIDA.**  
*DL Heyliger and A Achiriloaie, Loma Linda, CA. Loma Linda University*  
Abstract 111
- 4:45 LOWER BONE MINERALIZATION IN PRETERM INFANTS WITH NEPHROCALCINOSIS.**  
*S Malone Jenkins, G Chan, M Grinsell and K Weaver Lewis, Salt Lake City, UT and Murray, UT. University of Utah*  
Abstract 112
- 5:00 PREOPERATIVE AEEG ABNORMALITIES IN TERM NEONATES WITH COMPLEX CONGENITAL HEART DISEASE.**  
*D Goff, A Pardo, P Pegis, D Deming and A Hopper, Loma Linda, CA. Loma Linda University Children's Hospital*  
Abstract 113
- 5:15 CUMULATIVE INTRAVENOUS MACRONUTRIENT DOSE AND PARENTERAL NUTRITION ASSOCIATED CHOLESTASIS IN PRETERM NEONATES AND NEONATES WITH GASTROINTESTINAL DISORDERS.**  
*B Abebe, G Wegrzyn, T Grogan, M Flores and KL Calkins, Los Angeles, CA. UCLA Mattel Children's Hospital*  
Abstract 114
- 5:30 MORTALITY AND MORBIDITIES ASSOCIATED WITH PERSISTENT PATENT DUCTUS ARTERIOSUS IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**  
*P Shastry, S Vaikunth, B Siassi, S Bhombal, L Barton, R Ramanathan and R Cayabyab, Glendale, CA and Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine*  
Abstract 115
- 5:45 ANTENATAL FACTORS ASSOCIATED WITH COMBINED CEREBELLAR AND INTRAVENTRICULAR HEMORRHAGE IN PRETERM NEONATES.**  
*LK Lee, M Shiroishi, L Vachon, R Cayabyab and R Ramanathan, Los Angeles, CA. USC/CHLA*  
Abstract 116

## Neuroscience I

Chapman #4 (Sunset Center)

*Marie-Francoise Chesselet, Presiding*

**3:30 5-HT<sub>6</sub> RECEPTORS IN THE INDIRECT BUT NOT DIRECT STRIATAL PATHWAY REGULATE COCAINE REINFORCEMENT.**

*A Gibson, M Brodsky and J Neumaier, Seattle, WA. University of Washington*

Abstract 117

**3:45 MICROGLIA ACTIVATION AND PROLIFERATION IN ISCHEMIC PRECONDITIONING.**

*RE Dodge and JR Weinstein, Seattle, WA. University of Washington*

Abstract 118

**4:00 OPTOGENETIC STUDIES OF RESPIRATORY RHYTHM GENERATION IN TRANSGENIC MICE.**

*BP Mosher, M Tariq, H Koizumi, N Koshiya, R Zhang and J Smith, Seattle, WA and Bethesda, MD. University of Washington*

Abstract 119

**4:15 C-JUN N-TERMINAL KINASE SIGNALING IN CHRONIC EPILEPSY.**

*R Boehm, F Concepcion and N Poolos, Seattle, WA. University of Washington*

Abstract 120

**4:30 VALIDATION OF THE USE OF A BEHAVIORAL PAIN ASSESSMENT TOOL WITH BRAIN-INJURED ICU PATIENTS.**

*CG Steiner, B McNulty, R Marsh, C Gélinas and A Joffe, Seattle, WA and Montreal, QC, Canada. University of Washington*

Abstract 121

**4:45 ASSOCIATIONS BETWEEN SOMATOSENSORY EVOKED POTENTIALS AND CLINICAL DIAGNOSES IN MULTIPLE SCLEROSIS.**

*AE Kloss, Seattle, WA. University of Washington*

Abstract 122

**5:00 NEURAL RESPONSES DURING REFLEXIVE BLINKING ARE ABNORMAL IN BLEPHAROSPASM.**

*D Kelly, B Berman and E Shelton, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 123

**5:15 PROTEOLIPID PROTEIN LABELING OF EXTRACELLULAR VESICLES.**

*GD Fliney, D Harlow and K Saul, Aurora, CO. University of Colorado*

Abstract 124

**5:30 EFFECTS OF HYDROGEN PEROXIDE AND PHENYLBUTYRATE ON MITOCHONDRIAL MEMBRANE POTENTIAL IN DOPAMINE NEURON.**

*O Gordon, W Zhou, A D'Alessandro, T Nemkov, K Hansen and C Freed, Boulder, CO and Aurora, CO. University of Colorado*

Abstract 125

**5:45 UNIQUE HYPEROXIA TOLERANT RATS ARE LESS ANXIOUS AND HAVE LARGER HIPPOCAMPI.**

*KA Baer, PV Wilson, N Busquet, M Mesches, K Huber, N Serkova, A Newman, K Repine, Q He, A Fernandez-Bustamante and JE Repine, Aurora, CO. Webb-Waring Center, University of Colorado Anschutz Medical Center*

Abstract 126

**Pulmonary and Critical Care I**

Studio 105 (Sunset Center)

*Michael Schivo, Presiding*

**3:30 CHANGES IN FRAILTY ARE ASSOCIATED WITH DISABILITY AFTER LUNG TRANSPLANT.**

*P Shrestha, A Soong, D Huang, M Mindo, L Leard, J Golden, P Blanc, S Hays, J Kukreja and J Singer, San Francisco, CA. University of California, San Francisco*

Abstract 127

**3:45 THE IMPACT OF LUNG TRANSPLANTATION ON QUALITY-ADJUSTED LIFE YEARS.**

*D Huang, P Shrestha, A Soong, L Leard, S Hays, J Golden, J Kukreja, P Blanc and J Singer, San Francisco, CA. University of California*

Abstract 128

**4:00 LUNG TRANSPLANTATION IMPROVES HEALTH-RELATED QUALITY OF LIFE IN PATIENTS WITH ADVANCED LUNG DISEASE.**

*A Soong, P Shrestha, D Huang, M Mindo, L Leard, J Kukreja, P Blanc, S Hays, J Golden and J Singer, San Francisco, CA. University of California, San Francisco*

Abstract 129

**4:15 INVESTIGATING THE IMPACT OF LIVING ENVIRONMENT ON PAP ADHERENCE.**

*HS Liou, V Kapur and M Billings, Seattle, WA. University of Washington*

Abstract 130

**4:30 MUSCLE ATROPHY AND CLINICAL OUTCOMES IN CRITICALLY ILL PATIENTS.**

*A Lin, L Gonzalez-Cuyar, A Bunnell and C Hough, Seattle, WA. University of Washington*

Abstract 131

**4:45 EFFECTS OF ULTRASOUND TRAINING DURING YEAR-2 OF MEDICAL SCHOOL ON YEAR-3 MEDICAL STUDENTS.**

*R Krause, R Krause, C Krause and V Dinh, Loma Linda, CA. Loma Linda University*

Abstract 132

**5:00 EFFECTIVENESS OF ANIMATED SIMULATION FOR TEACHING  
ULTRASOUND TO MEDICAL STUDENTS.**

V Dinh, J Avila, *MS Douglas*, R Krause and D Sheldon, Redlands, CA and Lexington,  
KY. *Loma Linda University School of Medicine*

Abstract 133

**5:15 EFFECTS OF STUDENT-PERFORMED POINT-OF-CARE ULTRASOUND ON  
PHYSICIAN DIAGNOSIS AND MANAGEMENT IN THE EMERGENCY  
DEPARTMENT.**

*AJ Sumnicht*, D Udrea, L Villarreal, D Lo, S Gondra-Sanabria, R Chyan and V Dinh,  
Loma Linda, CA. *Loma Linda University*

Abstract 134

**5:30 MEDICAL STUDENT-PERFORMED POINT-OF-CARE ULTRASOUND: THE  
EFFECT ON PATIENT SATISFACTION IN THE EMERGENCY  
DEPARTMENT.**

*D Lo*, L Villarreal, *AJ Sumnicht*, S Gondra-Sanabria, D Udrea, R Chyan and V Dinh,  
Cherry Valley, CA. *Loma Linda University*

Abstract 135

**5:45 CONCURRENT BIRT-HOGG-DUBÉ SYNDROME AND SARCOIDOSIS.**

*BT Kuhn* and R Harper, Sacramento, CA. *University of California, Davis Medical Center  
(WAFMR Scholar Awardee)*

Abstract 136

**Surgery I**

Bingham Room #3 (Sunset Center)

*Subhas Gupta and Lee Pu, Presiding*

**3:30 ASSESSMENT OF A NOVEL, PORTABLE, TABLET-BASED SCANNER FOR THE  
THREE-DIMENSIONAL IMAGING OF THE FACE.**

*L Kim*, P Lewis and S Gupta, Redlands, CA. *Loma Linda School of Medicine*

Abstract 137

**3:45 CROWDSOURCING FOR PATIENT-REPORTED OUTCOMES AFTER BREAST  
RECONSTRUCTION: A NOVEL TOOL FOR UNDERSTANDING THE PATIENT  
EXPERIENCE.**

Y Lin, *CV Vu* and S Gupta, Loma Linda, CA. *Loma Linda University (WAFMR/WAP  
Student Subspecialty Award Winner)*

Abstract 138

**4:00 ADIPOSE DERIVED HUMAN MESENCHYMAL STEM CELL INJECTIONS  
IMPROVE ACHILLES TENDON HEALING IN A RAT MODEL.**

*SK Devana*, O McBride, C Eliasberg, T Kowalski, S Park, F Petrigliano and N Soohoo, Los

Angeles, CA. *David Geffen School of Medicine at UCLA*

Abstract 139

**4:15 ANTERIOR CLOSING WEDGE PROXIMAL TIBIA OSTEOTOMY TO REDUCE ANTERIOR CRUCIATE LIGAMENT FORCE AND KNEE INSTABILITY.**

*J Mathew, D Boguszewski, E Cheung, K Yamaguchi, K Markolf, D McAllister and F Petrigliano, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 140

**4:30 A RETROSPECTIVE AUDIT OF THE TREATMENT AND RECOVERY OF BREAST CANCER PATIENTS: BUILDING A PRELIMINARY BUNDLED PAYMENT MODEL FOR BREAST CANCER.**

*Y Lin and S Gupta, Yorba Linda, CA. Loma Linda University School of Medicine*

Abstract 141

**4:45 ENDOSCOPIC AND OPEN VEIN HARVESTING TECHNIQUES PRODUCED SIMILAR VEIN QUALITY AND MAJOR ADVERSE CARDIAC EVENTS AT 5 YEAR FOLLOW-UP.**

*B Santi, J Chen, J Wu, M Chen, L Uhr and J Lee, Santa Clara, CA; Honolulu, HI and Boston, MA. Santa Clara University*

Abstract 142

**5:00 STEPPING OUT OF THE SHADOW: INVESTIGATING A TEACHER-LEARNER CONTRACT FOR OBSERVERSHIPS IN THE CLINICAL SETTING.**

*K D'Souza, D Cojocar, V Ye, D Duffy, G Warnock and G Blair, Vancouver, BC, Canada. University of British Columbia*

Abstract 143

**5:15 PATIENT SPECIFIC 3D PRINT MODELS IMPROVE DEFORMITY CORRECTION AFTER PROXIMAL FEMORAL OSTEOTOMY FOR SLIPPED CAPITAL FEMORAL EPIPHYSIS.**

*L Cherkasskiy, JP Caffrey, AF Szewczyk, E Cory, JD Bomar, C Farnsworth, M Jeffords, RL Sah and VV Upasani, La Jolla, CA and San Diego, CA. University of California San Diego*

Abstract 144

**5:30 WRIST MOTION VARIATION BETWEEN NOVICES AND EXPERIENCED SURGEONS PERFORMING SIMULATED AIRWAY SURGERY.**

*EJ Callahan, R Bly, K Moe, K Johnson, N Aghdasi, I Bohannon, B Hannaford and MG Sardesai, Kirkland, WA and Seattle, WA. University of Washington*

Abstract 145

**5:45 FABRICATIONS IN THE FOUNTAIN OF YOUTH: EVALUATION OF COLLAGEN INDUCTION CLAIMS IN PRODUCT ADVERTISING.**

*C Johnson and S Gupta, Loma Linda, CA. Loma Linda University*

Abstract 146

**WELCOM 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**

*Carmel Mission Inn – Carmelo Ballroom*

**Thursday, January 28, 2016  
6:00 PM – 7:30 PM**

*(Presenters in attendance at their posters from 6:15 – 7:15 pm)  
Shuttle service from Sunset Center to Carmel Mission Inn provided*

**Adolescent Medicine and General Pediatrics  
Cardiovascular  
Community Health  
Endocrinology and Metabolism  
General Internal Medicine and Aging  
Health Care Research  
Hematology and Oncology  
Infectious Diseases  
Neonatal Pulmonary  
Neonatology General  
Pulmonary & Critical Care Adult  
Surgery**

**Poster  
Number**

**Adolescent Medicine and General Pediatrics**

**1 COMMUNITY HEALTH ASSESSMENT OF INFANTS IN RURAL INDIA.**  
*A Allen, C Orlando, D Shapiro, M Parkinson and B Fassl, Salt Lake City, UT. University of Utah School of Medicine*

Abstract 147

**2 PARTNERSHIP WITH THE DISCOVERY SCIENCE CENTER: TOWARDS INCREASING DIVERSITY IN HEALTHCARE AND THE INCLUSION OF THE SMOKING LUNGS MODEL.**  
*JD Tran, CH Lee, CT Pham, MD Nava and B Afghani, Irvine, CA. University of California, Irvine School of Medicine*

Abstract 148



### Cardiovascular

- 3 IS ELECTROCARDIOGRAPH (EKG) NECESSARY FOR PRE-PARTICIPATION SCREENING OF ALL YOUNG ATHLETES?**  
*MR Carrillo, Y Bade, M Garneni, A Shaik, O Cristian, A Joshi, E Kong and B Afghani, Irvine, CA; Huntington Beach, CA and Orange, CA. Creighton University*  
Abstract 149
- 4 USE OF MEDICAL MARIJUANA FOR TREATMENT OF PEDIATRIC PATIENTS WITH EPILEPSY.**  
*MR Carrillo, GE Jennings, C Le, A Dong, D Devineni, R Sahafi, H Goo and B Afghani, Huntington Beach, CA; Irvine, CA and Orange, CA. Creighton University*  
Abstract 150
- 5 PEDIATRICS CHEST PAIN AND UTILIZATION OF EXERCISE STRESS TEST AND ECHOCARDIOGRAM.**  
*K Lam, M Dharmar and S Berger, Sacramento, CA and Sacramento, CA. University of California, Davis School of Medicine*  
Abstract 151
- 6 LEFT VENTRICULAR SHAPE VARIATION IN PATIENTS WITH AORTIC COARCTATION PRE- AND POST-STENT IMPLANTATION.**  
*A Ortiz, A Suinesiaputra, A Young, G Farrar, B Printz, H El-Said, J Moore, J Omens, A McCulloch, J Perry and S Hegde, Auckland, New Zealand; San Diego, CA and La Jolla, CA. University of California, San Diego*  
Abstract 152

### Community Health

- 7 CREATE CULTURALLY APPROPRIATE CERVICAL CANCER INFORMATIONAL MATERIAL TO DISTRIBUTE DURING CERVICAL SCREENINGS AND COMMUNITY OUTREACH EVENTS AT THE UGANDA CANCER INSTITUTE.**  
*D Borin, Seattle, WA and Kampala, Uganda. University of Washington*  
Abstract 153
- 8 DILLON, MONTANA: SEXUAL EDUCATION ADVANCEMENT.**  
*N Broden, Great Falls, MT. University of Washington*  
Abstract 154
- 9 EVALUATING THE CHALLENGES OF INTEGRATING HEALTH EDUCATION INTO A SCHOOL CURRICULUM IN RURAL INDIA.**  
*B Cheung, K Shih, B Smith, M Smith, S Browne and D Raff, Burnaby, BC, Canada. University of British Columbia*  
Abstract 155
- 10 PREVENTING CHILDHOOD OBESITY ON PRINCE OF WALES ISLAND:**

