

Research Conference

2025



Keynote Speaker:
Stephanie Langel, PhD



March 28, 2025

12:00 - 5:00 p.m.

ICOM's 7th Annual Research Conference

A celebration of research & scholarly activity

Agenda



12:00-12:30 p.m.

Student Lounge

Lunch



12:30-12:45 p.m.

Lecture Hall 150

Welcome

Dr. Tracy Farnsworth, ICOM President
Dr. Rachel Gonzales, ICOM Board Chairwoman
Dr. Sara Adams, ICOM Assistant Dean of Research



12:45-1:45 p.m.

Lecture Hall 150

Keynote Speaker

Stephanie Langel, PhD
Assistant Professor, Department of Pathology, School
of Medicine, Case Western Reserve University



2:00-3:00 p.m.

First Floor

Poster Session Group 1

ICOM Student Doctors



3:05-4:05 p.m.

First Floor

Poster Session Group 2

ICOM Student Doctors



4:15-5:00 p.m.

Lecture Hall 150

Awards

ICOM Student Doctors

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ABSTRACTS



Map

KEY
 * Virtual Poster
 E On Easel



Keynote Address



Stephanie Langel, PhD

*Assistant Professor, Department of Pathology, School of Medicine,
Case Western Reserve University*

Title: Pregnant During a Pandemic: How to Best Protect Moms and Their Babies During an Emerging Viral Outbreak

Biography: Dr. Langel has research expertise in emerging infectious viral diseases, mucosal immunity, and the protective properties of breast milk. Her laboratory focuses on defining how IgA antibody-secreting cells from distant mucosal sites traffic to the mammary gland to secrete antibodies into milk and the implications for neonatal health. Additionally, her lab is assessing maternal and neonatal immunity to influenza and investigating how the emergence of avian influenza H5N1 may impact pregnant and neonatal populations.

Dr. Langel earned her PhD from The Ohio State University, where she researched emerging coronaviruses. She then completed postdoctoral training at Duke University, focusing on developing strategies to enhance protective IgA in breast milk. Now leading her lab at Case Western Reserve University School of Medicine in Cleveland, Ohio, Dr. Langel's research is dedicated to advancing maternal and neonatal immunity against viral infections. She is also actively mentoring undergraduate students, graduate students, postdocs, and staff scientists.

Dr. Langel is also passionate about scientific communication. She co-hosts the monthly podcast "Immune" alongside three other scientists, where they explore recent advancements in immunology research. You can find the show at microbe.tv/immune.

POSTERS

BRITTON PORTER, OMS-II

Poster #1

Effects of Age and Hearing on Speech-in-Noise Recognition and Cognitive Performance

Authors: Britton Porter, OMS-II²; Tali Rothman, PhD¹; Carley Church¹; Garrett Anderson¹; Curtis Billings, PhD¹

Affiliations: ¹Idaho State University Audiology Clinic, Pocatello, Idaho, ²Idaho College of Osteopathic Medicine, Meridian, Idaho

CALVIN STURGEON, OMS-II, JEREMY CLAYTON, OMS-II

Poster #2

Development of a RNAi-Mediated Screening Process for TMC-3 Orthologues in Model Organism *Caenorhabditis elegans*

Authors: Jeremy Clayton, OMS-II; Calvin Sturgeon, OMS-II; Michael Wells, PhD

Affiliations: Idaho, Idaho College of Osteopathic Medicine, Meridian, Idaho

CHRISTOFER PETERSON, OMS-II

Poster #3

The Underutilized Potential of Topographical Analysis in Clinical Medicine

Authors: Christofer Peterson, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

COOPER MCGRATH, OMS-II

Poster #4

Turning the Tables on *Salmonella* with Its Own AB Toxin

Authors: Cooper McGrath, OMS-II¹; Noah Suza²; Elise Overgaard, PhD²; Juliette Tinker, PhD²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Boise State Biomolecular Sciences Graduate Program, Boise, Idaho

JESSICA JAGELSKI, OMS-II, MICHAEL LARSEN, OMS-II

Poster #5

Taking EVs for a Spin

Authors: Jessica Jagelski, OMS-II; Michael Larsen, OMS-II; Niklas Klauss, OMS-II; Michael Wells, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

