ACS CLINICAL CONGRESS

OCTOBER 23–27, 2021 | VIRTUAL

(https://www.abstractsonline.com/pp8/#!/10371/)

Stanford Surgery **Playlist**

SATURDAY, OCT. 23, 2021

SF112. Breast I

9:00 AM - 9:55 AM

Channel 2

Presentation **Utilizing Breast MRI Blood Flow Data To Improve Clinical Outcomes Following Skin Sparing Mastectomy And Nipple Sparing Mastectomy**

9:34 AM - 9:37 AM

Mardi R. Karin, MD FACS, Robin Wu, MD, Cara K. Black, MD and Arash Momeni, MD FACS. Stanford University Department of Surgery, Palo Alto, CA

Presentation **Novel Technique Of Breast Reconstruction With Omental Fat-augmented Free Flap Improves Donor Site Morbidity And Reduces Postoperative Narcotic Use.**

9:37 AM - 9:40 AM

Peter L. Deptula, MD, Yulia Zak, MD FACS, Monica Makiko. Dua, MD FACS, Irene Leonor. Wapnir, MD FACS and Dung Nguyen, MD, PharmD. Stanford University, Palo Alto, CA

SF124. Pediatric Surgery I: Basic Science

10:00 AM - 10:55 AM

Channel 4

Presentation **RAS Inhibition Delays Neuroblastoma Tumor Growth and Genes Upregulated in Tumors with High RAS Expression Can Be Identified Using Gene Set Enrichment Analysis**

10:08 AM - 10:14 AM

Modupeola Diyaolu, MD, Vinodh Rajagopalan, Ph.D., D.V.M, Min Huang, MD, PhD, Jasmine C. Zeki, BA, Rachel Greathouse, BA, John O'Bryan, PhD and Bill Chiu, MD FACS. Stanford Medical Center, Stanford, CA, Medical University of South Carolina, Charleston, SC

SF121. Bariatric/Foregut II

10:00 AM - 10:55 AM

Channel 1

Presentation **Enhanced Recovery After Bariatric Surgery: Further Reduction In Opioid Use With The Introduction Of Dexmedetomidine And Transversus Abdominis Plane Block**

10:25 AM - 10:31 AM

Yewande Rukayat. Alimi, MD, Erin Crawford, MD, Salome Hoorzuk, MSN, Nathalie Cheng, MD, Amy Lu, MD MPH, Lindsay Kennedy, PA-C, Tasnim Ahmed, BA, Micaela Esquivel, MD, Dan Elison. Azagury, MD FACS and Yulia Zak, MD FACS. Stanford University School of Medicine, Stanford, CA, Stanford Healthcare, Stanford, CA, Stanford University School of Medicine], Stanford, CA

SF122. Breast II

10:00 AM - 10:55 AM

Channel 2

Presentation **Prevention Of Post-op Lymphedema For Breast Cancer Surgery With Axillary Lymph Node Dissection Combined With Lympha And Lymphatic Preservation: Patient Selection And Outcomes**

10:34 AM - 10:37 AM

Mardi R. Karin, MD FACS, Hui He, PA-C, MS, Victoria R. Posternak, RN, MS, AOCNS, Audrey Bowler, AA and Dung Nguyen, MD, PharmD. Stanford University Department of Surgery, Palo Alto, CA, Stanford Cancer Center Southbay, San Jose, CA

SF141. Colon and Rectal Surgery I

12:00 PM - 12:55 PM

Channel 1

Presentation **Where There Is Fat There Is Fibrosis: Elucidating The Mechanisms Of Creeping Fat-driven Stricture Formation.** 12:31 PM - 12:37 PM

Khristian Erich. Bauer-Rowe, BS, michelle griffin, MD, PhD, Deshka Foster, MD, PhD, Heather Elizabeth. desJardins-Park, BS, Shamik Mascharak, BS, Jeffrey Allen. Norton, MD FACS, Jeong S. Hyun, MD and Michael T.. Longaker, MD MBA FACS. Stanford, Stanford, CA