- IDENTIFICATION OF BARRIERS THAT HINDER HEALTHY LIFESTYLES AT HOME AND TARGETING PARENTS IN OBESITY PREVENTION EFFORTS.**  
*BD Dahms, Seattle, WA. University of Washington School of Medicine*  
 Abstract 156
- 11 CHILD NUTRITION EDUCATION FOR LIFELONG HEALTHY EATING HABITS IN MÁI DÂM COMMUNE, VIETNAM.**  
*LM Daudt, Seattle, WA. University of Washington*  
 Abstract 157
- 12 SNAKE RIVER COMMUNITY CLINIC MINDFULNESS PROGRAM.**  
*K Hedlund, Seattle, WA. University of Washington School of Medicine*  
 Abstract 158
- 13 THE FIVE-YEAR CUMULATIVE INCIDENCE OF BURNS IN UGANDA: EARLY OUTCOMES OF A CROSS-SECTIONAL HOUSEHOLD SURVEY.**  
*AS Maccan, A Ribeiro, M Caulfield, A Rajwani, J Huebner, M Ario, P Laker, J Siever, MM Ajiko, N O'Hara and R Evans, Chilliwack, BC, Canada; Soroti, Uganda and Vancouver, BC, Canada. University of British Columbia*  
 Abstract 159
- 14 ASSESSMENT OF PERINATAL AND PEDIATRIC HEALTH PRACTICES IN SOLUKHUMBU, NEPAL.**  
*J Maddox, W Kopp, B Fassl, A Sherpa and D Levy, Salt Lake City, UT and Forest Knolls, CA. University of Utah School of Medicine*  
 Abstract 160
- 15 DANCING YOUR WEIGHT OFF: AN INTERACTIVE HIGH SCHOOL PEER EDUCATION PROJECT TO ASSESS AND INCREASE ADOLESCENT AWARENESS OF THE IMPORTANCE OF EXERCISE.**  
*J Martin, M Castaneda, L Arreola, A Calderon and R Kinman, Fresno, CA and Madera, CA. Fresno High School*  
 Abstract 161
- 16 DON'T LET BUTTE BURN!**  
*H Paladichuk, Seattle, WA. University of Washington School of Medicine*  
 Abstract 162
- 17 ASSESSING THE EFFECTIVENESS OF A CHILD MALNUTRITION TREATMENT CENTER IN RURAL INDIA.**  
*M Parkinson, A Allen, C Orlando, D Shapiro and B Fassl, Salt Lake City, UT. University of Utah*  
 Abstract 163
- 18 INCREASING UP-TO-DATE VACCINATION STATUS AMONG CHILDREN ENROLLED IN THE WIC PROGRAM IN ELLENSBURG, WASHINGTON.**

CM Shae, Wenatchee, WA. *University of Washington School of Medicine*

Abstract 164

**19 SUMMER NUTRITION CHALLENGE: ENCOURAGING HEALTHY EATING BITE BY BITE IN ODESSA, WASHINGTON.**

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

Abstract 165

**20 THE SHOSHONE BICYCLE HELMET PROJECT: INCREASING HELMET USE THROUGH DISTRIBUTION OF FREE HELMETS AND BILINGUAL EDUCATIONAL MATERIALS.**

*ND Swenson, Seattle, WA. University of Washington*

Abstract 166

**21 IMPROVING STROKE AWARENESS IN URBAN AND RURAL PERU THROUGH A HOSPITAL-BASED STROKE PREVENTION CAMPAIGN.**

*MV Tulloch-Palomino, Shoreline, WA. University of Washington School of Medicine*

Abstract 167

**22 "EDÚCATE Y ACTÚA" DISASTER RESPONSE COMMUNICATION STRATEGY FOR GRANT COUNTY.**

*E Zavala-Suarez, Seattle, WA. University of Washington*

Abstract 168

**Endocrinology and Metabolism**

**23 PARATHYROID CARCINOMA A SMOLDERING DISEASE: CASE REPORTS.**

*DV Byreddy, D Schade, MR Burge, P Kapsner and M Bouchonville, Albuquerque, NM. University of New Mexico*

Abstract 169

**24 PRIMARY CARE PROVIDERS' PERCEPTIONS OF LIFESTYLE MODIFICATION AND MANAGEMENT FOR OBESITY AND PREDIABETES.**

*S Tsoi, E Vasti and T Moin, Los Angeles, CA and San Francisco, CA. David Geffen School of Medicine at UCLA*

Abstract 170

**General Internal Medicine and Aging**

**25 ROLE OF TETRAPEPTIDE SDKP IN SKIN CRYOSURGERY HEALING.**

*M Kim, JW Burke and S Fuchs, West Covina, CA. Western University of Health Sciences*

Abstract 171

**26 PILOT STUDY: END OF LIFE CONVERSATIONS; A PATIENT PERSPECTIVE.**

*KE Stoll, R Sprague, J Siu and K Ketelson, O Pipitone and E. Buth, Lebanon, OR and Corvallis, OR. College of Osteopathic Medicine of the Pacific Northwest*

Abstract 172

## Genetics

- 27 **BEHAVIORAL PHENOTYPE IN CHILDREN WITH PRADER-WILLI SYNDROME.**  
*N Alsaleh, P Gupta and J Pula, Stanford, CA and Paterson, NJ. Stanford University School of Medicine*  
Abstract 173
- 28 **PRADER-WILLI SYNDROME DUE TO AN UNBALANCED DE NOVO TRANSLOCATION T(15;19)(Q12;P13.3).**  
*V Dang, A Surampalli, SH Youn, J Gold and V Kimonis, Irvine, CA and Loma Linda, CA. University of California, Irvine*  
Abstract 174
- 29 **IS INCIDENTAL FINDING THE BEST TERM? A STUDY OF PATIENTS' PERSPECTIVES.**  
*N Tan, L Amendola, MJ Horike-Pyne, FM Hisama, W Burke, B Wilfond and G Jarvik, Seattle, WA. University of Washington*  
Abstract 175
- 30 **SCOLIOSIS IN A PRADER-WILLI SYNDROME CLINIC.**  
*D Viskochil and D Mason, Salt Lake City, UT. University of Utah*  
Abstract 176

## Health Care Research

- 31 **DO ASK, DO TELL: AN INTERACTIVE WEB-BASED ASSESSMENT OF PHYSICIAN WELLNESS.**  
*D Cojocar, E Skarsgard, C Strahlendorf, FK Kozak, P Sneddon, D Duffy, N O'Hara and T Newlove, Vancouver, BC, Canada. University of British Columbia - Children's Hospital*  
Abstract 177
- 32 **STUDENTS AS FUTURE EDUCATIONAL LEADERS IN THE DEVELOPMENT OF LEARNING RESOURCES: AN UNDERGRADUATE SURGICAL CURRICULUM INITIATIVE.**  
*D Cojocar, K D'Souza, D Duffy and G Blair, Vancouver, BC, Canada. University of British Columbia*  
Abstract 178
- 33 **STAYING ALIVE: ACTIVE SHOOTER SIMULATION IN THE OPERATING ROOM.**  
*AJ Czynski, V Layel, TK Denmark, M Vadi, E Ghazal, MY Woodfin, M Malkin, J Lenart and J Cristall, Redlands, CA and Loma Linda, CA. Loma Linda University*  
Abstract 179
- 34 **ATTITUDES OF GLOBAL HEALTH PROFESSIONAL FACULTY TO SOCIAL**

**MEDIA AS A TEACHING TOOL.**

*K D'Souza, L Henningham, R Zou, J Huang, L O'Sullivan, J Last and K Ho, Vancouver, BC, Canada; Melbourne, VIC, Australia; Shanghai, China; Birmingham, United Kingdom and Dublin, Ireland. University of British Columbia*

Abstract 180

**35 THE OPTIMAL ATTRIBUTES OF A TRAUMA TEAM LEADER: EVIDENCE FROM A DISCRETE CHOICE EXPERIMENT.**

*D Mo, N O'Hara, R Hengel and A Singhal, Vancouver, BC, Canada. University of British Columbia*

Abstract 181

**36 PATTERNS OF BURN CARE AT COMMUNITY HEALTH CARE CENTERS IN UGANDA.**

*A Rajwani, J Huebner, MD Caulfield, A Ribeiro, AS Maccan, MM Ajiko, N O'Hara and R Evans, Vancouver, BC, Canada and Soroti, Uganda. University of British Columbia*

Abstract 182

**37 SOCIAL MEDIA USE IN EMERGENCY ULTRASOUND FELLOWSHIP EDUCATION.**

*J Wang, R Amini and S Adhikari, Tucson, AZ. University of Arizona*

Abstract 183

**38 EVALUATION OF MATERNAL AND INFANT PRACTICES AND ILLNESS IN RURAL NEPAL.**

*K Wolpert, S Ryan, B Fassl and D Levy, Salt Lake City, UT. University of Utah*

Abstract 184

**Hematology and Oncology**

**39 THE EFFECT OF DOT1L INHIBITION ON RNA POLYMERASE II PAUSING.**

*R Ancar, T Neff and K Bernt, Parker, CO. University of Colorado School of Medicine*

Abstract 185

**40 EFFECT OF SURVIVIN AND CANCER CELL-DERIVED EXOSOMES ON NATURAL KILLER CELL CYTOTOXICITY.**

*D Chi, H Ferguson, L Oppegard and N Wall, Loma Linda, CA. Loma Linda University*

Abstract 186

**41 AUTOIMMUNE HEMOLYTIC ANEMIA AND THE SEQUELA OF IGA LINEAR DERMATITIS.**

*TV Desai, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 187

**42 MICRODOSIMETRIC EVALUATION OF PROTON ENERGY DISTRIBUTIONS IN THE VICINITY OF METAL IMPLANTS.**

*S Heczko, G McAuley, J Slater and A Wroe, South Pasadena, CA and Loma Linda, CA.  
Loma Linda University*

Abstract 188

**43 GENE-ULTRAVIOLET RADIATION INTERACTIONS DETERMINING  
MELANOMA RISK PHENOTYPES.**

*DD Lynn, Aurora, CO. University of Colorado Denver*

Abstract 189

**44 EVALUATION OF A DUAL FOCUSING MAGNET SYSTEM FOR TREATMENT  
OF SMALL PROTON TARGETS.**

*TT Nguyen, S Heczko, G McAuley, J Slater, J Slater and A Wroe, Loma Linda, CA. Loma  
Linda University*

Abstract 190

**45 SUCCESSFUL TREATMENT OF ACUTE RENAL FAILURE IN PATIENT WITH  
ACTIVE LUPUS NEPHRITIS AND ATYPICAL HEMOLYTIC UREMIC  
SYNDROME WITH C5A INHIBITOR, ECULIZUMAB.**

*S Sarkissian, Panorama City, CA. University of California, Irvine*

Abstract 191

**46 HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS COMPLICATING AN  
UNUSUAL CASE OF CD16+ EXTRANODAL NK LYMPHOMA, NASAL TYPE  
WITH BONE MARROW AND CENTRAL NERVOUS SYSTEM  
INVOLVEMENT.**

*S Sarkissian and P Siaghani, Panorama City, CA and Orange, CA. University of  
California, Irvine*

Abstract 192

**47 A RARE CASE OF EBV NEGATIVE T-CELL POST RENAL TRANSPLANT  
LYMPHOPROLIFERATIVE DISORDER.**

*S Sarkissian and A Nael Amzajerdi, Panorama City, CA and Orange, CA. University of  
California, Irvine*

Abstract 193

**48 WEATHERING A CYTOKINE STORM: A CASE OF HEMOPHAGOCYTIC  
LYMPHOHISTIOCYTOSIS.**

*T Shaw and J Ahn, Sacramento, CA. University of California, Davis Medical Center*

Abstract 194

**49 ATYPICAL PRESENTATION OF LOW-GRADE FIBROMYXOID SARCOMA IN  
THE ANTERIOR MEDIASTINUM IN A 73 YEAR OLD FEMALE.**

*VM Williams, M Herrmann and A Vega, Loma Linda, CA and Los Angeles, CA. Loma  
Linda University*

Abstract 195

- 50 FATAL SICKLE CELL CRISIS DUE TO CANDIDA ALBICANS INFECTION IN A CHILD.**  
*K Young, A Miller, K Boayue and H Agarwal, Tucson, AZ and Albuquerque, NM. The University of Arizona*  
 Abstract 196
- 51 ROLE OF TRANSFORMING GROWTH FACTOR-BETA IN MEDIATING INFLAMMATION AND ANGIOGENESIS IN SMAD4 DEFICIENT HEAD AND NECK SQUAMOUS CELL CARCINOMAS.**  
*J Yu, A Hernandez and X Wang, Aurora, CO. University of Colorado Denver*  
 Abstract 197
- 52 CHANGES IN EXPRESSION OF METABOLIC GENES IN IMMORTALIZED MOUSE EMBRYONIC FIBROBLAST CELLS IMPACT GROWTH AND FITNESS.**  
*A Yufa, J Lay, A Chang, N Balanis, A Minasyan, N Graham and T Graeber, Riverside, CA. University of California, Los Angeles*  
 Abstract 198
- Infectious Diseases**
- 53 GROUP A STREP: STILL A THREAT THREE PRESENTATIONS OF INVASIVE GROUP A  $\beta$ -HEMOLYTIC STREPTOCOCCUS.**  
*N Neal, SU Das and P Patamasucon, Las Vegas, NV. University of Nevada School of Medicine*  
 Abstract 199
- 54 16 YEAR OLD MALE WITH LEFT NECK SWELLING.**  
*LR Zuar and P Patamasucon, Las Vegas, NV. University of Nevada School of Medicine*  
 Abstract 200
- Neonatal Pulmonary**
- 55 REFERENCE VALUES FOR RESPIRATORY INPUT IMPEDANCE IN NEWBORN LAMBS.**  
*M Dahl, C Veneroni, K Zuspan, A Lavizzari, S Bowen, D Null, B Yoder, K Albertine and R Dellaca', Salt Lake City, UT; Milan, Italy and Davis, CA. University of Utah*  
 Abstract 201
- 56 GENOME OF HIGH FREQUENCY OSCILLATION: ITIME AND BIAS FLOW EFFECTS.**  
*M Patel and M Goldstein, Redlands, CA. Loma Linda University Medical Center*  
 Abstract 202
- Neonatology General**
- 57 UTILIZATION PATTERNS OF EXTRACORPOREAL MEMBRANE OXYGENATION IN NEONATES WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY IN THE UNITED STATES 1997-2012.**

CA Burkhead, A Song, A Lakshmanan, E Ho, P Friedlich and C McLean, Arcadia, CA and Los Angeles, CA. *Children's Hospital of Los Angeles*

Abstract 203

**58 ACCESS TO TECHNOLOGY FOR COMMUNICATION IMPROVES HEALTH-RELATED QUALITY OF LIFE FOR LOW INCOME FAMILIES AFTER NEONATAL INTENSIVE CARE UNIT DISCHARGE.**

*N Flores, PS Friedlich, MB Belfort, DL Vanderbilt, R Williams, MD Kipke and A Lakshmanan, Los Angeles, CA and Boston, MA. Children's Hospital Los Angeles*

Abstract 204

**59 IMPROVING PROCESS MEASURES OF TIMELY FAMILY MEETINGS IN NEONATAL INTENSIVE CARE: AN INTERDISCIPLINARY QUALITY IMPROVEMENT PROJECT.**

*E Hagen, A Sabnis, S Fojo, S Nayak, L Zeltzer, HL Holdbrooks, D Tarn and A Sarin-Gulian, Los Angeles, CA. University of California Los Angeles*

Abstract 205

**60 INCIDENCE OF CLINICAL COMPLICATIONS IN INFANTS OF DIABETIC MOTHERS IN THE NICU OVER A 5-YEAR PERIOD.**

*N Kraus, B Becerra, RD Clark and S Ramanathan, Loma Linda, CA. Loma Linda University*

Abstract 206

**61 RESOURCE UTILIZATION FOR NEONATES WITH TRISOMY 18 IN CALIFORNIA.**

*NG Lynch, J hu, PS Friedlich and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine, University of Southern California*

Abstract 207

**62 RESOURCE UTILIZATION FOR NEONATES WITH TRISOMY 13 IN CALIFORNIA.**

*NG Lynch, J hu, PS Friedlich and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine of University of Southern California*

Abstract 208

**63 NICU FELLOWSHIPS PROVIDE LESS ACCESS AND TRAINING IN POINT-OF-CARE ULTRASONOGRAPHY THAN PICU TRAINING PROGRAMS.**

*JT Nguyen, R Amirnovin, R Ramanathan and S Noori, Los Angeles, CA. Keck School of Medicine of University of Southern California; Children's Hospital Los Angeles*

Abstract 209

**64 NEONATAL SPLENIC HEMATOMA CAUSING HEMOPERITONEM AND**



**HYPOVOLEMIC SHOCK.**

*JJ Parga and V Walker, Santa Monica, CA. David Geffen School of Medicine at UCLA*

Abstract 210

**Pulmonary & Critical Care Adult**

**65 UTILIZING A MULTIMODAL APPROACH IN TEACHING MEDICAL STUDENTS ULTRASOUND-GUIDED PROCEDURES.**

*C Krause, R Krause and V Dinh, Loma Linda, CA. Loma Linda University*

Abstract 211

**66 A CASE OF URTICARIA THAT RESULTED IN A BROKEN HEART.**

*N Qamar, S Teuber and S Mateev, Sacramento, CA and Mather, CA. University of California, Davis Health System*