JONAH JONES, OMS-II

Poster #6

Predicting Aerobic Adaptation and Identifying Biological Drivers of Aerobic Adaptability with Machine Learning

Authors: Jonah Jones, OMS-II; Matthew Laye, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

KARSEN KREBS, OMS-II, JONATHAN NETTER, OMS-II

Poster #7

TGF- β 2 increases β -catenin Expression and prevents Apoptosis in KASH-Disrupted Mechanically-insensitive Cells

Authors: Brian Penney¹; Jordan Daw¹; Calvin Jones¹; Jonathan Netter²; Karsen Krebs²; Skyler Kichak¹; Taylor Izzard¹; Gunes Uzer, PhD¹; Sophia Theodossiou, PhD¹

Affiliations: ¹Biomaterial and Musculoskeletal Engineering Lab, Boise State University, Boise, Idaho, ²Idaho College of Osteopathic Medicine, Meridian, Idaho

KEVIN STOLL, OMS-II

Poster #8

Reading between the lines, the hidden picture connecting mice and human age

Authors: Kevin T. Stoll¹, Nicholas C. Cottam²; Kwadwo Ofori²; Madison Bryant⁴; Jessica R. Rogge⁴; Khan Hekmatyar³; Jianli Sun²; Christine J. Charvet, PhD⁴

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Delaware State University, Dover, Delaware, Georgia State University, Atlanta, ³Georgia, ⁴Auburn University, Auburn, Alabama

NATHANIEL LANDRETH, OMS-II

Poster #9

Effects of low intensity vibration on the mechanical regulation of cisplatin-DNA adducts in Mesenchymal Stem Cells

Authors: Nathaniel W. Landreth¹; Crystal Cantu²; Gunes Uzer, PhD²; Anamaria G. Zavala, PhD²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Boise State University, Boise, Idaho

PEYSEN WEBSTER, OMS-II

Poster #10

Immunohistochemical Analysis of Complement C1s on Human Brain affected with Multiple Sclerosis

Authors: Peysen Webster, OMS-II; Brian K. Martin, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

SARAH TEMPLE, LUKE MERRIT, PAUL HANNA (OMS-II)

Poster #11

CRISPR Knockout of Multiple Oncogenes Implicated in Triple Negative Breast Cancer

Authors: Sarah Temple, OMS-II; Luke Merritt, OMS-II; Paul Hanna, OMS-II; Brian Martin, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

SOPHIA ROBERTS, OMS-I

Poster #12

Cigarette Smoke Exposure Contributes to the Progression of Ovarian Cancer via Modulating IL-8 and IL-1 β Secretion in A2780 Ovarian Cancer Cells (OCCs): An in-vitro Study **Authors:**

Sophia Roberts^{1,3}; Khoa Trung^{2,3}; William Nethery^{2,3}; Taralein Beckmann²; Robert Conzelman²; Andrea Belovich¹; Wasana Sumansekera^{1*} Principal Investigator

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Sullivan University College of Pharmacy and Health Sciences, Louisville, Kentucky ³Joint first authorship

STEVEN BELLIS, OMS-II

Poster #13

Expression of Aquaporin 4 in Multiple Sclerosis Lesions Compared to Healthy Brain Tissue

Authors: Steven Bellis, OMS-II; Brian K. Martin, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

AGATA RUBIS, OMS-II

Poster #14

Investigating the Rotator Cuff Tendon Footprint in Relation to Sex and Skeletal Size

Authors: Agata Rubis, OMS-II; Kylie Haas, OMS-II; Jared Vineyard, PhD; Ellis Locke, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ANDREW MARKS, OMS-II

Poster #15

Historical Examination of postoperative variation in Coronary Artery Bypass Grafts

Authors: Andrew Marks, OMS-II; Thomas Ripperda, OMS-II; Blaine Maley, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

CHANDRESH KHIMJI, OMS-II

Poster #16

Sexual Dimorphism and Asymmetry in S1 Nerve Root Angles: Implications for S2 Alar-Iliac Screw Placement

Authors: Chandresh Khimji, OMS-II; Sam Brunson, OMS-III; Lauren Hutchinson, OMS-II; Jackson Griffin, OMS-II; Stephanie Child, PhD; Jared Vineyard, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ELLIS LOCKE, PHD