SF144. Plastic and Maxillofacial Surgery I

12:00 PM - 12:55 PM

Channel 4

Presentation **Moderator** 12:00 PM - 12:00 PM

Hermann P. Lorenz, MD, FACS, Stanford, California

Presentation **Denervation During Mandibular Distraction Osteogenesis Results In Impaired Osteogenesis** 12:00 PM - 12:06 PM

Ruth Tevlin, MB BAO BCh, MRCSI, MD, Michael Januszyk, MD PhD, michelle griffin, MD PhD, ANKIT SALHOTRA, BS, Derrick C.. Wan, MD FACS, Charles KF. Chan, PhD and Michael T.. Longaker, MD MBA FACS. Stanford Hospital and Clinics, Stanford, CA, Stanford University, Stanford, CA

Presentation **Single Cell Rna Sequencing Reveals Fibroblast Heterogeneity Across Mouse And Human Embryonic Origins** 12:06 PM - 12:12 PM

michelle griffin, MBChB MRCS MSc MRes PhD, megan EW. king, BS, Nicholas Guardino, BS, Ruth Tevlin, MB BAO BCh, Evan James. Fahy, MD, Shamik Mascharak, BS, Darren Abbas, MD, Christopher V. Lavin, BS, Derrick Wan, MD and Michael Longaker, MD MBA. Stanford University, Palo Alto, CA, Stanford Univeristy, Palo Alto, CA

Presentation **Topical Deferoxamine Patch Is Superior To Direct Injection For The Treatment Of Radiation Induced Skin Fibrosis** 12:24 PM - 12:30 PM

Christopher V. Lavin, MS, Darren B. Abbas, MD, Evan J. Fahy, MD, Daniel K. Lee, MD, michelle griffin, MBChB, Ph.D., Nestor M. Diaz Deleon, BS, Shamik Mascharak, BS, Geoffrey C. Gurtner, MD FACS, Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University - Hagey Laboratory, Stanford, CA

Presentation **Effects Of Beta-3 Adrenergic Receptor Agonist Treatment In Murine Full Thickness Dorsal Cutaneous Wounds** 12:30 PM - 12:33 PM

Evan James. Fahy, MB BCh BAO, michelle griffin, MBBS, PhD, Darren Abbas, MD, Christopher V. Lavin, MS, megan E. king, BS, Daniel Lee, MD, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford, Stanford, CA

Presentation **Local Vitamin E Administration Improves Fat Graft Retention And Radiation-induced Fibrosis In A Mouse Model** 12:33 PM - 12:36 PM

Darren B. Abbas, MD, Christopher V. Lavin, M.S., Evan J. Fahy, MB Bch BAO, MCh, michelle griffin, MBChB, Ph.D, megan E. king, B.S., Daniel Lee, M.D., Dung Nguyen, MD, Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University School of Medicine, Stanford, CA

Presentation **Adipose Precursor Cell-embedded Collagen Gels Attenuate Inflammation And Improve Tissue Perfusion In Cutaneous Wounds** 12:36 PM - 12:39 PM

Evan James. Fahy, MB BCh BAO, MCh, michelle griffin, MBBS, PhD, Darren Abbas, MD, Christopher V. Lavin, MS, megan E. king, BS, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford, Stanford, CA

SF154. Surgical Education I

1:00 PM - 1:55 PM

Channel 4

Presentation **ENTRUST: A Serious Game-based Virtual Patient Platform To Assess Entrustable Professional Activities (EPAs) In Surgical Education** 1:01 PM - 1:07 PM

Dana T. Lin, MD, FACS, Edward F. Melcer, PhD, Oleksandra G. Keehl, MS, Amber Trickey, PhD, MS, CPH, Hyrum Eddington, BS, Sylvia Bereknyei Merrell, DrPH, MS, James R. Korndorffer, Jr., MD, MHPE, FACS and Cara A. Liebert, MD, FACS. Stanford University School of Medicine, Stanford, CA, University of California- Santa Cruz, Santa Cruz, CA, VA Palo Alto Healthcare

System, Palo Alto, CA

SF162. Health Services Research II

2:00 PM - 2:55 PM

Channel 2

Presentation **Sex Differences In Postoperative Complications And Mortality** 2:07 PM - 2:10 PM