Abstract 212

**Surgery**

**67 IDENTIFICATION OF POTENTIAL RISK FACTORS ASSOCIATED WITH DEVELOPMENT OF SYNECHIAE FOLLOWING FUNCTIONAL ENDOSCOPIC SINUS SURGERY: A RETROSPECTIVE REVIEW.**

*A Amanian, J Manji, A Habib, S Alsaleh and A Javer, Vancouver, BC, Canada. University of British Columbia*

Abstract 213

**68 COEXISTING CLEAR CELL RENAL CELL CARCINOMA AND SOLITARY EXTRAMEDULLARY PLASMACYTOMA.**

*SW Berquist, A Hassan, Z Hamilton, C Dufour and I Derweesh, La Jolla, CA. University of California, San Diego School of Medicine*

Abstract 214

**69 QUALITATIVE INTERVIEWS WITH PARENTS OF YOUNG CHILDREN WITH CLEFT LIP AND PALATE.**

*EE Breuning, RJ Courtemanche and DJ Courtemanche, Vancouver, BC, Canada. British Columbia Children's Hospital (WAFMR Scholar Awardee)*

Abstract 215

**70 A RETROSPECTIVE REVIEW OF TEMPOROMANDIBULAR JOINT RECONSTRUCTION WITH AUTOGENOUS COSTOCHONDRAL ARTHROPLASTY.**

*F Chan and DJ Courtemanche, Vancouver, BC, Canada. University of British Columbia*

Abstract 216

**71 ROBOTIC SIMULATOR SKILLS: IMPACT OF DIFFERENT BACKGROUND AUDITORY ENVIRONMENTS ON LEARNING CURVE OF NOVICE SURGEONS.**

*BS Chung, AL Wong, A Erskine, AR Kutzner, C Ritchie, P Yang, J Shen, S Abourbih and D Baldwin, Redlands, CA. Loma Linda University School of Medicine*

Abstract 217

- 72 ENHANCING THE QUALITY OF THE CHILD AND FAMILY SURGICAL EXPERIENCE WITH TELEHEALTH.**  
*P Dean, M O'Donnell and E Skarsgard, Vancouver, BC, Canada. University of British Columbia*

Abstract 218

- 73 DETECTION OF ABNORMALLY SHAPED EARS IN NEWBORNS.**  
*D Lu, J Pauwels, C Jin, FK Kozak and N Chadha, Delta, BC, Canada and Vancouver, BC, Canada. British Columbia Children's Hospital*

Abstract 219

- 74 EMOTIONAL CONCERNS IN SURGICAL CANCER SURVIVORS NOT TREATED WITH CHEMOTHERAPY.**  
*T Nikoomanesh and M Goldfarb, Pomona, CA and Santa Monica, CA. Western University of Health Sciences*

Abstract 220

- 75 THE EFFECT OF LASER FIBER STRIPPING ON FRAGMENTATION OF URINARY TRACT CALCULI.**  
*C Ritchie, P Yang, B Peplinski, M Keheila, S Cheriyan, S Abourbih and D Baldwin, Loma Linda, CA. Loma Linda University*

Abstract 221

- 76 EFFECTIVE NON-OPERATIVE MANAGEMENT OF SEVERE BLUNT LIVER TRAUMA.**  
*C Slattery, S Aarabi, H Foy and G O'Keefe, Seattle, WA. University of Washington*

Abstract 222

- 77 FRAILTY PREDICTS POSTOPERATIVE MORBIDITY/MORTALITY AFTER COLECTOMY FOR C-DIFFICILE COLITIS.**  
*E Telemi, R Venkat and O Trofymenko, Tucson, AZ. University of Arizona*

Abstract 223

- 78 FRAILTY IS A PREDICTOR OF POSTOPERATIVE MORBIDITY AND MORTALITY AFTER COLECTOMY FOR CANCER.**  
*O Trofymenko, R Venkat, E Telemi and V Nfonsam, Tucson, AZ. University of Arizona College of Medicine - Tucson*

Abstract 224

- 79 FEASIBILITY OF IMPLEMENTING CHLORHEXIDINE GLUCONATE (CHG) FOR PRE-OPERATIVE CLEANSING IN PEDIATRICS.**  
*I Zivkovic, Vancouver, BC, Canada. University of British Columbia*

Abstract 225

**JOINT PLENARY SESSION**

**DISEASES WITHOUT BORDERS**

**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**

*Sunset Center Theater*

**Friday, January 29, 2016  
8:00 AM – 11:40 AM**

*Paul Rozance and Kristina Utzschneider, Presiding*

**8:00 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH  
AWARD**

**DEFAULT MODE NETWORK ACTIVITY: TESTING FOR ASSOCIATION  
WITH EXTERNALIZING BEHAVIOR PROBLEMS WITH AND WITHOUT  
CALLOUS UNEMOTIONAL TRAITS.**

*BC Walsh, M Dalwani and J Sakai, Northglenn, CO. University of Colorado School of  
Medicine*

Abstract 226

**8:15 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE  
RESEARCH AWARD**

**INFLAMMATORY PROSTAGLANDIN E2 INHIBITS OLIGODENDROCYTE  
PROGENITOR CELL MATURATION: MECHANISM FOR NEONATAL WHITE  
MATTER INJURY.**

*L Shioh and D Rowitch, San Francisco, CA. University of California, San Francisco*

Abstract 227

**8:30 E.E. OSGOOD AWARD**

**CALCIUM RELEASE PATTERNS IN MOUSE ATRIAL CARDIOMYOCYTES:  
ROLE OF TRANSVERSE-AXIAL TUBULES.**

*X Yue, R Zhang, B Kim, A Ma, JI Goldhaber and KD Philipson, Los Angeles, CA and  
Xi'an, China. Cedars Sinai Medical Center*

Abstract 228

**8:45 WAFMR OUTSTANDING INVESTIGATOR AWARD**

**IDENTIFICATION OF A NOVEL INNATE IMMUNE SIGNALING FACTOR,  
TNK1, THAT REGULATES VIRAL INFECTION.**

*T Saito, Los Angeles, CA. University of Southern California*

**9:00 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD  
BASIC SCIENCE FOR BABY BRAINS: TRANSLATIONAL INVESTIGATIONS  
OF NEURAL REPAIR**

Lauren Jantzie, *University of New Mexico*

*9:30 – 9:45 am Intermission*

*W. Conrad Liles and Frederick Buckner, Presiding*

**9:45 WSPR STANLEY WRIGHT MEMORIAL LECTURE  
SOLVING THE PUZZLE OF PRETERM BIRTH: CALENDAR EVENT OR  
IMMUNOLOGIC ANOMALY.**

David K. Stevenson, *Stanford University*

**10:15 WSPR JOSEPH W. ST. GEME, JR. EDUCATION AWARD**

**Presenter:** Robin Ohls, *University of New Mexico*

**Recipient:** Dr. Carol Clericuzio, *University of New Mexico*

**10:25 WAP DISTINGUISHED LECTURESHIP**

**EBOLA: LESSONS LEARNED.**

Michele Barry, *Stanford University School of Medicine*

**10:55 WSCI OUTSTANDING INVESTIGATOR AWARD  
MOLECULAR LANDSCAPE IN COLORECTAL CANCER**

Heinz-Josef Lenz, *University of Southern California, Keck School of Medicine*

**11:25 WSCI MAYO SOLEY AWARD**

**Presenter:** Frederick S. Buckner, *University of Washington*

**Recipient:** Wesley C. Van Voorhis, *University of Washington*

**11:40 ADJOURN**

**11:40 WSPR BUSINESS MEETING**

**11:40 WSCI BUSINESS MEETING**

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**MEET THE MENTORS: LUNCH WITH CARMEL RESEARCH PRIZE RECIPIENTS**  
**Panel Discussion**

**Friday, January 29, 2016**  
**11:15 AM – 12:15 PM**

*(Intended for Students and Residents)*

Cinnamon S. Bloss, PhD, *University of California San Diego*  
Henry Lee, MD, *Stanford University*  
Melanie Cree Green, MD, PhD, *University of Colorado School of Medicine*  
Jose R Suarez, MD, MPH, PhD, *University of California San Diego*

*(Additional charge of \$10 and lunch will be provided, limited availability: 45)*  
**Sunset Center – Studio 105**

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**INVESTIGATOR WORKSHOP**

**Friday, January 29, 2016**  
**11:40 AM – 12:30 PM**

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. *Additional charge of \$10 and lunch will be provided.*

**HOW TO PICK A GOOD SCIENTIFIC QUESTION**

*W. Conrad Liles, University of Washington*

*Sunset Center – Green Room*

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**CONCURRENT SESSIONS**

**Friday, January 29, 2016**  
**12:30 PM – 2:30 PM**

*Jointly sponsored by*

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

**Adolescent Medicine and General Pediatrics II.....Studio 105**  
**CardiovascularIII.....Promenade Lobby**

Endocrinology and Metabolism II.....	Bingham #3
Gastroenterology.....	Babcock #6
Genetics.....	Rehearsal Room
Neonatal Pulmonary III.....	Carpenter Hall
Neonatology General III.....	All Saints Church, Seccombe Hall
Neonatology Perinatal Biology I.....	Chapman #4
Surgery II.....	Conductor's Room

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**Adolescent Medicine and General Pediatrics II**

Studio 105 (Sunset Center)

*Samrat U. Das and Mary Ramos, Presiding*

**12:30 A 24 WEEK PHYSICAL FITNESS PROGRAM IMPROVES BODY COMPOSITION AMONG SOUTHWESTERN NATIVE AMERICAN ADOLESCENTS AT RISK FOR DIABETES.**

*L Colip, M Chavez, P Sandy, D Ghahate, J Bobelu, MR Burge and V Shah, Albuquerque, NM. University of New Mexico Health Science Center (WSPR Mead Johnson Travel Award Winner)*

Abstract 230

**12:45 RELIABILITY & VALIDITY OF THE CHISPA: A NEW BRIEF ASSESSMENT TOOL FOR ADOLESCENT SUBSTANCE USE.**

*D Rosero, M Ramos, T Condon and T Warner, Albuquerque, NM. University of New Mexico*

Abstract 231

**1:00 ARTHROGRYPOSIS: LONG-TERM QUALITY OF LIFE ANALYSIS.**

*H Nouraei, B Sawatzky and J Hall, Vancouver, BC, Canada. University of British Columbia*

Abstract 232

**1:15 POLYMORPHIC VENTRICULAR TACHYCARDIA (PMVT) IN AN ADOLESCENT AFTER USE OF SYNTHETIC CANNABIS: UNMASKED LONG QT SYNDROME.**

*BH Hammond and EA Greene, Albuquerque, NM. University of New Mexico*

Abstract 233

**1:30 State-of-the-Art Speaker**

**HEALTH RELATED QUALITY OF LIFE DURING CANCER TREATMENT: PERSPECTIVES OF ADOLESCENT CANCER SURVIVORS AND THEIR CAREGIVERS.**

*Shiraz I. Mishra, University of New Mexico School of Medicine*

**2:00 PILOT STUDY ASSESSING CORRELATION OF CCL2 LEVELS, BIOMARKERS AND MODIFIABLE BEHAVIORS IN OVERWEIGHT/OBESE ADOLESCENTS.**

*A Dye, P Pomo, M Bodo, E Yakes Jimenez, R Orlando and A Kong, Albuquerque, NM. University of New Mexico School of Medicine*

Abstract 234

**2:15 CAPTURING THE SUBSTANCE USE KNOWLEDGE, ATTITUDES AND PRACTICES OF NEW MEXICO'S SCHOOL-BASED HEALTH CENTER WORKFORCE.**

*M Murphy, R Sebastian, T Condon and M Ramos, Albuquerque, NM. University of New Mexico*

Abstract 235

**Cardiovascular III**

Promenade Lobby (Sunset Center)

*Robert S. Ross and Carlin Long, Presiding*

**12:30 THE IMPACT OF SEED VARIATION ON THE MEASURED ACCURACY OF MACHINE LEARNING ALGORITHMS (AUC) FOR SEVERAL COMMON MODEL VALIDATION TECHNIQUES IN NUCLEAR MEDICINE.**

*VR Singh and P Slomka, Los Angeles, CA. Cedars Sinai Medical Center*

Abstract 236

**12:45 TEENAGERS AND ADULTS LIVING WITH CONGENITAL HEART DISEASE ARE BEING LOST TO FOLLOW UP: EVIDENCE FROM TETRALOGY OF FALLOT IN A DIVERSE PATIENT POPULATION.**

*S Behan, J Andrews and S Klewer, Tucson, AZ. University of Arizona*

Abstract 237

**1:00  $\alpha$ -MYOSIN HEAVY CHAIN IN HEART FAILURE IS REDUCED IN A MINOR SUB-POPULATION OF RABBIT MYOCYTES EXPRESSING HETERODIMERIC AB ISOFORMS.**

*K Jaradeh, J Sharma, J Avila, KS Chavez, A Wong, T Wood, J Southard, L Mendoza, W Ferrier, J Bossuyt, K Ginsburg and J Lopez, Davis, CA. University of California, Davis*

Abstract 239

**1: 15 REDUCED CARDIOMYOCYTE SIZE DOES NOT ACCOUNT FOR REDUCED CARDIAC WEIGHT IN GROWTH RESTRICTED FETUSES.**

*D Kamna, LD Brown and S Jonker, Portland, OR and Aurora, CO. Oregon Health and Science University*

Abstract 240

**1:30 TIER 1: ECMO SHOULD NOT BE TIER 1 FOR HEART TRANSPLANTATION DUE TO HIGH MORTALITY.**

*M Luu, T Aintablian, M Hamilton and JA Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 241

**1:45 OUTCOME OF HYPERTENSIVE HEART TRANSPLANT PATIENTS.**

R Sharoff, T Aintablian, G Rodriguez, M Hamilton and JA Kobashigawa, Los Angeles, CA. *Cedars-Sinai Medical Center*

Abstract 242

**2:00 TRANS-CATHETER CLOSURE OF PATENT DUCTUS ARTERIOSUS IN SEVERELY PREMATURE NEONATES: IS POST-LIGATION SYNDROME AN ISSUE?**

D Peck, R Garg, A Phillips, M McRae, P Nevin, K Basacker, C Simmons and E Zahn, Los Angeles, CA. *David Geffen School of Medicine at UCLA*

Abstract 243

**Endocrinology and Metabolism II**

Bingham Room #3 (Sunset Center)

*Kristina M. Utzschneider and Taylor Soderborg, Presiding*

**12:30** *State-of-the-Art Speaker*

**DIABETES WITHOUT BORDERS.**

Latha Palaniappan, *Stanford University*

**1:00 EFFECT OF OBESITY AND CKD ON INSULIN SENSITIVITY INDICES.**

I Ahmad, L Zelnick and IH DeBoer, Seattle, WA. *University of Washington*

Abstract 244

**1:15 DIABETIC KETOACIDOSIS IN TYPE 2 VS. TYPE 1 DIABETES.**

JM Miles, A Accurso, J Isautier, AE Marquez, G Wilson, K Herrmann and Y Kudva, Rochester, MN. *Mayo Clinic*

Abstract 245

**1:30 EXERCISE INTERVENTION IMPROVES THE METABOLIC PROFILE OF SOUTHWESTERN NATIVE AMERICAN ADOLESCENTS.**

L Colip, M Chavez, P Sandy, D Ghahate, J Bobelu, V Shah and MR Burge, Albuquerque, NM. *University of New Mexico*

Abstract 246

**1:45 CAN THE DAWN PHENOMENON BE PREDICTED IN ORDER TO PROGRAM AN INSULIN PUMP?**

L Ereifej, M Bouchonville, E Duran-Valdez and D Schade, Albuquerque, NM. *University of New Mexico*

Abstract 247

**2:00 RELATIONSHIP BETWEEN GLYCEMIC VARIABILITY AND B-CELL FUNCTION IN ADULTS AT HIGH RISK OF TYPE 2 DIABETES.**

MA Szkudlinska, ML Neuhouser and KM Utzschneider, Seattle, WA. *University of Washington*

Abstract 248



**2:15 MIXED MACRONUTRIENT MEALS NORMALIZE GLUCOSE AND INSULIN LEVELS IN IMPAIRED GLUCOSE TOLERANT OBESE TEENAGE GIRLS.**

*AA Lynch, G Coe, K Nadeau and M Cree-Green, Wauwatosa, WI and Aurora, CO.*

*Medical College of Wisconsin*

Abstract 249

**Gastroenterology**

Babcock #6 (Sunset Center)

*Henry C. Lin and Christopher Chang, Presiding*

**12:30 THE PREVALENCE OF COLON ADENOMATOUS POLYPS IN ASIAN INDIANS.**

*S Mann, J Wilson-Chiru and S Tejaswi, Sacramento, CA. University of California, Davis Medical Center*

Abstract 250

**12:45 ROLE OF THE LYMPHATIC SYSTEM IN THE PROGRESSION OF INFLAMMATORY BOWEL DISEASE TO COLORECTAL CANCER IN AN EXPERIMENTAL MOUSE MODEL.**

*S Daley, J Washington, M Bernas, E Meister, J Thorn, P Kiela, N Tanoue, JS Alexander and M Witte, Tucson, AZ and Shreveport, LA. University of Arizona (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 251

**1:00 A REMEMBRANCE OF PROCEDURES PAST: LATE HEPATIC ARTERY THROMBOSIS.**

*R Andrews, E Sheehan and M Lacy, Albuquerque, NM. University of New Mexico*

Abstract 252

**1:15 POST- INFECTIOUS IBS FOLLOWING RECURRENT/RELAPSING C. DIFFICILE ASSOCIATED DIARRHEA (CDAD).**

*R Andrews and M Gavin, Albuquerque, NM. University of New Mexico*

Abstract 253

**1:30 COMPARISON OF TRANSCUTANEOUS RESPIRATORY MONITORING WITH CONVENTIONAL VITAL SIGNS IN THE DETECTION OF ABNORMAL RESPIRATORY EVENTS IN CHILDREN UNDERGOING ENDOSCOPY.**

*G Lui, Loma Linda, CA. Loma Linda University*

Abstract 254

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

**NEW INSIGHTS INTO PATHOPHYSIOLOGY OF POSTINFECTIOUS IBS.**

*Christopher Chang, University of New Mexico*

## Genetics

Rehearsal Room (Sunset Center)

*Renata Gallagher and Margaret Adam, Presiding*

**12:30 UTILITY OF BROAD SEQUENCING TO REVEAL MTM1 GENE MUTATION CARRIERS WITH HISTORY OF RECURRENT NEONATAL DEATH.**

*VK Berger, A Alsadah and J Shieh, San Francisco, CA. University of California San Francisco*

Abstract 255

**12:45 EFFICACY AND SAFETY OF DIAZOXIDE CHOLINE CONTROLLED RELEASE TABLET IN PRADER-WILLI SYNDROME: RESULTS OF THE DOUBLE-BLIND ARM OF THE STUDY.**

*A Surampalli, M Wencel, J Gold, N Cowen and V Kimonis, Irvine, CA; Loma Linda, CA and Carlsbad, CA. University of California, Irvine (Abbott Subspecialty Award)*

Abstract 256

**1:00 CLINICAL COURSE OF 4 CHILDREN WITH GNAO1 MUTATIONS CAUSING A SEVERE AND DISTINCTIVE MOVEMENT DISORDER.**

*A Ananth, A Robichaux-Viehoever, A Hanson-Kahn, R Cox, G Enns, S Jonathan, M Willing, B Schlaggar, Y Wu and J Bernstein, Stanford, CA; San Francisco, CA; Palo Alto, CA and St. Louis, MO. Stanford University*

Abstract 257

**1:15 ALLAN HERNDON DUDLEY SYNDROME: A CASE REPORT AND REVIEW OF THE LITERATURE.**

*S Dugan, Salt Lake City, UT. University of Utah*

Abstract 258

**1:30 A MASSIVELY PARALLEL APPROACH TO ASSESS THE SEQUENCE-FUNCTION RELATIONSHIP OF RECOMBINASE A.**

*DJ Lawrence, DM Fowler, GR Smith and JD Bloom, Seattle, WA. Fred Hutchinson Cancer Research Center*

Abstract 259

**1:45 DIAGNOSTIC OUTCOMES AND RELATIVE COST OF CLINICAL WHOLE EXOME SEQUENCING.**

*MR Ruzhnikov, A Alsadah, B Mendelsohn, A Alhariri, MR Cilio, Y Wu, EJ Marco, E Hsiao, J Sullivan, J Shieh, A Slavotinek and EH Sherr, Stanford, CA and San Francisco, CA. University of California, San Francisco (WSPR Mead Johnson Travel Award Winner)*

Abstract 260

**2:00 A DOMINANT MUTATION ASSOCIATED WITH BOHRING-OPTIZ SYNDROME REVEALED DURING WHOLE EXOME SEQUENCING ANALYSIS.**

*C Carlston, T Tvrdik, R Mao and H Underhill, Salt Lake City, UT. University of Utah*

- 2:15 EHLERS-DANLOS SYNDROME, PROGEROID TYPE, CAUSED BY A NOVEL MUTATION, P.(CYS324SER) IN B4GALT7 IN A CHILD WITH JOINT LAXITY, GROWTH RETARDATION, DYSMORPHIC FACIAL FEATURES AND NOVEL EYE FINDINGS INCLUDING BILATERAL COLOBOMAS.**

*T Arunrut, M Sabbadini, M Jain, F Scaglia and A Slavotinek, San Francisco, CA and Houston, CA. University of California, San Francisco*

Abstract 262

### Neonatal Pulmonary III

Carpenter Hall

*Parviz Minoo and Virender K. Rehan, Presiding*

- 12:30 MATERNAL RACE/ETHNICITY (RE) AND INFANT GENETIC ANCESTRY ARE ASSOCIATED WITH SURVIVAL WITHOUT BRONCHOPULMONARY DYSPLASIA (BPD) IN PRETERM NEWBORNS TREATED WITH INHALED NITRIC OXIDE (INO).**

*RL Keller, S Oh, D Torgerson, P Ballard, S Huntsman, E Burchard, D Black and R Ballard, San Francisco, CA. University of California, San Francisco*

Abstract 263

- 12:45 EARLY POSTNATAL HYPEROXIA INCREASES LUNG WNT3A AND MMP9 MRNA LEVELS IN GROWTH RESTRICTED RAT PUPS.**

*RA Knecht, Y Yang, C Zou, A Sainz and L Joss-Moore, Salt Lake City, UT. University of Utah*

Abstract 264

- 1:00 INVASIVE MECHANICAL VENTILATION FOR 3 DAYS DOES NOT ALTER PROLIFERATION OF CARDIAC MYOCYTES COMPARED TO NON-INVASIVE NASAL VENTILATION.**

*N Punnaitinont, R Hicks, H Emerson, J Orchard, Z Wang, M Dahl, D Null, B Yoder and K Albertine, Salt Lake City, UT; Appleton, WI and Davis, CA. Lawrence University*

Abstract 265

- 1:15 PERINATAL NICOTINE EXPOSURE INDUCES MESENCHYMAL MYOGENIC DIFFERENTIATION, BUT NOT EPITHELIAL-MESENCHYMAL TRANSITION IN RAT OFFSPRING LUNGS.**

*H Shen, R Sakurai, M Gong, J Liu and VK Rehan, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center*

Abstract 266

- 1:30 FROM MOUSE DEVELOPMENT TO SHEEP LUNG INJURY.**

*NS Bhopal, C Li, M Dahl, K Albertine, D Mathur and P Minoo, Los Angeles, CA and Salt Lake City, UT. LAC+USC Medical Center & Children's Hospital Los Angeles*

Abstract 267

- 1:45 ONE YEAR PULMONARY OUTCOMES IN THE TRIAL OF LATE SURFACTANT (TOLSURF).**  
*RL Keller, E Rogers, E Eichenwald, A Hibbs, D Black, P Ballard and R Ballard, San Francisco, CA; Houston, TX and Cleveland, OH. University of California, San Francisco*  
Abstract 268
- 2:00 VENTILATION AFFECTS MECHANICAL PROPERTIES OF CEREBRAL ARTERIES IN PRETERM LAMBS.**  
*M Converse, K Nye, K Monson and K Albertine, Salt Lake City, UT. University of Utah*  
Abstract 269
- 2:15 RANDOMIZED CONTROLLED TRIAL OF NEBULIZED N-ACETYLCYSTEINE IN A NEWBORN PIG MODEL OF MECONIUM ASPIRATION SYNDROME.**  
*AA Simones, A Lampland, R Reed, M Mammel, C Worwa, M Toombs, A Ginder and KD Roberts, Saint Paul, MN and Minneapolis, MN. University of Minnesota Masonic Children's Hospital (WSPR Mead Johnson Travel Award Winner)*  
Abstract 270
- Neonatology General III**  
All Saints Church, Seccombe Hall  
*Camille Fung and Josephine M. Enciso, Presiding*
- 12:30 EVIDENCE FOR MITOTIC TRANSMISSION OF NICOTINE'S EPIGENETIC EFFECTS ON MALE GONADAL GERM CELL UNDERLYING OFFSPRING LUNG MYOGENIC PHENOTYPE.**  
*M Gong, J Liu, NS Murty and VK Rehan, Torrance, CA. Harbor-UCLA*  
Abstract 271
- 12:45 A 10 YEAR REVIEW OF CENTRAL LINE ASSOCIATED BLOOD STREAM INFECTION PREVENTION EFFORTS IN THE NEONATAL INTENSIVE CARE UNIT: ARE IMPROVEMENTS SUSTAINABLE?**  
*R Koepfel, C UY and K Quan, Orange, CA. University of California, Irvine*  
Abstract 272
- 1:00 INDUCTION OF HEME OXYGENASE-1 ATTENUATES THE SEVERITY OF SEPSIS IN A NON-SURGICAL NEONATAL MOUSE MODEL.**  
*K Fujioka, S Lu, S Wong, F Kalish, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine*  
Abstract 273
- 1:15 A LIPID FORMULATION OF ZINC PROTOPORPHYRIN FOR THE PREVENTION OF NEONATAL HYPERBILIRUBINEMIA DUE TO CHRONIC HEMOLYSIS.**  
*CM Konecny, K Fujioka, S Wong, S Lu, F Kalish, H Zhao, RJ Wong and DK Stevenson, Stanford, CA and La Jolla, CA. Stanford University School of Medicine*  
Abstract 274

**1:30 SURGICAL PROCEDURES INCREASE PROGRESSION AND DURATION OF RETINOPATHY OF PREMATURITY (ROP).**

*C Torr, B Yoder and J Beachy, Salt Lake City, UT. University of Utah*

Abstract 275

**1:45 EFFECT OF ACUTE INTRAUTERINE ISCHEMIA ON NRF2 AND ANTIOXIDANT DEFENSES IN THE RAT PUP BRAIN.**

*E Calma, T Nguyen, M Zhang, T Liu, G Power and AB Blood, Loma Linda, CA. Loma Linda University*

Abstract 276

**2:00 BENZYL ALCOHOL POISONING RESURFACES IN CHRONICALLY VENTILATED PRETERM LAMBS.**

*K Zuspan, S Bowen, C Bradford, L Pettet, M Dahl, D Null, B Yoder, R Ward and K Albertine, Salt Lake City, UT and Davis, CA. University of Utah*

Abstract 277

**2:15 PRETERM BIRTH DECREASES PPAR $\gamma$  PROTEIN ABUNDANCE IN THE ILEUM OF CHRONICALLY VENTILATED PREMATURE LAMBS.**

*LA Ruybal, L Dong, M Dahl, K Albertine and L Joss-Moore, Salt Lake City, UT. University of Utah*

Abstract 278

**Neonatology Perinatal Biology I**

Chapman #4 (Sunset Center)

*Lauren Jantzie and Lisa Joss-Moore, Presiding*

**12:30 EFFECTS OF POST-INJURY DEXAMETHASONE THERAPY ON BRAIN INFARCT SIZE IN A RAT MODEL OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**

*B Harding, Y Li, Q Ma and L Zhang, Loma Linda, CA. Loma Linda University Children's Hospital*

Abstract 279

**12:45 FETAL LEUCINE INFUSION INCREASES LACTATE CONCENTRATIONS IN LATE GESTATION FETAL SHEEP.**

*A Blake, P Rozance, S Wesolowski, R Wilkening, WW Hay and LD Brown, Aurora, CO. University of Colorado*

Abstract 280

**1:00 SKELETAL MUSCLE GROWTH IS RESTRICTED DESPITE MAINTAINED HINDLIMB BLOOD FLOW AND OXYGEN CONSUMPTION IN THE LATE GESTATION IUGR FETUS.**

*L Zastoupil, A Blake, P Rozance, S Wesolowski, WW Hay, R Wilkening and LD Brown, Aurora, CO. University of Colorado School of Medicine*

Abstract 281

- 1:15 DEVELOPMENTAL CHANGES IN ANTIOXIDANT DEFENSES IN THE PERINATAL BRAIN.**  
*L Kim, F Najjar, M Zhang, E Calma, T Nguyen, T Liu, G Power and AB Blood, Redlands, CA. Loma Linda University*  
 Abstract 282
- 1:30 HYDROCORTISONE PROTECTS THE BRAIN FROM HYPOXIC-ISCHEMIC INJURY IN NEONATAL RATS.**  
*KR Salcedo-Concepcion, Y Li and L Zhang, Loma Linda, CA. Loma Linda University*  
 Abstract 283
- 1:45 MATERNAL TOBACCO SMOKE EXPOSURE IMPAIRS PLACENTAL FUNCTION AND INDUCES SEX-SPECIFIC ALTERATIONS IN FETAL FATTY ACIDS.**  
*C Weinheimer, M Fitzhugh, P Singh, Z Wang, J Jenkins, T Larsen, M Baack, K Albertine and L Joss-Moore, Salt Lake City, UT and Sioux Falls, SD. University of Utah (Abbott Subspecialty Award)*  
 Abstract 284
- 2:00 EPITHELIAL MEMBRANE PROTEIN 2 (EMP2) DEFICIENCY ALTERS PLACENTAL ANGIOGENESIS MIMICKING FEATURES OF INTRAUTERINE GROWTH RESTRICTION.**  
*A Chu, C Williams and M Wadehra, Los Angeles, CA and Research Triangle Park, NC. David Geffen School of Medicine at UCLA*  
 Abstract 285
- 2:15 EFFECT OF PERINATAL DEVELOPMENT ON NRF2 AND ANTIOXIDANT DEFENSES IN THE RAT PUP BRAIN.**  
*T Nguyen, E Calma, L Kim, M Zhang, T Liu, G Power and AB Blood, Loma Linda, CA. Loma Linda University*  
 Abstract 286
- Surgery II**  
 Conductor's Room  
*Subhas Gupta and Lee Pu, Presiding*
- 12:30 ENHANCED RECOVERY IN PLASTIC SURGERY: A REVIEW OF THE LITERATURE AND A PROPOSAL OF ACTIONABLE MEASURES.**  
*CV Vu and S Gupta, Westminster, CA. Loma Linda University*  
 Abstract 287
- 12:45 GROWING DISPARITY IN COLLECTION RATES: THE EFFECT OF THE AFFORDABLE CARE ACT IN PLASTIC SURGERY.**  
*I Campwala, N Biskup, S Motakef and S Gupta, Loma Linda, CA. Loma Linda University*  
 Abstract 288

- 1:00 LACK OF INPUT SPECIFICITY, GREAT OUTCOME VARIABILITY, AND IMPRECISE RISK CALCULATIONS: PITFALLS OF THE ACS-NSQIP RISK CALCULATOR IN PLASTIC SURGERY.**  
*C Johnson, I Campwala and S Gupta, Loma Linda, CA. Loma Linda University*  
Abstract 289
- 1:15 PRELIMINARY CLINICAL EXPERIENCE WITH DEOXYCHOLIC ACID IN CONTOURING SUBMENTAL FAT.**  
*DH Lee, J Chidester and S Gupta, Loma Linda, CA. Loma Linda University*  
Abstract 290
- 1:30 MANAGEMENT AND OUTCOMES OF INCIDENTAL DONOR DERIVED PULMONARY EMBOLISM.**  
*GR Dincheva, EL Bush, P Brandenhoff, M Brzezinski, JP Singer and J Kukreja, San Francisco, CA. University of California, San Francisco*  
Abstract 291
- 1:45 A RETROSPECTIVE STUDY ON DEMOGRAPHIC, CLINICAL, AND OUTCOME DATA OF WOMEN UNDERGOING SACROSPINOUS LIGAMENT FIXATION.**  
*RJ Patel, JM Heusinkveld and KD Hatch, Tucson, AZ. University of Arizona*  
Abstract 292
- 2:00 DO CONVERSION TOTAL HIP ARTHROPLASTY YIELD COMPARABLE RESULTS TO PRIMARY TOTAL HIP ARTHROPLASTY?**  
*G Chin, Daly City, CA. University of California, Irvine*  
Abstract 293
- 2:15 CAPITONNAGE FOR SURGICAL TREATMENT OF PULMONARY CYSTIC ECHINOCOCCOSIS: SYSTEMATIC REVIEW AND META-ANALYSIS.**  
*C Logan and P Pottinger, Seattle, WA. University of Washington School of Medicine*  
Abstract 294

**CARMEL RESEARCH PRIZE RECIPIENT PRESENTATION II**

*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**

*Sunset Center – Studio 105*

**Friday, January 29, 2016  
2:35 PM – 3:25 PM**

*Fred Buckner and Paul Rozance, Presiding*

**2:35 INFLUENCE OF PERIPHERAL INSULIN RESISTANCE AND HEPATIC LIPOGENESIS ON LIVER FAT IN OBESE PCOS GIRLS.**  
*Melanie Cree Green, MD, PhD, University of Colorado School of Medicine*