Qi Yan, MD, JEONGSOO KIM, PhD, Katherine M. Reitz, MD, Daniel E. Hall, MD, MDiv, MHSc, Myrick C. Shinall, Jr, MD, PhD, Karyn B. Stitzenberg, MD, MPH, Lillian S. Kao, MD, Elizabeth George, MD, MS, Chen-Pin Wang, PhD and Paula K. Shireman, MD, MS, MBA. University of Texas Health San Antonio, South Texas Veterans Health Care System, University Health System, San Antonio, TX, University of Texas Health San Antonio, San Antonio, TX, University of Pittsburgh, Pittsburgh, PA, Veterans Affairs Pittsburgh Healthcare, University of Pittsburgh, UPMC, Pittsburgh, PA, Vanderbilt University Medical Center, Nashville, TN, University of North Carolina, Chapel Hill, NC, University of Texas Health Science Center Houston, Houston, TX, Stanford University School of Medicine, VA Palo Alto Healthcare System, Stanford, CA

Presentation **Disparities In Outcomes After Emergency Surgery In The Rio Grande Valley Of Texas** 2:28 PM - 2:31 PM

Janelle C. Chavez, BSA, Sherry M. Wren, MD, FACS and Lisa M. Knowlton, MD, FACS. Stanford University School of Medicine, Stanford, CA

Presentation **The Environmental Impact Of Surgery** 2:34 PM - 2:37 PM

Maia Shoham, BS, Natalie Baker, MS, Meagan Peterson, MPH and Paige Fox, MD, PhD. Stanford University School of Medicine, Stanford, CA

Presentation **Traumatic Injury And Death Among Law Enforcement Officers** 2:37 PM - 2:40 PM

Advait Patil, none, Lakshika Tennakoon, MD, MPhil, Jeff Choi, MD, Nicholas Hakes, BA, David Alan. Spain, MD, FACS and Jamie Tung, MD. Department of General Surgery, Stanford, CA

SF183. Surgical Oncology II

4:00 PM - 4:55 PM

Channel 3

Presentation **Cancer Associated Fibroblasts Share Highly-Conserved Phenotypes And Functions Across Tumor Types And Species** 4:01 PM - 4:07 PM

Deshka S. Foster, MD, PhD, Michael Januszyk, MD, PhD, Kathryn Elizabeth. Yost, BS, Malini Chinta, BA, Ashley L. Titan, MD, Irene L. Wapnir, MD FACS, Geoffrey C.. Gurtner, MD FACS, Howard Y.. Chang, MD, PhD, Jeffrey Allen. Norton, MD FACS and Michael T.. Longaker, MD MBA FACS. Stanford University, Stanford, CA

SUNDAY, OCT. 24, 2021

SF214. Surgical Oncology III

9:00 AM - 9:55 AM

Channel 4

Presentation **Single Cell Transcriptomic Analysis Of A Patient With Metastatic Appendiceal Adenocarcinoma: A Stem Or Crypt Cell Like Neoplasm?** 9:37 AM - 9:40 AM

Carlos Ayala, MD, PhD, Susan M. Grimes, BSc, Byrne Lee, MD FACS and Hanlee Ji, MD, PhD. Stanford University, Stanford, CA

SF234. Vascular Surgery III

11:00 AM - 11:55 AM

Channel 4

Presentation **Vascular1: Evaluation Of A Virtual Reality Ultrasound Guided Femoral Artery Access Training Module** 11:19 AM - 11:22 AM

Suleman I. Khan, BA, Vishal Shenoy, BA, Elizabeth Nguyen, BS, Nabeel Farooqui, BS, William Caraccio, BS and Oliver Oppers. Aalami, MD. Stanford University School of Medicine, Palo Alto, CA

SF232. Otolaryngology - Head and Neck Surgery

11:00 AM - 11:55 AM

Channel 2

Presentation Associations Of Hearing Loss And Hearing Aid Use With Hospitalization In The Elderly

11:46 AM - 11:49 AM

Anthony Thai, BS, Suleman I. Khan, BA, Jeff Choi, MD and Uchechukwu C. Megwalu, MD, MPH. Stanford University School of Medicine, Stanford, CA

SF233. Trauma/Burn/Critical Care VII

11:00 AM - 11:55 AM

Channel 3

Presentation Reducing Mortality And Delirium In Injured Older Adults: Results From The Development Of A Multidisciplinary Clinical Pathway