**3:00 PESTICIDES AND PERSISTENT POLLUTANTS: EFFECTS ON CHILD AND ADULT HEALTH.**  
*Jose R Suarez, MD, MPH, PhD, University of California San Diego*

**CONCURRENT SESSIONS**

**Friday, January 29, 2016  
3:30 PM – 6:00 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 and Development.....Chapman #4  
Community Health II.....Promenade Lobby  
Health Care Research II.....Babcock #6  
Hematology and Oncology II.....Carpenter Hall  
Infectious Diseases II.....Bingham Room #3**



Morphogenesis and Malformations.....	Rehearsal Room
Neonatology General IV.....	All Saints Church, Seccombe Hall
Nephrology and Hypertension.....	Green Room
Neuroscience II.....	Conductor's Room
Surgery III.....	Studio 105

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**Behavior and Development**

Chapman #4 (Sunset Center)

*Nicole Tartaglia and Kathleen Angkustsiri, Presiding*

**3:30 ASSOCIATIONS AMONG MOTHER-TODDLER PLAY AND DEVELOPMENT IN PRETERM TODDLERS.**

*N Moss, D Novak, R Rieger, J Fuller, S Erickson and JR Lowe, Albuquerque, NM. University of New Mexico (Abbott Subspecialty Award)*

Abstract 295

**3:45 EXPLORING SEX DIFFERENCES IN AUTISM SPECTRUM DISORDERS USING THE CHARGE STUDY.**

*M White, K Angkustsiri, D Tancredi and R Hansen, Sacramento, CA. University of California, Davis Medical Center*

Abstract 296

**4:00 WHAT MIGHT EXPLAIN SOCIAL IMPAIRMENTS IN CHILDREN WITH CHROMOSOME 22Q11.2 DELETION SYNDROME?**

*K Angkustsiri, I Leckliter and TJ Simon, Sacramento, CA. University of California, Davis Medical Center*

Abstract 297

**4:15 THE EFFECTS OF ANIMAL ASSISTED INTERVENTION ON THE SOCIAL INITIATION BEHAVIORS OF CHILDREN WITH AN AUTISM SPECTRUM DISORDER.**

*H Albasha, M Kelly, J Andrews and S Rice, Oro Valley, AZ. The University of Arizona College of Medicine - Tucson*

Abstract 298

**4:30 State-of-the-Art Speaker  
SLEEP DIFFERENCES IN CHILDREN WITH AUTISM SPECTRUM DISORDERS: RESEARCH UPDATES.**

*Ann Reynolds, University of Colorado School of Medicine*

**5:00 IMPACT OF ERYTHROPOIESIS STIMULATING AGENTS ON BEHAVIORAL MEASURES IN INFANTS BORN PRETERM AND TERM.**

*R Rieger, RA Yeo, S Winter, J Phillips, N Moss, RK Ohls and JR Lowe, Albuquerque, NM and Salt Lake City, UT. University of New Mexico (Abbott Subspecialty Award)*

Abstract 299

- 5:15 DEVELOPMENTAL MILESTONES BOOKLETS AID IN EARLY DIAGNOSIS/INTERVENTION.**  
*P Kaluzhny and S Lee, Las Vegas, NV. University of Nevada School of Medicine*  
 Abstract 300
- 5:30 ADHERENCE TO A DEPRESSIVE DISORDERS CLINICAL PATHWAY IS ASSOCIATED WITH LONGER LENGTH OF STAY.**  
*B Lifland, A Desai, D Wright, R Mangione-Smith and K Schloretd, Seattle, WA. University of Washington School of Medicine*  
 Abstract 301
- 5:45 PARENTAL PERCEPTIONS ABOUT EXERCISE AND ADHD.**  
*SC Cohen, S Taylor, R Rashedi, A Ramakrishnan, R Hansen and J Schweitzer, Sacramento, CA and Davis, CA. University of California, Davis MIND Institute*  
 Abstract 302
- Community Health II**  
 Promenade Lobby (Sunset Center)  
*Jay Erickson, Presiding*
- 3:30 A PROGRESSIVE AND INNOVATIVE APPROACH TO INCREASE THE VARIETY OF RESIDENT EXPOSURE TO UNDERSERVED COMMUNITIES.**  
*SU Das, M Hogan, D Simangan and E Guenechea, Las Vegas, NV. University of Nevada School of Medicine*  
 Abstract 303
- 3:45 BEFORE IT'S TOO LATE ⇒ VACCINATE: SCHOOL BASED VACCINATION CLINIC IN CONRAD, MT.**  
*JS Kranseler, Seattle, WA. University of Washington School of Medicine*  
 Abstract 304
- 4:00 ECOURAGING EARLY LITERACY IN THE SWINOMISH INDIAN TRIBAL COMMUNITY THROUGH REACH OUT AND READ.**  
*LC Thornquist, Seattle, WA. University of Washington*  
 Abstract 305
- 4:15 INCREASING INFANT VACCINATION RATES IN PARK COUNTY, MONTANA BY PRENATAL VACCINATION EDUCATION.**  
*A Seeley, Kirkland, WA. University of Washington School of Medicine*  
 Abstract 306
- 4:30 'NO SMOKING' SIGNS IN THE CITY PARKS OF EPHRATA, WASHINGTON.**  
*DE Marriott, Seattle, WA. University of Washington School of Medicine*  
 Abstract 307
- 4:45 QUALITY IMPROVEMENT INTERVENTION TO IMPROVE ANNUAL PAPANICOLAOU SMEAR RATES AMONG HUMAN IMMUNODEFICIENCY**

**VIRUS-INFECTED WOMEN.**

*V Ganta, D Patel, S Moonie, A Hunt, J Richardson, D Di John and E Ezeanolue, Las Vegas, NV. University of Nevada Medical Center*

Abstract 308

**5:00 ADDICTION BEFORE BIRTH: DRUG ABUSE DURING PREGNANCY.**

*RC Braunberger, Seattle, WA. University of Washington School of Medicine*

Abstract 309

**5:15 SEXUAL HEALTH AWARENESS COURSE AT FORT PECK COMMUNITY COLLEGE: PEER-EDUCATION, PREVENTION, AND TREATMENT OF SEXUALLY TRANSMITTED INFECTIONS.**

*SF Colvin, Seattle, WA. University of Washington School of Medicine*

Abstract 310

**5:30 COMPARING THE EDUCATIONAL OUTCOME OF UNDERREPRESENTED IN MEDICINE (URM) AND NON-URM STUDENT PARTICIPANTS IN A HEALTH ENRICHMENT PROGRAM.**

*N Rezakahn Khajeh, MJ Vennat and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine*

Abstract 311

**5:45 AN EXCHANGE FOR HEALTH: IMPLEMENTING A SYRINGE EXCHANGE PROGRAM IN BROWNING, MT.**

*JL Ebner, Seattle, WA. University of Washington*

Abstract 312

**Health Care Research II**

Babcock #6 (Sunset Center)

*Edward Lee and Kristina Lee Presiding*

**3:30** *State-of-the-Art Speaker*

**QUALITY IMPROVEMENT IN CARDIOVASCULAR DISEASE IN LOW AND MIDDLE INCOME COUNTRIES,**

*Edward Lee, Keck School of Medicine of University of Southern California*

**4:00 PATIENT WRITTEN NOTES AND THEIR USE IN PRIMARY CARE: "I FELT LIKE I WAS ABLE TO BE HEARD".**

*MO Anderson, S Jackson, N Oster, S Peacock and J Elmore, Missoula, MT. University of Washington School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 313

**4:15 PROVIDER/STAFF PERCEPTIONS OF ONLINE PORTAL BARRIERS AND BENEFITS IN A SAFETY NET SETTING.**

*M Shah, L Tieu and CR Lyles, Pomona, CA and San Francisco, CA. Western University of Health Sciences*

Abstract 314

**4:30 LISTENING BEYOND AUSCULTATING: A QUALITY INITIATIVE TO IMPROVE HCAHPS COMMUNICATION SCORES.**

*AN Schneider, E Asher, JR Cartwright, JL Chow, ED Lee, M Nordstrom, MD Schwarz, M Zarin-Pass, L Mazotti and NS Riegels, San Francisco, CA and Oakland, CA. University of California, San Francisco*

Abstract 315

**4:45 PREVALENCE OF HOT THYROID NODULES SUSPICIOUS FOR MALIGNANCY.**

*D Chang, S Lippman, A Semrad and A Swislocki, Martinez, CA and Sacramento, CA. University of California, Davis School of Medicine*

Abstract 316

**5:00 REMOVING BARRIERS TO MEDICATION NON-COMPLIANCE: PATIENTS' USE OF A DRUG PRICE COMPARISON WEBSITE TO REDUCE COSTS AND IMPROVE ADHERENCE.**

*S Orrange, M Ivanova and S Sambasivam, Los Angeles, CA and Cambridge, MA. Keck School of Medicine of University of Southern California*

Abstract 317

**5:15 THE IMPACT OF FIRST RESPONDER TURNOUT SEGMENT ON SURVIVAL FROM OUT-OF-HOSPITAL CARDIAC ARREST.**

*NP DeRuyter, S Husain, L Yin, M Olsufka, AM McCoy, C Maynard, LA Cobb, TD Rea and MR Sayre, Seattle, WA. University of Washington School of Medicine*

Abstract 318

**5:30 PROSPECTIVE COHORT STUDY OF REMOTE EAR DISEASE DIAGNOSIS USING A SMARTPHONE OTOSCOPE.**

*MR LaCourse, M Whipple, C Hume, JD Scott and MG Sardesai, Seattle, WA. University of Washington School of Medicine*

Abstract 319

**5:45 HIGH-FLUENCE LIGHT EMITTING DIODE-GENERATED RED LIGHT MODULATES KEY CELLULAR CHARACTERISTICS OF SKIN FIBROSIS IN HUMAN SKIN FIBROBLASTS.**

*A Mamalis, E Koo and J Jagdeo, Sacramento, CA. University of California, Davis*

Abstract 320

**Hematology and Oncology II**

Carpenter Hall

*Jorge Nieva and Thomas Deloughery, Presiding*

**3:30 PRETREATMENT CLINICAL PROGNOSTIC FACTORS FOR BRAIN METASTASES FROM BREAST CANCER TREATED WITH GAMMA KNIFE RADIOSURGERY.**

*AT Roehrig, EA Ferrel, D Benincosa, B Peressini, A MacKay and CM Lee, Seattle, WA; Spokane, WA and Coeur D'Alene, ID. University of Washington*

Abstract 321

**3:45 EVALUATION OF MICRONUCLEI FREQUENCY IN CULTURED PERIPHERAL BLOOD LYMPHOCYTES OF PROSTATE CANCER PATIENTS BEFORE AND AFTER PROTON RADIOTHERAPY.**

*B Chou, M Vazque and A Bertucci, Colton, CA. Loma Linda University*

Abstract 322

**4:00 ASSESSMENT OF RASSF1C PIRNA-TARGET GENES IN LUNG TUMOR TISSUES.**

*C Sittlinger, O Fawibe, E Ramley, M Firek, Y Amaar and M Reeves, Loma Linda, CA and Collegedale, TN. Loma Linda University School of Medicine*

Abstract 323

**4:15 MINIBEAM THERAPY AND TISSUE SPARING POTENTIAL.**

*A Vasantachart, R Tailor, A Dilmanian, J Eley and S Krishnan, Houston, TX; Stony Brook, NY; Baltimore, MD and Loma Linda, CA. Loma Linda University*

Abstract 324

**4:30 IMMUNOLOGIC PROFILE OF HEAD AND NECK SQUAMOUS CELL CARCINOMA CANCER STEM CELLS.**

*E Warnock, H Serracino, M Glogowska, A van Bokhoven, S Keysar, M Lucia and A Jimeno, Aurora, CO. University of Colorado*

Abstract 325

**4:45 EVALUATION OF MLN0264 AS A NOVEL THERAPY FOR PANCREATIC CANCER.**

*A Schreiber, S Bagby, K Quackenbush, W Messersmith and J Arcaroli, Denver, CO. University of Colorado School of Medicine*

Abstract 326

**5:00 PRECLINICAL EVALUATION OF THE TRANSLATIONAL INHIBITOR SVC112 IN COLORECTAL CANCER.**

*K Robertson, J Tentler, P Klauck, S Bagby, T Pitts, J Kim and S Eckhardt, Aurora, CO. University of Colorado School of Medicine*

Abstract 327

**5:15 CENTRAL LINE ASSOCIATED BLOOD STREAM INFECTIONS IN PEDIATRIC HEMATOLOGY/ONCOLOGY INPATIENTS AND OUTPATIENTS.**

*A Cruickshank, WH Meyer and T Carroll, Edmond, OK and Oklahoma City, OK. University of Oklahoma (WAFMR Scholar Awardee)*

Abstract 328

**5:30 CORRELATION BETWEEN EPITHELIAL-MESENCHYMAL TRANSITION**

**AND INVASIVENESS IN OVARIAN CANCER CELL LINES AND  
ORTHOTOPIC XENOGRAFT.**

*M McCarthy, H Campos, T Suzuki, A Hill, L Sanderman and J Unternaehrer, Loma  
Linda, CA. Loma Linda University*

Abstract 329

**5:45 QUALITY OF ONLINE RESOURCES FOR PANCREATIC CANCER PATIENTS.**

*L DeGroot and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University  
of British Columbia*

Abstract 330

**Infectious Diseases II**

Bingham Room #3 (Sunset Center)

*Ravi Durvasula, Fred Buckner and David Gilbert, Presiding*

**3:30 IDENTIFYING MEN WHO HAVE SEX WITH MEN AND TRANSGENDER  
WOMEN WHO HAVE POOR LINKAGE TO HIV CARE IN LIMA, PERU.**

*A Primbas, M Villaran and A Duerr, Seattle, WA and Lima, Peru. University of  
Washington School of Medicine*

Abstract 331

**3:45 EFFECTS OF INTERFERON GAMMA ON THE RESPIRATORY BURST OF  
VARIANT X-LINKED CHRONIC GRANULOMATOUS DISEASE PATIENTS  
VERSUS CLASSIC X-LINKED DISEASE.**

*HR Hill, NH Augustine, LA Miles, J Rejali, KO Woodbury, B Pasi, TB Martins and A  
Kumanovics, Salt Lake City, UT. University of Utah*

Abstract 332

**4:00 DISSEMINATED COCCIDIOIDOMYCOSIS IN CHILDREN.**

*JM Lee, M Tablizo and A Graciano, Fresno, CA and Madera, CA. University of  
California, Fresno*

Abstract 333

**4:15 IMPACT OF RAPID ORGANISM IDENTIFICATION WITH MATRIX-  
ASSISTED LASER DESORPTION/IONIZATION TIME-OF-FLIGHT ON  
OUTCOMES IN HOSPITALIZED PEDIATRIC PATIENTS.**

*L Herrera, K Culbreath and W Dehority, Albuquerque, NM. University of New Mexico  
School of Medicine*

Abstract 334

**4:30 SALMONELLA OSTEOMYELITIS IN IMMUNOCOMPETENT CHILDREN: A  
CASE SERIES AND REVIEW OF THE LITERATURE.**

*DF Pavlik, A Gill, M Muller, J Eldredge, M Eickman and W Dehority, Albuquerque, NM.  
University of New Mexico (WAFMR/WAP Outstanding Resident Award Winner)*

Abstract 335

**4:45 EFFECTIVENESS OF POWERPOINT PRESENTATIONS IN TEACHING**

**EMERGENT DERMATOSIS TO PEDIATRIC RESIDENTS.**

*GG Still, H Chandnani, S Palathumpat, and O Ingaramo, Las Vegas, NV. University of Nevada Medical Center*

Abstract 336

**5:00 EXPRESSION PATTERNS OF HEME OXYGENASE-1 IN IMMUNE CELLS DURING LATE GESTATIONAL INFLAMMATION.**

*M Ozen, H Zhao, F Kalish, Y Yang, DB Lewis, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WAFMR Scholar Awardee)*

Abstract 337

**Morphogenesis and Malformations**

Rehearsal Room (Sunset Center)

*Marilyn C. Jones and Margaret Adam, Presiding*

**3:30** *State-of-the-Art Speaker*

**THE CELLULAR AND MOLECULAR MECHANISMS UNDERLYING UNUSUAL INHERITANCE IN CRANIOFRONTONASAL SYNDROME.**

*Jeffrey O. Bush, University of California, San Francisco*

**4:00 MICROPHTHALMIA WITH LIMB ANOMALIES (MIM #206920). A RECOGNIZABLE SYNDROME INVOLVING THE DEVELOPMENT OF THE EYES, BRAIN AND LIMBS.**

*M Del Campo, I Odom, L Gist, J Dwek and KL Jones, La Jolla, CA. University of California San Diego*

Abstract 338

**4:15 CHEST WALL ASYMMETRY AND ABSENT LUNG IN UNIPARENTAL DISOMY 16.**

*T Wilson, S Dugan and JC Carey, Salt Lake City, UT. University of Utah (WSPR Mead Johnson Travel Award Winner)*

Abstract 339

**4:30 CLASSIFYING CONGENITAL DEFECTS BY CAUSE AND CLINICAL PRESENTATION: A POPULATION-BASED STUDY IN UTAH.**

*ML Feldkamp, LD Botto, J Byrne, S Krikov and JC Carey, Salt Lake City, UT. University of Utah*

Abstract 340

**4:45 MESODERM LOSS OF SONIC HEDGEHOG AND TGF-BETA SIGNALING CAUSE TRACHEAL MALFORMATIONS.**

*D Mathur, NS Bhopal, A Fischer and P Minoo, Los Angeles, CA. LAC + USC Medical Center (Abbott Subspecialty Award)*

Abstract 341

**5:00 FUNCTIONAL ENGRAFTMENT OF MURINE MC3T3-E1 PRE-**

**OSTEOBLASTIC CELLS IN A ZEBRAFISH MODEL OF EPIMORPHIC REGENERATION.**

*BG Douglass, RY Kwon and CH Allan, Seattle, WA. University of Washington*

Abstract 342

**5:15 CRANIOSYNOSTOSIS: VARIANT SEQUENCE ANALYSIS OF THE THYROID SIGNALING PATHWAY.**

*AE Lewis, Seattle, WA. University of Washington School of Medicine*

Abstract 343

**5:30 GASTROINTESTINAL FEATURES IN A NEWBORN WITH CURRY-JONES SYNDROME.**

*K Wigby, R Broderick, J Law, KP Davenport, S Bickler and MC Jones, San Diego, CA. University of California San Diego*

Abstract 344

**5:45 A NOVEL *DE NOVO* MUTATION IN *CACNA1A* IS ASSOCIATED WITH ATYPICAL NEUROLOGICAL FEATURES AND MITOCHONDRIAL DYSFUNCTION.**

*NN Derar, C Brown, J Platt and G Enns, Stanford, CA and Pleasant Hill, CA. Stanford University*

Abstract 345

**Neonatology General IV**

All Saints Church, Seccombe Hall

*Robin K. Ohls and Sonia Bonifacio, Presiding*

**3:30 JOAN E. HODGMAN LECTURE:  
GLOBAL CHILD HEALTH-2015 AND BEYOND. THE MOVING PARTS.**

*William Keenan, Saint Louis University School of Medicine*

**4:00 DELAYED EPO THERAPY IMPROVES BEHAVIORAL AND HISTOLOGICAL OUTCOMES AFTER NEONATAL RODENT STROKE.**

*A Larphaveesarp, M Georgevits, D Ferriero and F Gonzalez, San Francisco, CA.*

*University of California, San Francisco*

Abstract 346

**4:15 A PHASE II RANDOMIZED CONTROLLED TRIAL OF ERYTHROPOIETIN AND HYPOTHERMIA FOR NEONATAL NEUROPROTECION IN HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**

*S Juul, F Gonzalez, K Van Meurs, R Ballard and Y Wu, for the NEATO Trial Group, Palo Alto, CA; San Francisco, CA and Seattle, WA. University of California, San Francisco*

Abstract 347

**4:30 DECREASED RISK OF CEREBELLAR HEMORRHAGE IN PREMATURE NEWBORNS EXPOSED TO ANTENATAL MAGNESIUM SULFATE.**



*D Gano, M Ho, HC Glass, D Xu, AJ Barkovich and D Ferriero, San Francisco, CA.  
University of California, San Francisco (WSPR Mead Johnson Travel Award Winner)*  
Abstract 348

**4:45 MEASURING CALPROTECTIN IN STOOL AS PART OF THE "RULE OUT  
NECROTIZING ENTEROCOLITIS" EVALUATION.**

*B MacQueen, R Christensen, D Lambert, V Baer, M Sheffield, C Yost, E Gerday, R  
Schlaberg, J Lowe, J Shepard and M Cody, Salt Lake City, UT. University of Utah  
(Abbott Subspecialty Award)*

Abstract 349

**5:00 OUTCOMES OF EXTREMELY LOW BIRTH WEIGHT INFANTS WITH  
TRANSIENT HYPERGLYCEMIA TREATED WITH INSULIN.**

*K Barseghyan, R Ramanathan, L Barton and R Cayabyab, Los Angeles, CA. LAC+USC  
Abstract 350*

**5:15 IDENTIFICATION OF NEONATAL HEMOLYSIS IN THE WELL BABY  
NURSERY.**

*S Srinivas, ME Castillo Cuadrado, RJ Wong, DK Stevenson and VK Bhutani, Stanford,  
CA. Stanford University School of Medicine*

Abstract 351

**5:30 NON-INVASIVE VENTILATION AND THE EFFECT ON INTUBATION IN  
NEWBORNS WITH RESPIRATORY DISTRESS SYNDROME: A POPULATION  
BASED STUDY.**

*T Chavez, A Lakshmanan, NP Iyer, T Stavroudis, A Garingo, PS Friedlich and R  
Ramanathan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical  
Center, Keck School of Medicine, University of Southern California*

Abstract 352

**5:45 IMPACT OF EXTRACORPOREAL MEMBRANE OXYGENATION ON  
CEREBRAL METABOLISM IN THE NEWBORN BRAIN.**

*AJ Reitman, PS Friedlich, J Stein, L Paquette, R Chapman, MD Nelson, JL Wisnowski  
and S Bluml, Los Angeles, CA. LAC+USC Medical Center, Keck School of Medicine of  
University of Southern California*

Abstract 353

**Nephrology and Hypertension**

Green Room (Sunset Center)

*Charles Edelstein, Presiding*

**3:30 ASSESSMENT OF URINE PROTEIN DIPSTICK AND PROTEIN/CREATININE  
RATIO AS DIAGNOSTIC TESTS IN CHILDHOOD NEPHROTIC SYNDROME.**

*A Sanchez, D Matsell, L Wang, M Catapang, NM Polderman, A Roshan and C Mammen,  
Vancouver, BC, Canada. University of British Columbia*

Abstract 354

**3:45 PHYSICAL ACTIVITY AND METABOLIC HEALTH IN CHRONIC KIDNEY DISEASE.**

*WE Bowlby, L Zelnick, C Robinson-Cohen and IH DeBoer, Seattle, WA. University of Washington*

Abstract 355

**4:00 RENAL OUTCOMES IN PEDIATRIC ANTI-NEUTROPHIL CYTOPLASMIC ANTIBODY ASSOCIATED VASCULITIS - A PEDIATRIC VASCULITIS INITIATIVE (PEDVAS) STUDY.**

*A Chen, C Mammen, D Cabral and K Morishita, Vancouver, BC, Canada. University of British Columbia*

Abstract 356

**4:15 COMPLEMENT INHIBITION FOR PREVENTION AND TREATMENT OF ANTIBODY-MEDIATED REJECTION.**

*SC Jordan, J Choi and A Vo, Los Angeles, CA. Cedars-Sinai Medical Center*

Abstract 357

**4:30 NF-KB TRANSCRIPTIONAL INHIBITION AMELIORATES CISPLATIN-INDUCED ACUTE KIDNEY INJURY (AKI).**

*C Edelstein, A Ozkok, Q Wang, D Ljubanovic and K Ravichandran, Aurora, CO and Zagreb, Croatia. University of Colorado Denver*

Abstract 358

**4:45 DYING MITOCHONDRIA: REDUCTION OF MITOCHONDRIAL PROTEINS IN PROGRESSIVE KIDNEY DISEASE.**

*Y Aghajan, M Darshi, S Miyamoto and K Sharma, San Diego, CA. University of California, San Diego (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 359

**Neuroscience II**

Conductor's Room

*Marie-Francoise Chesselet, Presiding*

**3:30 THE ROLE OF DIACYLGLYCEROL LIPASE IN THE TESTOSTERONE-INDUCED ENHANCEMENT OF RETROGRADE ENDOCANNABINOID SIGNALING IN EXCITATORY INPUTS TO ANOREXIGENIC PRO-OPIOMELANOCORTIN NEURONS.**

*JL Goethel and E Wagner, Pomona, CA. Western University of Health Sciences*

Abstract 360

**3:45 ANDROGENS RAPIDLY POTENTIATE RETROGRADE ENDOCANNABINOID-MEDIATED INHIBITION OF ANOREXIGENIC POMC NEURONS.**

*D Fischer and E Wagner, Pomona, CA. Western University of Health Sciences*

Abstract 361

**4:00 THE ROLE OF DIACYLGLYCEROL LIPASE IN THE ANDROGENIC**

**REGULATION OF ENERGY HOMEOSTASIS.**

*R Propst and E Wagner, Ontario, CA. Western University of Health Sciences*

Abstract 362

**4:15 CALPAIN-2 AND PROTEIN TYROSINE PHOSPHATASE NON-RECEPTOR TYPE 13 COLOCALIZATION IN HIPPOCAMPUS OF ADULT WILDTYPE MICE.**

*A Kamgar-Parsi, M Baudry and Y Wang, Pomona, CA. Western University of Health Sciences*

Abstract 363

**4:30 IN UTERO HYPOXIA-ISCHEMIA AND LIPOPOLYSACCHARIDE ADMINISTRATION IN RATS INDUCES DEFICITS IN COGNITION EVALUATED USING A NOVEL TOUCHSCREEN PLATFORM.**

*L Chan, S Robinson and L Jantzie, Albuquerque, NM and Boston, MA. University of New Mexico*

Abstract 364

**4:45 INFANTILE TRAUMATIC BRAIN INJURY IS MITIGATED BY ERYTHROPOIETIN TREATMENT IN A PRECLINICAL RODENT MODEL.**

*L Chan, J Denson, J Winer, J Maxwell, S Robinson and L Jantzie, Albuquerque, NM and Boston, MA. University of New Mexico*

Abstract 365

**5:00 OXIDATIVELY DEGRADED MITOCHONDRIAL DNA IS A NEWLY IDENTIFIED DAMP FAMILY MEMBER IN ASTROCYTES, AND POTENTIAL TRIGGER OF ALZHEIMER'S DISEASE.**

*A Mathew and S Hushmendy, Albany, NY. Albany Medical Center*

Abstract 366

**5:15 LEARNING AND MEMORY TESTING IN LAMBS.**

*S Bowen, A Havlicak, J Beachy, M Dahl, D Null, B Yoder and K Albertine, Salt Lake City, UT, New York, NY and Davis, CA. University of Utah*

Abstract 367

**Surgery III**

Studio 105 (Sunset Center)

*Subhas Gupta and Lee Pu, Presiding*

**3:30 SAFETY AND EFFICACY OF LIPOSOMAL BUPIVICAINE ACROSS A SPECTRUM OF PLASTIC SURGERY PROCEDURES.**

*I Campwala, J Chidester and S Gupta, Loma Linda, CA. Loma Linda University*

Abstract 368

**3:45 AN EVALUATION OF ANTIHISTAMINE PRE-TREATMENT IN FACIAL INJECTABLE TREATMENTS.**

*J Wendt, J Chidester and S Gupta, Loma Linda, CA. Loma Linda University*

Abstract 369

**4:00 INTEGRA FLOWABLE WOUND MATRIX AND THE LOWER EXTREMITY:  
IMPLICATIONS FOR THE RECONSTRUCTIVE LADDER.**

*C Johnson and S Gupta, Loma Linda, CA. Loma Linda University*

Abstract 370

**4:15 SPIDER SILK AS A NEXT GENERATION SUTURE.**

*ME Shapiro, Seattle, WA. University of Washington*

Abstract 371

**4:30 VAGINAL WALL SLING: PILOT STUDY OUTCOMES AND VIDEO  
DEMONSTRATION OF TECHNIQUE.**

*S Cheriyan, J Bailey, KY Kim, M Keheila, J Shen and A Staack, Loma Linda, CA and Redlands, CA. Loma Linda University*

Abstract 372

**4:45 DEVELOPMENT OF AN IMPLANTABLE CHITOSAN HEMOSTAT.**

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

Abstract 373

**5:00 EFFICACY OF ANTEGRADE AND RETROGRADE WARM SALINE  
PERFUSION DURING RENAL CRYOABLATION FOR URETERAL  
PRESERVATION.**

*A Erskine, N Khater, P Yang, J Smith and D Baldwin, Loma Linda, CA. Loma Linda University*

Abstract 374

**5:15 AN ANALYSIS OF INFECTIOUS RISK FROM ENDOSCOPIC VALVE  
BACKFLOW DURING URETEROSCOPY.**

*AR Kutzner, J Shen, S Abourbih, C Ritchie, D Baldwin and A Erskine, Colton, CA. Loma Linda University*

Abstract 375

**5:30 DAMAGE TO POLYTETRAFLUOROETHYLENE-COATED GUIDEWIRES: A  
POTENTIAL FOREIGN BODY RISK.**

*AL Wong, A Erskine, AR Kutzner, S Abourbih, S Cheriyan, P Yang, DS Boskovic and D Baldwin, Loma Linda, CA. Loma Linda University*

Abstract 376

**5:45 INCIDENCE AND RISKS IN THE DEVELOPMENT OF PIN-SITE INFECTIONS  
AFTER PELVIC EXTERNAL FIXATION.**

*C McDonald, R Firoozabadi, J Agel and C Kleweno, Seattle, WA. University of Washington School of Medicine*

Abstract 377

**CONCURRENT SESSIONS**

**Saturday, January 30, 2016**

**8:00 AM – 10:00 AM**

*Jointly sponsored by*

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

**Adolescent Medicine and General Pediatrics III.....Rehearsal Room  
Community Health III.....Conductor's Room  
Endocrinology and Metabolism III.....Bingham Room #3  
General Internal Medicine and Aging.....Babcock #6  
Neonatology General V.....Carpenter Hall  
Neonatology Perinatal Biology II.....Studio 105  
Pulmonary and Critical Care II.....Promenade Lobby  
Surgery IV.....Green Room**

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**Adolescent Medicine and General Pediatrics III**

Rehearsal Room (Sunset Center)

*Craig Wong and Walter Dehority, Presiding*

**8:00 A CLOSE LOOK AT THE USE OF HYPERTONIC SALINE AND HIGH FLOW OXYGEN IN PEDIATRIC PATIENTS HOSPITALIZED WITH RESPIRATORY SYNCYTIAL VIRUS.**

*C Mercurio, J Green and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine*

Abstract 378

**8:15 COMPARING THE HABITS AND GOALS OF UNDERPREVILEGED AND PRIVILEGED YOUTH.**

*K Nikroo, Irvine, CA. University of California, Irvine*

Abstract 379

**8:30 THE VALUE OF THROMBOPROPHYLAXIS IN PEDIATRIC CANCER PATIENTS WITH CENTRAL VENOUS CATHETERS (CVC): A CLOSER LOOK AT THE LITERATURE.**

*F Aguirre, L Sekiguchi, KJ Yeung, M Alcaide, J Epstein, N Chintalapati, A Le, A Mehta and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine*

Abstract 380

**8:45 EFFECTS OF RISPERIDONE USE IN PEDIATRIC POPULATION WITH**

**ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD).**

*AJ Garcia, N Kim, J Chang, S Ravikumar, A Morehouse, A Sidhu, A Lee and B Afghani, Los Angeles, CA; Irvine, CA and Orange, CA. University of California, Los Angeles*

Abstract 381

**9:00 COMMUNITY ACQUIRED- METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS (CA-MRSA) INDUCED NECK ABSCESS ASSOCIATED WITH STRIDOR IN A 2-MONTH-OLD INFANT.**

*BH Hammond and H Agarwal, Albuquerque, NM. University of New Mexico*

Abstract 382

**9:15 DIETARY INTAKES AND GROWTH PATTERNS IN FORMULA-FED INFANTS CONSUMING A MEAT OR DAIRY-BASED COMPLEMENTARY DIET.**

*KE Griese, M Tang, NF Krebs and AE Hendricks, Aurora, CO. University of Colorado Denver School of Medicine*

Abstract 383

**9:30 IDIOPATHIC PULMONARY HEMOSIDEROSIS PRESENTING AS SEVERE ANEMIA: A CASE REPORT.**

*M Cohen and C Nakamura, Las Vegas, NV. University of Nevada*

Abstract 384

**9:45 NUTRITIONAL INTAKE OF CHILDREN WITH NEPHROTIC SYNDROME.**

*NM Polderman, M Cushing, D Matsell, M Catapang, A Sanchez and C Mammen, Vancouver, BC, Canada. British Columbia Children's Hospital*