11:13 AM - 11:19 AM

Caroline Park, MD, PhD, Ankur Bharija, MD and Kristan Lea. Staudenmayer, MD, MS, FACS. Stanford, Stanford, CA

SF243. Plastic and Maxillofacial Surgery II

12:00 PM - 12:55 PM

Channel 3

Presentation Analysis Of Online Educational Materials Relating To Craniosynostosis

12:46 PM - 12:49 PM

Christopher V. Lavin, MS, Evan J. Fahy, MD, Darren B. Abbas, MD, Nestor M. Diaz Deleon, BS, Daniel K. Lee, MD, michelle griffin, MBChB, PhD, megan EW. king, BS, Nicholas Guardino, BS and Derrick C. Wan, MD FACS. Stanford University - Hagey Laboratory, Stanford, CA

SF242. Health Services Research III

12:00 PM - 12:55 PM

Channel 2

Presentation Introduction

12:00 PM - 12:01 PM

Shipra Arya, MD, SM, FACS, Stanford, California

SF244. Surgical Oncology V

12:00 PM - 12:55 PM

Channel 4

Presentation Predictors Of Desmoid Recurrence After Surgical Management From The US. Sarcoma Collaborative

12:19 PM - 12:25 PM

Konstantinos Chouliaras, MD, Cecilia Grace. Ethun, MD, MS, George A.. Poultsides, MD FACS, J. Harrison. Howard, MD, Callisia N. Clarke, MD, MS, FACS, FSSO, Kevin King. Roggin, MD FACS, Ryan Courtney. Fields, MD, FACS, Edward A. Levine, MD, KENNETH CARDONA, MD FACS and Konstantinos I. Votanopoulos, MD FACS. Roswell Park Cancer Center, Buffalo, NY, Memorial Sloan Kettering, New York, NY, Stanford University, Palo Alto, CA, University of South Alabama, Mobile, AL, Medical College of Wisconsin, Milwaukee, WI, University of Chicago, Chicago, IL, Washington University School of Medicine, St. Louis, MO, Wake Forest University, Winston-Salem, NC, Emory University, Atlanta, GA

SF254. Plastic and Maxillofacial Surgery III

1:00 PM - 1:55 PM

Channel 4

Presentation The Impact Of Plastic Surgeons' Attire On Patients' Perceptions

1:43 PM - 1:46 PM

Fara Dayani, BS, Kometh Thawanyarat, BA and Rahim Nazerali, MD FACS. UCSF School of Medicine, San Francisco, CA, Augusta University, Athens, GA, Stanford University, Stanford, CA

SF264. Pediatric Surgery III: Basic Science

2:00 PM - 2:55 PM

Channel 4

Presentation The Effect Of Spring Diameter On Porcine Distraction Enterogenesis

2:07 PM - 2:10 PM

Modupeola Diyaolu, MD, Anne-Laure Angele. Thomas, BS, Lauren Wood, MD and James C. Y.. Dunn, MD FACS. Stanford Medical Center, Stanford, CA

Presentation **Generation Of Porcine Ileum Through Spring-mediated Mechanical Distraction** 2:19 PM - 2:22 PM

Modupeola Diyaolu, MD, Anne-Laure Angele. Thomas, BS, Lauren Wood, MD and James C. Y.. Dunn, MD FACS. Stanford Medical Center, Stanford, CA

SF274. Plastic and Maxillofacial Surgery IV

3:00 PM - 3:55 PM

Channel 4

Presentation **Acellular Dermal Matrix Modulation Of The Peri-Prosthetic Breast Microenvironment During Breast Reconstruction** 3:01 PM - 3:07 PM

Ruth Tevlin, MB BAO BCh, MRCSI, MD, Michael Januszyk, MD PhD, michelle griffin, MB BCh, MRCS, PhD, Kerry Shefren, NP, Charles K.F.. Chan, PhD, Arash Momeni, MD FACS, Derrick C.. Wan, MD FACS and Michael T.. Longaker, MD MBA FACS. Stanford Hospital and Clinics, Stanford, CA, Stanford University, Stanford, CA, Stanford Hospital and Clinics, Palo Alto, CA