Abstract 385

**Community Health III**

Conductor's Room

*Martin Teintze, Presiding*

**8:00 MEDIA LITERACY EDUCATION TO PREVENT ELECTRONIC NICOTINE DELIVERY SYSTEM USE BY ADOLESCENTS.**

*A Watson, Seattle, WA. University of Washington School of Medicine*

Abstract 386

**8:15 OBESITY AND DIABETES PREVENTION EDUCATION IN LINCOLN PUBLIC SCHOOLS.**

*H Kibort-Crocker, Seattle, WA. University of Washington School of Medicine*

Abstract 387

**8:30 SAFE OTC: A COMMUNITY EDUCATION CAMPAIGN IN POWELL, WY.**

*CV Jackson, Seattle, WA. University of Washington School of Medicine*

Abstract 388

**8:45 EVALUATION OF A COMMUNITY-BASED HEALTH EDUCATION INTERVENTION TO IMPROVE EARLY CHILDHOOD NUTRITION IN RURAL**

**KENYA.**

*L Matheson, S Walton, N Kotadia, D Webster and V Kapoor, Vancouver, BC, Canada.  
University of British Columbia*

Abstract 389

**9:00 EVALUATION OF HAND HYGIENE KNOWLEDGE, PRACTICES, AND BARRIERS IN RURAL UGANDA.**

*PJ Hemmons, T Okuda, V Fung, A Geddes and V Kapoor, Vancouver, BC, Canada.  
University of British Columbia*

Abstract 390

**9:15 HELPING THE PRE-DIABETIC AND OVERWEIGHT OF MILES CITY ACCESS THE RESOURCES TO PREVENT DIABETES.**

*B Murphy, Seattle, WA. University of Washington*

Abstract 391

**9:30 EXPANDING ACCESS OF INTRANASAL NALOXONE TO COLUMBIA COUNTY EMERGENCY MEDICAL TECHNICIANS.**

*T Hughes, Spokane, WA. University of Washington*

Abstract 392

**9:45 TATTOO REGULATIONS: PERMANENT REGULATIONS TO GET INKED IN BUFFALO, WYOMING.**

*M Johnson, Seattle, WA. University of Washington School of Medicine*

Abstract 393

**Endocrinology and Metabolism III**

Bingham Room #3 (Sunset Center)

*Kristina M. Utzschneider and Katya Rubinow, Presiding*

**8:00 TWO NEW GENES INVOLVED IN LIPID METABOLISM?**

*JM Yaghoubian, N Ehrhardt, JW Burke, U Tan, M Peterfy and S Fuchs, Los Angeles, CA and Pomona, CA. Western University of Health Sciences (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 394

**8:15 LOW INHIBIN B CORRELATES WITH FEATURES OF METABOLIC SYNDROME IN PREPUBERTAL BOYS WITH KLINEFELTER SYNDROME.**

*S Davis, N Lalou, M Bardsley, M Temple, K Kowal and J Ross, Aurora, CO; Paris, France and Philadelphia, PA. University of Colorado (WAFMR Scholar Awardee)*

Abstract 395

**8:30 EXPLORING THIOREDOXIN INTERACTING PROTEIN REGULATED METABOLISM IN ANAPLASTIC THYROID CANCER.**

*LJ Hostetter, J Morrison, V Sharma, J Severson and B Haugen, Denver, CO. University of Colorado Denver School of Medicine*

- Abstract 396
- 8:45 MACROPHAGES SECRETE ESTROGENS WITH EVIDENCE FOR POTENTIAL DE NOVO STEROIDOGENESIS.**  
S Wang, A Chait and K Rubinow, Seattle, WA. *University of Washington (WSCI Travel Award Winner)*
- Abstract 397
- 9:00 ROLE OF LIPOPROTEIN LIPASE IN NEURONS OF THE BRAIN.**  
I Rudenko, K Bruce, H Wang and R Eckel, Denver, CO. *University of Colorado School of Medicine*
- Abstract 398
- 9:15 CONTROL OF LIPID DROPLET SIGNALING IN MURINE SPERMATOZOA.**  
B Tully, J Duke, K Roberts and T Chauvin, Seattle, WA and Spokane, WA. *University of Washington School of Medicine*
- Abstract 399
- 9:30 ADRENAL INSUFFICIENCY IN EOSINOPHILIC ESOPHAGITIS PATIENTS TREATED WITH SWALLOWED TOPICAL STEROIDS.**  
H Rahat, C Wood, G Furuta, D Atkins and S Hsu, Aurora, CO. *Children's Hospital Colorado*
- Abstract 400
- 9:45 MODY3 AND DIABETES TYPE 2 COMBINE TO YIELD STUBBORN BLOOD SUGAR MANAGEMENT.**  
J Vercollone, Seattle, WA. *University of Washington*
- Abstract 401
- General Internal Medicine and Aging**  
Babcock #6 (Sunset Center)  
David Schade, Presiding
- 8:00 A RARE COMPLICATION OF A COMMON OBESITY PROCEDURE.**  
L Ereifej, R Crowell and D Schade, Albuquerque, NM. *University of New Mexico*
- Abstract 402
- 8:15 DOES ASTHMA INCREASE CARDIOVASCULAR RISK IN TYPE 2 DIABETES?**  
MD Ehrhart, C Murray-Krezan, F Qeadan and MR Burge, Albuquerque, NM. *University of New Mexico*
- Abstract 403
- 8:30 MORTALITY DIFFERENTIALS IN U.S. CHINESE AND JAPANESE NATIVES AND IMMIGRANTS COMPARED TO RESPECTIVE COUNTRIES OF ORIGIN: 2003-2011.**  
K Hastings, D Boothroyd, K Eggleston, M Cullen and L Palaniappan, Oakland, CA. *Stanford University*
- Abstract 404



- 8:45 PHYSICAL ACTIVITY, BODY FATNESS, AND VISCERAL ADIPOSITY IN OVERWEIGHT LATINO AND NON-LATINO ADULTS.**  
*NA Cameron, J Godino, J Nichols, D Wing, L Hill and K Patrick, La Jolla, CA. University of California, San Diego School of Medicine*  
 Abstract 405
- 9:00 PSYCHOSOCIAL INDICATORS AND PHYSICAL ACTIVITY AND FUNCTIONING IN A COHORT OF COMMUNITY DWELLING OLDER ADULTS.**  
*I Lin, D Coon, K O'Connor, M Malek-Ahmadi and J Mohler, Tucson, AZ; Phoenix, AZ and Sun City, AZ. University of Arizona (WAFMR/WAP Student Subspecialty Award Winner)*  
 Abstract 406
- 9:15 SAD, ANXIOUS, AND PLANNING FOR THE FUTURE: ARE DEPRESSION AND ANXIETY ASSOCIATED WITH ADVANCE CARE PLANNING?**  
*Y Ramos, R McMahan, R Ramos, S Osua and R Sudore, MD, Seattle, WA and San Francisco, CA. University of Washington School of Medicine*  
 Abstract 407
- 9:30 REASONS FOR DISCHARGE FROM A LARGE OPIOID PRESCRIBING REGISTRY: A RETROSPECTIVE ANALYSIS.**  
*MS Novack, J James, S Jackson, C McKinney, J Merrill and J Klein, Spokane, WA and Seattle, WA. University of Washington School of Medicine*  
 Abstract 408

**Neonatology General V**

Carpenter Hall

*Jae Kim and Thomas Shimotake, Presiding*

- 8:00 THE CHANGING PATTERN OF PROCEDURES PERFORMED IN NEWBORNS IN THE STATE OF CALIFORNIA.**  
*T Stavroudis, T Chavez, PS Friedlich, A Garingo, FB Wertheimer and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine, University of Southern California*  
 Abstract 410
- 8:15 UTILIZATION PATTERNS OF EXTRACORPOREAL MEMBRANE OXYGENATION IN NEONATES IN THE UNITED STATES 1997-2012.**  
*A Song, R Chapman, PS Friedlich and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles*  
 Abstract 411
- 8:30 RESOURCE UTILIZATION FOR NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA IN THE UNITED STATES 1997-2012.**  
*A Song, PS Friedlich, R Chapman, R Burke, J Upperman, J Stein and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles*

Abstract 412

**8:45 EPIDIMIOLOGY OF APPARENT LIFE THREATENING EVENTS (ALTE) IN INFANTS IN CALIFORNIA.**

*ED Deribssa, A Lakshmanan, J Shepherd, PS Friedlich, A Mikhail and A Song, Los Angeles, CA and Los Angeles, CA. University of Southern California*

Abstract 413

**9:00 PATTERNS AND PREDICTORS OF RESOURCE UTILIZATION IN NEONATES RECEIVING EXTRACORPOREAL MEMBRANE OXYGENATION IN THE STATE OF CALIFORNIA FROM 2006-2010.**

*G Chen, A Song, A Lakshmanan, PS Friedlich and R Chapman, Arcadia, CA and Los Angeles, CA. University of Southern California*

Abstract 414

**9:15 HOSPITAL MANAGEMENT OF PATENT DUCTUS ARTERIOSUS IN CALIFORNIA.**

*S Ngo, J Profit, J Gould and HC Lee, Berkeley, CA and Palo Alto, CA. University of California, Berkeley*

Abstract 415

**9:30 EVALUATION OF BIRTH ATTENDANT COMPLIANCE WITH RATIONAL IMMEDIATE NEBORN CARE AND NEONATAL ASPHYXIA INTERVENTION PRACTICES IN AN INDIAN PEDIATRIC HOSPITAL.**

*C Orlando, A Allen, M Parkinson, D Shapiro and B Fassl, Centerville, UT. University of Utah School of Medicine*

Abstract 416

**9:45 SERIAL FOLLOW UP OF MENTAL HEALTH IN LOW-INCOME MOTHERS AFTER NICU DISCHARGE.**

*NG Lynch, AM Yeh, A Diamond, N Flores, J Eshagian, R Polcyn, A Pham, M Williams, DL Vanderbilt, PS Friedlich and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine of University of Southern California*

Abstract 417

**Neonatology – Perinatal Biology II**

Studio 105 (Sunset Center)

*Laura D. Brown and Kurt Albertine, Presiding*

**8:00 PRE-ECLAMPSIA AND INFLAMMATORY PRETERM LABOR ALTER THE HUMAN PLACENTAL HEMATOPOIETIC NICHE.**

*KL Ponder, A Bárcena, FL Bos, M Gormley, Y Zhou, K Ona-Vu, M Kapidzic, AC Zovein and SJ Fisher, San Francisco, CA. University of California, San Francisco*

Abstract 418

**8:15 ADIPONECTIN SUPPLEMENTATION IN PREGNANT MICE IMPROVES**

**GLUCOSE TOLERANCE IN OFFSPRING.**

*M Gossling, FJ Rosario, T Jansson and T Powell, Aurora, CO. University of Colorado (WSPR Mead Johnson Travel Award Winner)*

Abstract 419

**8:30 UNIVERSITY OF COLORADO FRED BATTAGLIA STATE-OF-THE-ART SPEAKER**

**INTERPRETING PERINATAL CARDIAC GROWTH.**

*Sonnet Jonker, Oregon Health Sciences Center*

**9:00 SYNCHRONOUS ABERRANT CEREBELLAR AND OPERCULAR DEVELOPMENT IN FETUSES AND NEONATES WITH CONGENITAL HEART DISEASE.**

*A Wong, T Chavez, H Lai, L Paquette and A Panigrahy, Los Angeles, CA; Valhalla, NY and Pittsburgh, PA. New York Medical College*

Abstract 420

**9:15 SERIAL CEREBELLAR AND OPERCULAR STRUCTURAL DEVELOPMENT OF FETUSES AND NEONATES WITH CONGENITAL HEART DISEASE (CHD) CORRELATED WITH EARLY NEURODEVELOPMENTAL OUTCOMES.**

*A Wong, S O'Neil, T Chavez, H Lai, A Panigrahy and L Paquette, Los Angeles, CA; Valhalla, NY and Pittsburgh, PA. New York Medical College*

Abstract 421

**9:30 ANTENATAL VITAMIN D PRESERVES PLACENTAL WEIGHT AND VESSEL DENSITY AND FETAL GROWTH AFTER INTRA-AMNIOTIC ENDOTOXIN EXPOSURE.**

*MW Cookson, R Sharon, G Seedorf, B Dodson, SH Abman and E Mandell, Denver, CO and Aurora, CO. University of Colorado*

Abstract 422

**9:45 THE USE OF HEPATOBILIARY SCINTIGRAPHY IN DIAGNOSING BILIARY ATRESIA IN INFANTS WITH CONJUGATED HYPERBILIRUBINEMIA WHO RECEIVED PARENTERAL NUTRITION.**

*K Barseghyan, C McLean, T Chavez and R Ramanathan, Los Angeles, CA. LAC+USC*

Abstract 423

**Pulmonary and Critical Care II**

Promenade Lobby (Sunset Center)

*Philippe Montgrain, Presiding*

**8:00 PRESENTING ILLNESS AND MORTALITY OUTCOMES IN PATIENTS INTUBATED IN THE EMERGENCY DEPARTMENT.**

*J Yeaton, AE Pickering, T Durns, R Miller, Z Roward and L DeLuca, Tucson, AZ. University of Arizona*

Abstract 424

**8:15 THE EFFECT OF PRESENTING COMPLAINT ON THE RISK OF DEVELOPING VENTILATOR-ASSOCIATED PNEUMONIA FOR PATIENTS INTUBATED IN AN ACADEMIC EMERGENCY DEPARTMENT.**

*AE Pickering, J Yeaton, T Durns, R Miller, Z Roward and L DeLuca, Tucson, AZ and Tucson, AR. University of Arizona Tucson*

Abstract 425

**8:30 GENETIC NETWORK IDENTIFICATION, INTERACTION, AND VARIABLE EXPRESSION IN MUC5B VARIANT IDIOPATHIC PULMONARY FIBROSIS.**

*K Lind, A Walts, A Thor, I Yang and D Schwartz, Greenwood Village, CO. University of Colorado School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 426

**8:45 IN VIVO MEASUREMENT OF MOUSE ENDOTHELIAL SURFACE LAYER IN SURFACE CORTICAL MICROVASCULATURE.**

*MJ Perez, J Ford, Y Yang and E Schmidt, Denver, CO. University of Colorado School of Medicine*

Abstract 427

**9:00 EXPLORING THE ANTI-INFLAMMATORY EFFECTS OF THE AMYLOIDOGENIC HEXAPEPTIDE, AMYLIN28-33, IN SEPSIS.**

*S Mahapatra, M Kurnellas, J Rothbard, D Cornfield and L Steinman, Palo Alto, CA; Omaha, NE and Stanford, CA. Stanford University Medical Center (WSCI Travel Award Winner)*

Abstract 428

**9:15 UNIQUE RAT STRAIN THAT SURVIVES BREATHING HYPEROXIA ALSO RESISTS OBESITY.**

*K Repine, PV Wilson, N Elkins, J Newman, Q He, KA Baer, J Torres, A Newman, A Fernandez-Bustamante and JE Repine, Aurora, CO. Webb-Waring Center, University of Colorado Anschutz Medical Center*

Abstract 429

**9:30** *State-of-the-Art Speaker*

**LUNG CANCER IN WOMEN.**

*Philippe R. Montgrain, VA San Diego / UC San Diego Health*

**Surgery IV**

Green Room (Sunset Center)

*Laurel Desnick and Ryan Hall, Presiding*

**8:00 DOES PREOPERATIVE VITAMIN D DEFICIENCY PREDICT POSTOPERATIVE HYPOCALCEMIA AFTER THYROIDECTOMY?**

*E Alkhalili, MD Ehrhart and MR Burge, Albuquerque, NM. University of New Mexico*

Abstract 430

- 8:15 UTILITY OF A PORCINE MODEL OF POLYMETHYL METHACRYLATE SPREAD DURING KYPHOPLASTY OR VERTEBROPLASTY.**  
*J Frankl, M Sakata, A Peterson and C Hennemeyer, Tucson, AZ. University of Arizona College of Medicine*  
Abstract 431
- 8:30 ASSESSMENT AND COMPARISON OF VACCINATION STATUS IN PEDIATRIC COCHLEAR IMPLANT PATIENTS: A 10 YEAR RETROSPECTIVE REVIEW.**  
*C Jin, P Téllez, D Lu, J Pauwels, S Dobson and FK Kozak, Vancouver, BC, Canada. University of British Columbia*  
Abstract 432
- 8:45 THE "SIMPLE" CHECKLIST: A CRITICAL APPRAISAL TOOL FOR REVIEWING THE MEDICAL LITERATURE AT JOURNAL CLUB AND BEYOND.**  
*N Wierks, A Knox and J Arneja, Vancouver, BC, Canada. University of British Columbia*  
Abstract 433
- 9:00 TIMELY EMERGENCY AND URGENT SURGERY ACCESS FOR ACUTELY ILL PEDIATRIC PATIENTS: A RETROSPECTIVE REVIEW.**  
*S Kim and S Butteworth, Vancouver, BC, Canada. BC Children's Hospital*  
Abstract 434
- 9:15 IN VIVO ULTRASOUND ELASTICITY IMAGING CLASSIFIES HEALTHY AND DISEASED POSTERIOR TIBIAL TENDONS.**  
*J Klewer, L Gao, J Guerra, J Szivek, M Taljanovic, L Latt and R Witte, Tucson, AZ. University of Arizona*  
Abstract 435
- 9:30 THE ROLE OF ALDOSE REDUCTASE IN THE DEVELOPMENT OF POSTERIOR CAPSULAR OPACIFICATION IN A MOUSE MODEL OF CATARACT SURGERY.**  
*L Zukin, M Pedler and JM Petrash, Greenwood Village, CO and Aurora, CO. University of Colorado Denver*  
Abstract 436
- 9:45 TISSUE EXPANSION IN PEDIATRIC PATIENTS: A 10-YEAR REVIEW.**  
*L Bjornson, M Bucevska and C Verchere, Kingston, ON, Canada and Vancouver, BC, Canada. Queen's University*  
Abstract 437
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**CONCURRENT SESSIONS**