Presentation **Autologous And Implant-based Breast Reconstruction Outcomes In Patients With Autoimmune Connective Tissue Diseases** 3:13 PM - 3:19 PM

Suleman I. Khan, BA, Pooja Suguna. Yesantharao, MS, Mallory Rowley, BS, Jennifer K. Shah, BS, Abu B. Rogers, BS and Rahim Nazerali, MD FACS. Division of Plastic Surgery, Stanford University School of Medicine, Palo Alto, CA, Department of Plastic & Reconstructive Surgery, Johns Hopkins Hospital, Baltimore, MD, State University of New York Upstate Medical University, Syracuse, NY

Presentation **Preoperative β-lactam Antibiotic Prophylaxis Is Superior To Bacteriostatic Agents In Immediate Breast Reconstruction With Acellular Dermal Matrix** 3:19 PM - 3:25 PM

Travis J. Miller, MD, Austin C. Remington, MD, Dung H. Nguyen, MD, Geoffrey C.. Gurtner, MD FACS and Arash Momeni, MD FACS. Stanford School of Medicine, Palo Alto, CA, University of Michigan, Ann Arbor, MI

Presentation **The Impact Of Reconstructive Modality On The Severity Of Postoperative Complications In Breast Reconstruction** 3:43 PM - 3:46 PM

Rachel Pedreira, MD, Ruth Tevlin, MB BAO BCh MRCSI MD, Michelle Griffin, MBChB MRCS PhD, Derrick Wan, MD and Arash Momeni, MD FACS. Stanford University Division of Plastic and Reconstructive Surgery, Stanford, CA, Stanford University Division of Plastic and Reconstructive Surgery, Palo Alto, CA

SF273. Pediatric Surgery IV: Clinical Outcomes

3:00 PM - 3:55 PM

Channel 3

Presentation **Relationship Between Comorbidities And Child Abuse: A National Trauma Data Bank Study** 3:07 PM - 3:10 PM

Modupeola Diyaolu, MD, Chaonan Ye, BA, MS and Stephanie D.. Chao, MD FACS. Stanford Medical Center, Stanford, CA

MONDAY, OCT. 25, 2021

PS325. Surgical Innovation: Taking an Idea All the Way

10:00 AM - 10:55 AM

Channel 5

Presentation **Protecting Your Ideas and Patents** 10:03 AM - 10:15 AM

Dan E. Azagury, MD, FACS, Stanford, California

Presentation **Involving Your Academic Institutions** 10:45 AM - 10:55 AM

Carla M. Pugh, MD, PhD, FACS, Stanford, California

PS374. The Role of Artificial Intelligence in Surgery: Future or Fantasy?

3:00 PM - 3:55 PM

Channel 4

Presentation **The Promise of Artificial Intelligence** 3:01 PM - 3:14 PM

Elsie G. Ross, MD, Stanford, California

TUESDAY, OCT. 26, 2021

PS425. Decreasing Health Care Disparities Through Addressing Cultural Competence

10:00 AM - 10:55 AM

Channel 5

Presentation **How Do You Design a Program Addressing the Needs of Faculty** 10:24 AM - 10:36 AM

Sherry M. Wren, MD FACS, Palo Alto, California

WEDNESDAY, OCT. 27, 2021

PS566. Current Concepts in Vascular/Non-Healing Wounds

2:00 PM - 2:55 PM

Channel 6

Presentation **Introduction** 2:00 PM - 2:02 PM

Derrick C. Wan, MD FACS, Stanford, California
Venita Chandra, MD FACS, Belmont, California

Presentation **Selection of Appropriate Biologics/Matrics/Colloids for Chronic Wounds** 2:11 PM - 2:20 PM

Matthew Murphy, Palo Alto, California

Presentation **Selection of Definitive Therapy for Wounds with Vascular Etiology** 2:20 PM - 2:29 PM

Eri Fukaya, MD PhD, Palo Alto, California

Presentation **Appropriate Use of Prophylactic/Therapeutic Antibiotics in Wound Care** 2:29 PM - 2:38 PM

Jenny R. Aronson, MD, Palo Alto, California

THURSDAY, OCT. 28, 2021

SP100. e-Posters of Exceptional Merit

5:00 PM - 5:30 PM

Presentation **Dermal Iron Chelation Reduces Indirect Radiation Injury** 5:00 PM - 5:00 PM

Christopher V. Lavin, MS, Evan J. Fahy, MD, Darren B. Abbas, MD, michelle griffin, MBChB, Ph.D., Daniel K. Lee, MD, Nestor M. Diaz Deleon, BS, Nicholas Guardino, BS, Geoffrey C. Gurtner, MD FACS, Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University - Hagey Laboratory, Stanford, CA

Presentation **Outcome-specific Injury Scores (OSIS): Development And Validation Of Tailored Prediction Tools For Injured Older Adults** 5:00 PM - 5:00 PM

Jeff Choi, MD MSc, Lakshika Tennakoon, MD MPhil, David Alan. Spain, MD, FACS and Kristan Lea. Staudenmayer, MD MSc FACS. Stanford University, Stanford, CA

SP110. Health Services Research

5:00 PM - 5:30 PM

Presentation **A National Evaluation Of Ambulatory Surgery Utilization Among Emergency General Surgery And Trauma Patients** 5:00 PM - 5:00 PM

Lakshika D. Tennakoon, MD,MPhil, Nicholas Alexander. Hakes, BA, David Alan. Spain, MD, FACS and Lisa M. Knowlton, MD, MPH,FACS. Department of General Surgery, Stanford, CA

SP115. Ophthalmic Surgery 5:00 PM - 5:30 PM

Presentation **Readability And Content Analysis Of Online Resources For Pediatric Ophthalmology** 5:00 PM - 5:00 PM

Suleman I. Khan, BA, Adem Idrizi, BS, Rida I. Khan, BA, Thinzar S. Htwe, BS and Euna Koo, MD. Byers Eye Institute at Stanford University, Palo Alto, CA

SP119. Plastic/Maxillofacial Surgery 5:00 PM - 5:30 PM

Presentation **Suprazygomatic Maxillary Nerve Blocking Reduces Postoperative Pain And Opioid Use Following Bimaxillary Osteotomy** 5:00 PM - 5:00 PM

Christopher V. Lavin, MS, Daniel K. Lee, MD, Evan J. Fahy, MD, Darren B. Abbas, MD, michelle griffin, MBChB, Ph.D., megan E. king, BS, Arash Momeni, MD FACS, Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University - Hagey Laboratory, Stanford, CA, Stanford University, Stanford, CA

Presentation **Optimizing Cutometer Mpa 580 Calculated Parameters To Determine In-vivo Elasticity Of Human Skin** 5:00 PM - 5:00 PM

Darren B. Abbas, MD, Christopher V. Lavin, M.S., Evan Fahy, MB Bch BAO, MCh, michelle griffin, MBChB, Ph.D, Nicholas Guardino, B.S., Daniel Lee, M.D., Geoffrey C.. Gurtner, MD FACS, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford University School of Medicine, Stanford, CA

Presentation **Transdermal Deferoxamine In A Porcine Model Is A Safe Treatment To Improve Elasticity Secondary To Radiation-induced Fibrosis** 5:00 PM - 5:00 PM

Darren B. Abbas, MD, Evan J. Fahy, MB Bch BAO, MCh, Christopher V. Lavin, M.S., michelle griffin, MBChB, Ph.D, Nestor Manuel. Diaz Deleon, B.S., megan EW. king, B.S., Geoffrey C. Gurtner, MD FACS, Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University School of Medicine, Stanford, CA

Presentation **A Novel Murine Model Of Chronic Ischemic Cutaneous Wound Healing** 5:00 PM - 5:00 PM

Evan James. Fahy, MB BCh BAO, MCh, Darren Abbas, MD, Christopher V. Lavin, MS, michelle griffin, MBBS, PhD, megan E. king, BS, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford, Stanford, CA, Stanford, Atherton, CA, Stanford, Daly City, CA

Presentation **Temperature Influence On Scanning Laser Doppler Flowmetry In Anesthetized Mice** 5:00 PM - 5:00 PM

Evan James. Fahy, MB BCh BAO, MCh, Christopher V. Lavin, MS, Darren Abbas, MD, michelle griffin, MBBS, PhD, megan E. king, BS, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford, Stanford, CA