**Saturday, January 30, 2016**

**10:15 AM – 11:45 AM**

*Jointly sponsored by*

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

**Adolescent Medicine and General Pediatrics IV.....Rehearsal Room  
Health Care Research III.....Babcock #6  
Hematology and Oncology III.....Green Room  
Immunology and Rheumatology II.....Conductor's Room  
Neonatal Pulmonary IV.....Bingham Room #3  
Neonatology General VI.....Carpenter Hall  
Neonatology Perinatal Biology III.....Promenade Lobby  
Neuroscience III.....Chapman #4**

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**Adolescent Medicine and General Pediatrics IV**

Rehearsal Room (Sunset Center)

*Samrat U. Das and Mary Ramos, Presiding*

**10:15 TESTING THE UTILITY OF STANDARDIZED INTERVIEWS FOR  
RESIDENCY SELECTION BY DIVIDING THE STANDARDIZED QUESTIONS  
AMONGST MULTIPLE INTERVIEWERS.**

*SU Das and ME Bar-on, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 438

**10:30 SOCIAL MEDIA: AN EFFECTIVE METHOD OF ATTRACTING THE MODERN  
RESIDENCY APPLICANT.**

*C Casilang and S Mehra, Fresno, CA. University of California, Fresno*

Abstract 439

**10:45 STRETCHING EFFECT ON CHANGES IN ACHILLES TENDON CROSS-  
SECTIONAL AREA IN RUNNERS.**

*C Neves, A Johnson and I Hunter, Seattle, WA and Provo, UT. University of Washington  
School of Medicine*

Abstract 440

**11:00 PEDIATRIC EXPOSURES TO DISHWASHER AND LAUNDRY DETERGENTS:  
2013-2014.**

*M Davis, M Casavant, H Spiller, T Chounthirath and G Smith, Seattle, WA and Columbus, OH. Nationwide Children's Hospital*

Abstract 442

**11:15 A WELL ORGANIZED SYSTEMATIC APPROACH TO INCREASE RESIDENT SCHOLARSHIP.**

*SU Das and ME Bar-on, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 443

**Health Care Research III**

Babcock #6 (Sunset Center)

*Leo S. Morales, Presiding*

**10:15 IMPROVING ASTHMA CARE IN A PEDIATRIC TEACHING CLINIC.**

*J Lee, A Gogo, D Tancredi and U Shaikh, Sacramento, CA. University of California, Davis Medical Center (WSCI Travel Award Winner)*

Abstract 444

**10:30 USABILITY TESTING OF THE BURN SURVIVAL KIT WITH HEALTHCARE PROVIDERS IN UGANDA.**

*A Ribeiro, A Maccan, A Rajwani, J Huebner, M Caulfield, MM Ajiko, N O'Hara and R Evans, Vancouver, BC, Canada and Soroti, Uganda. University of British Columbia*

Abstract 445

**10:45 OCCUPATION-RELATED DIFFERENCES IN HEMOGLOBIN A1C IN A PREDOMINANTLY HISPANIC POPULATION.**

*A Manshad, JR Bucheli and MR Burge, Albuquerque, NM. University of New Mexico*

Abstract 446

**11:00 A METHOD FOR MULTISTAGE SAMPLING IN THE RANDOMIZATION OF HOUSEHOLD SURVEYS IN DEVELOPING COUNTRIES.**

*MD Caulfield, A Rajwani, AS Maccan, J Huebner, A Ribeiro, MM Ajiko, N O'Hara and R Evans, Vancouver, BC, Canada; California, CA and Soroti, Uganda. University of British Columbia*

Abstract 447

**11:15 UNDERREPRESENTED MINORITY (URM) MEDICAL STUDENT PERSPECTIVES ON RETENTION AND ADVANCEMENT.**

*AJ Smith, C Solomon and LS Morales, Seattle, WA. University of Washington School of Medicine*

Abstract 448

**11:30 PRIMARY CARE PROVIDERS' PERCEPTIONS OF DIABETES PREVENTION PROGRAMS.**

*EC Vasti, S Tsoi and T Moin, Los Angeles, CA. VA Greater Los Angeles Healthcare System*

Abstract 449

### **Hematology and Oncology III**

Green Room (Sunset Center)

*Thomas Deloughery, Presiding*

**10:15 CHARACTERIZATION OF A CUSTOM MONOCLONAL ANTIBODY AS A NOVEL TUMOR BIOMARKER IN HUMAN GASTROINTESTINAL CANCERS.**

*JS Ryan, Q Wang, D Wu, Z Dong and P Wu, Seattle, WA. University of Washington School of Medicine*

Abstract 450

**10:30 LIPOPLEX DELIVERY OF MICRO-RNA 200C TO OVARIAN CANCER CELLS.**

*L Smith, M Gordon, JL Betker, TJ Anchordoquy and JK Richer, Denver, CO and Aurora, CO. University of Colorado AMC*

Abstract 451

**10:45 PHYSICIAN-PATIENT DISAGREEMENT ON EASTERN COOPERATIVE ONCOLOGY GROUP PERFORMANCE STATUS IS ASSOCIATED WITH INCREASED MORTALITY IN PATIENTS WITH HEMATOLOGIC MALIGNANCIES.**

*MA Liu, T Hshieh, N Condron, M Wadleigh, P Armand, G Abel and JA Driver, Tucson, AZ and Boston, MA. University of Arizona College of Medicine*

Abstract 452

**11:00 DEVELOPMENT OF OPTIMIZED PROTOCOL FOR GENERATION OF NATURAL KILER CELLS EXPRESSING CHIMERIC ANTIGEN RECEPTORS FROM HEMATOPOIETIC STEM CELLS FOR CANCER IMMUNOTHERAPY.**

*A Patel, L Truscott and SN De Oliveira, Pomona, CA and Los Angeles, CA. Western University of Health Sciences*

Abstract 453

**11:15 CHARACTERIZING THE IMMUNE MICROENVIRONMENT OF MALIGNANT PERIPHERAL NERVE SHEATH TUMORS IN ORDER TO GUIDE IMMUNOTHERAPY.**

*S Jensen, A Singh, S Dry, B Chmielowski, N Federman, F Eilber and E Shurell, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 454

**11:30 THE BIOLOGY OF MUCIN-2 (MUC2) IN BREAST CANCER.**

*A Astashchanka and B Jacobsen, Aurora, CO. University of Colorado School of Medicine*

Abstract 455

### **Immunology and Rheumatology II**

Conductor's Room

*Kevin Deane and Keith K. Colburn, Presiding*

**10:15 PHENOTYPE OF HUMAN REGULATORY T CELLS EXPRESSING FOXP3**



**SPLICE VARIANTS.**

*M Maurano and SF Ziegler, Seattle, WA. University of Washington*

Abstract 456

**10:30 ANTI-CYCLIC CITRULLINATED PROTEIN ASSAYS AND THE FUTURE DEVELOPMENT OF RHEUMATOID ARTHRITIS.**

*SL Dill, K Deane and ED Jess, Bethesda, MD and Aurora, CO. University of Colorado (WSCI Travel Award Winner)*

Abstract 457

**10:45 TRANSCRIPTOME ANALYSIS OF PSORIASIS AND WOUNDED SKIN.**

*SX Chen, K Chun, T Hata and R Gallo, La Jolla, CA. University of California, San Diego*

Abstract 458

**11:00 DELAYED RECOGNITION OF HYPER IGD SYNDROME LEADS TO PROLONGED INCORRECT MEDICAL CARE.**

*B Jagadesan, M Hogan and NW Wilson, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 459

**11:15** *State-of-the-Art Speaker*

**MUCOSAL INFLAMMATION IN THE PATHOGENESIS OF RHEUMATIC DISEASES.**

*Kristine Kuhn, University of Colorado School of Medicine*

**Neonatal Pulmonary IV**

Bingham Room #3 (Sunset Center)

*Adam J. Czynski and Yona Nicolau, Presiding*

**10:15 EARLY POSTNATAL STEROID USE IN PREMATURE INFANTS AND THE RISK FOR NECROTIZING ENTEROCOLITIS: A COMPREHENSIVE REVIEW.**

*G Heredia, A Patel, C Chung, J Yao, K Sahrai, P Sathe, Y Michael and B Afghani, Santa Ana, CA and Orange, CA. University of California, Irvine*

Abstract 460

**10:30 THE ASSOCIATION OF CARDIOPULMONARY RESUSCITATION AND PATENT DUCTUS ARTERIOSUS IN NEWBORNS.**

*T Chavez, T Stavroudis, PS Friedlich, A Garingo, J Shepherd and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine, University of Southern California*

Abstract 461

**10:45 EARLY CUMULATIVE SUPPLEMENTAL OXYGEN (O<sub>2</sub>) EXPOSURE PREDICTS BRONCHOPULMONARY DYSPLASIA (BPD) IN EXTREMELY LOW GESTATIONAL AGE NEWBORNS (ELGAN).**

*K Wai, MA Kohn, R Ballard, D Black and RL Keller, San Francisco, CA. University of California, San Francisco*

Abstract 462

**11:00 RESPONSE TO METHOCHOLINE IN NORMAL TERM LAMBS ASSESSED BY FORCED OSCILLATION TECHNIQUE.**

*C Veneroni, M Dahl, K Zuspan, A Lavizzari, S Bowen, D Null, B Yoder, K Albertine and R Dellaca', Salt Lake City, UT; Milan, Italy and Davis, CA. University of Utah*

Abstract 463

**11:15 RESOURCE UTILIZATION IN THE STATE OF CALIFORNIA FOR NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA 2006-2010.**

*A Song, PS Friedlich, R Chapman, R Burke, J Upperman, J Stein and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles*

Abstract 464

**11:30 PREVALENCE OF DIAGNOSES ASSOCIATED WITH CHILDREN'S INTERSTITIAL LUNG DISEASE IN THE UNITED STATES 2012.**

*CA Ulloa, A Song, A Lakshmanan, P Friedlich and N Iyer, Chatsworth, CA. Children's Hospital Los Angeles*

Abstract 465

**Neonatology General VI**

Carpenter Hall

*Robert W. DiGeronimo and Kara L. Calkins, Presiding*

**10:15 SHORT-TERM OUTCOMES OF NEONATES WITH MILD HYPOXIC-ISCHEMIC ENCEPHALOPATHY AFTER THERAPEUTIC HYPOTHERMIA.**

*M Kirkley, S Kaseman, J Gralla, D Melara, T Grover and C Delaney, Aurora, CO. University of Colorado*

Abstract 466

**10:30 BEDSIDE BLOOD GAS VS. LABORATORY ANALYSIS OF SODIUM: IS THERE A DIFFERENCE?**

*T Glasberg, T Chavez, R Ramanathan and A Garingo, Los Angeles, CA. University of Southern California*

Abstract 467

**10:45 QUALITY REPORT VIEWING BY NEONATAL PROVIDERS AND RELATIONSHIP TO QUALITY INDICATORS.**

*N Wahid, M Bennett, J Gould, J Profit and HC Lee, Irvine, CA and Stanford, CA. University of California, Irvine*

Abstract 468

**11:00 THE IMPACT OF PREMATURITY ON LOW-INCOME FAMILIES AFTER NICU DISCHARGE: IDENTIFYING MODIFIABLE PREDICTORS.**

AM Yeh, NG Lynch, A Diamond, N Flores, R Polcyn, J Eshagian, DL Vanderbilt, PS Friedlich and A Lakshmanan, Los Angeles, CA. *Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine of University of Southern California*

Abstract 469

**11:15 THE ASSOCIATION OF THE PATIENT HEALTH QUESTIONNAIRE-2 WITH HEALTH-RELATED QUALITY OF LIFE MEASURES IN LOW-INCOME MOTHERS AFTER NICU DISCHARGE.**

A Diamond, AM Yeh, N Lynch, N Flores, J Eshagian, R Polcyn, A Pham, DL Vanderbilt, P Jackson, PS Friedlich and A Lakshmanan, Los Angeles, CA. *Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine of University of Southern California*

Abstract 470

**11:30 ASSISTED HOME FEEDING: PREVALENCE AND RISK FACTORS IN NEONATES AT DISCHARGE FROM THE NICU.**

B White, C Zang, AP Presson, K Friddle and R DiGeronimo, Salt Lake City, UT. *University of Utah School of Medicine*

Abstract 471

**Neonatology Perinatal Biology III**

Promenade Lobby (Sunset Center)

*Sonnet Jonker and Mariana Baserga, Presiding*

**10:15 NORMALIZATION OF N-3 FATTY ACIDS DURING WEANING PROTECTS AGAINST TRANSFER OF MATERNAL WESTERN STYLE DIET INDUCED DYSBIOSIS AND INFLAMMATION.**

TK Soderborg, J Friedman, D Lemas, S Santorico, B De la Houssaye, RC Janssen and D Frank, Aurora, CO. *University of Colorado Anschutz*

Abstract 472

**10:30 INSIGHTS INTO PROTECTION FROM HYPOXIC INJURY FROM A ZEBRAFISH GENETIC MODEL.**

FB Imam, La Jolla, CA. *University of California, San Diego*

Abstract 473

**10:45 MATERNAL TOBACCO SMOKE EXPOSURE SEX-SPECIFICALLY DECREASES LIVER DESATURASE AND ELONGASE ENZYME MRNA LEVELS IN THE RAT.**

K Goodwin, C Weinheimer and L Joss-Moore, Salt Lake City, UT. *University of Utah*

Abstract 474

**11:00 LUNG SETD8 MRNA EXPRESSION PEAKS DURING ALVEOLAR FORMATION IN THE RAT.**

JT Zhao, Y Yang, R Knecht and L Joss-Moore, Sandy, Salt Lake City, UT. *University of Utah*

Abstract 475

**11:15 CEREBRAL VENTRICULAR VOLUMES IN FETUSES AND NEONATES WITH CONGENITAL HEART DISEASE: A LONGITUDINAL STUDY.**

*C Hayek, V Rajagopalan, J Meouchy and L Paquette, Los Angeles, CA. LAC+ USC Medical Center*

Abstract 476

**Neuroscience III**

Chapman #4 (Sunset Center)

*Marie-Francoise Chesselet, Presiding*

**10:15 NEURON-TARGETED CAVEOLIN-1 ATTENUATES TRAUMATIC BRAIN INJURY-MEDIATED MOTOR AND COGNITIVE DEFICITS.**

*ES Posadas, J Egawa, J Schilling, P Patel and B Head, San Marcos, CA and San Diego, CA. University of California, San Diego (WAFMR/WAP Student Subspecialty Award Winner)*

Abstract 477

**10:30 HIERARCHICAL PROCESSING OF VISUAL STIMULI IN INDIVIDUALS WITH NEPHROPATHIC CYSTINOSIS AND OBLIGATE HETEROZYGOTES.**

*AV Sathappan and D Trauner, La Jolla, CA. University of California, San Diego*

Abstract 478

**10:45 RELIABILITY AND VALIDITY OF THE 6-MINUTE WALK TEST AS AN OUTCOME MEASURE IN OCULOPHARYNGEAL MUSCULAR DYSTROPHY.**

*M Fernandez and S Youssof, Tucson, AZ and Albuquerque, NM. The University of Arizona*

Abstract 479

**11:00 CHARACTERIZATION OF NEURONS EXPRESSING DELTA AND MU OPIOID RECEPTORS IN DESCENDING PAIN CONTROL.**

*SA Low and G Scherrer, Tucson, AZ and Palo Alto, CA. University of Arizona*

Abstract 480

**11:15 *State-of-the-Art Speaker***

**FROM GUT TO BRAIN: WHAT IS NEW IN PARKINSON'S DISEASE?**

*Marie-Francoise Chesselet, University of California, Los Angeles*

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