Presentation **Comparative Cytokine Profiling Of Wound Tissue Homogenate From Irradiated And Non-irradiated Skin** 5:00 PM - 5:00 PM

Evan James. Fahy, MB BCh BAO, MCh, Darren Abbas, MD, Christopher V. Lavin, MS, michelle griffin, MBBS, PhD, Michael T.. Longaker, MD MBA FACS and Derrick C.. Wan, MD FACS. Stanford, Stanford, CA

Presentation **Dorsal Skin Fibrosis Secondary To Radiation Is Mitigated By Fat Grafting In Engrailed-1 Mice** 5:00 PM - 5:00 PM

Darren B. Abbas, MD, Evan J. Fahy, MB Bch BAO, MCh, michelle griffin, MBChB, Ph.D, Christopher V. Lavin, M.S., Nestor Manuel. Diaz Deleon, B.S., megan EW. king, B.S., Daniel Lee, M.D., Michael T. Longaker, MD MBA FACS and Derrick C. Wan, MD FACS. Stanford University School of Medicine, Stanford, CA

SP120. Surgical Education 5:00 PM - 5:30 PM

Presentation **Barriers For Medical Students With Underrepresented Identities Considering Orthopedic Surgery Careers: A Qualitative Investigation** 5:00 PM - 5:00 PM

Katherine M. Gerull, MD, Priyanka Parameswaran, BA, Taylor Cogsil, BS, Donna Jeffe, PhD, Arghavan Salles, MD, PhD, FACS and Cara A. Cipriano, MD. Washington University in St. Louis, St. Louis, MO, Stanford University, Palo Alto, CA

SP109. Global Surgery and Humanitarian Outreach 5:00 PM - 5:30 PM

Presentation **Pilot Testing Of A Fit-for-purpose Surgical Headlight In Ethiopia** 5:00 PM - 5:00 PM

Muaad Hussien, Medical student, Nichole Starr, MD, MPH, Tihitena Negussie, MD, Senait Bitew, RN, MPH, Elizabeth Johansen, BS, Belachew Dejene, MD, Abebe Alemayehu, MD, Seyoum Kassa, MD, Carmen Mesas. Burgos, MD, PhD and Thomas G. Weiser, MD, MPH, FACS, FCS(ECSA), FRCSEd (ad hom). Karolinska Institute, Stockholm, Sweden, Department of Surgery, University of California San Francisco, San Fransisco, CA, Lifebox Foundation, Boston, MA, Department of Surgery, Black Lion Hospital, Addis Ababa University, Addis Ababa, Ethiopia, Spark Health Design, Hanover, MA, Department of Surgery, Menelik II Hospital, Addis Ababa, Ethiopia, Addis Ababa, Ethiopia, Department of Pediatric Surgery, Karolinska University Hospital, Stockholm, Sweden, Department of Surgery, Stanford University, Stanford, CA, Department of Clinical Surgery, Royal Infirmary of Edinburgh, University of Edinburgh, Edinburgh, United Kingdom

Presentation **Surgical Lighting In Liberian Ors: Using Human-centered Design To Close A Critical Patient Safety Gap** 5:00 PM - 5:00 PM

Nina F. Capo-Chichi, MD, Muaad Hussein, Medical Student, Nichole Starr, MD MPH, Natnael Gebeyehu,, MD, Jared A. Forrester, MD, Paul T.. Whesseh, MD, Teyah S.. Moore, MD, Ansumana Camara, MD and Thomas G Weiser, MD MPH. CNHU Chirurgie Pediatrique Cotonou Benin, Cotonou, Benin, Karolinska Institute, Stockholm, Sweden, Stockholm, Sweden, University of California, San Francisco, SAN FRANCISCO, CA, Lifebox Foundation, New York, NY, St. Peter's Specialized Hospital, Ethiopia, Addis Ababa, Ethiopia, Stanford University, Stanford, CA, Redemption Hospital, Liberia, Monrovia, Liberia, C.B. Dunbar Hospital,, Monrovia, Liberia, Redemption Hospital,, Monrovia, Liberia, University of Edinburgh Department of Clinical Surgery, Edinburgh, United Kingdom