Poster #17

Efficacy of upper versus lower molar morphology for inferring diet in cercopithecoid primates

Authors: Ellis Locke, PhD; Conner Gould, OMS-II; Alexander Myers, OMS-II; Christofer Peterson, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

JACKSON GRIFFIN, OMS-II

Poster #18

Comparison of Photographic, 3D model, and Algorithmic Methods for Allograft Matching in a Cadaveric Sample

Authors: Jackson Griffin, OMS-II; Dinwoodey Greer, OMS-III; Stephanie Child, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

JOHN CURRAN, OMS-I, KAMRON MODROW, OMS-I

Poster #19

All-Onlay Anterolateral Ligament Reconstruction Technique of the Knee

Authors: Nathan L. Grimm, MD^{1,2}; Jack Curran, BS¹; Kamron Modrow, BS¹; Elizabeth Ryan, BS¹; Andrew E. Jimenez, MD³; and Benjamin J. Levy, MD⁴

Affiliations: ¹Idaho Sports Medicine Institute, Boise, Idaho, ²Department of Biomedical Engineering, Boise State University, Boise, Idaho, ³Department of Orthopaedics and Rehabilitation, Yale School of Medicine, New Haven, Connecticut, ⁴Department of Orthopaedic Surgery, Division of Sports Medicine Montefiore Einstein, Bronx, New York

JOSEPH PESA, OMS-II

Poster #20

Variation in Musculocutaneous Nerve Insertion Into the Coracobrachialis Muscle: Implications for Axillary Brachial Plexus Block

Authors: Joseph Pesa, OMS-II; Ellis Locke, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

KYLIE HAAS, OMS-II

Poster #21

Tendinous Overlap in Supraspinatus and Infraspinatus Attachments: An Anatomical Study

Authors: Kylie Haas, OMS-II; Agata Rubis, OMS-II; Brad A. Chadwell, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

LAUREN HUTCHINSON, OMS-II, CLAY JOHNS, OMS-II

Poster #22

Evaluating Bi-Acromial Width as a Predictor of Catheter Length for Tunneled Port-a-cath Placement

Authors: Lauren Hutchinson, OMS-II; Clay Johns, OMS-II; Chandresh Khimji, OMS-II; Jackson Griffin, OMS-II; Ryan Hardy, MD; Stephanie Child, PhD; Jared Vineyard, PhD

Affiliations: Idaho, Idaho College of Osteopathic Medicine, Meridian, Idaho

LILY ROBB, OMS-II

Poster #23

Apical Reach of Coronary Arteries in Female vs Male Cadavers

Authors: Lily Robb, OMS-II; Blaine Maley, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

SOPHIA MADSEN, OMS-II

Poster #24

Investigating Sex Differences and Shape on Glenoid Inclination Angle

Authors: Sophia Madsen, OMS-II; Brad A. Chadwell, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

BREN FOX, OMS-II

Poster #25 (Virtual)

Investigating the Morphological Differences of the LisFranc Joint Between Sexes

Authors: Bren Fox, OMS-II; Brad A. Chadwell, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

THOMAS RIPPERDA, OMS-II

Poster #26

Fibrotic Development in Cadaveric Cardiac Bypass Grafts Compared to Non-grafted Cadaveric Saphenous and Internal Thoracic Vessels

Authors: Thomas Ripperda Jr., OMS-II; Andrew Marks, OMS-II; Jared Vineyard, PhD; Blaine Maley, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

VICTORIA BOCZON, OMS-II

Poster #27

Cubital Tunnel Syndrome and Anconeus Epitrochlearis Associated Risk: A literature review

Authors: Victoria Boczon, OMS-II, Stephanie Child, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ANAIIKA SAHOTA, OMS-II

Poster #28

ICOM Research Lab Space Utilization Quality Improvement Project

Authors: Anaiika Sahota, OMS-II; Joanna Owen; Michael Wells, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ANTHONY GUIDOTTI, OMS-III

Poster #29

A Comparative Evaluation of Custom ChatGPT-4o (CHET-GPT) Versus EPIC DAX for Neurosurgical SOAP Notes

Authors: Anthony Guidotti¹; Ethan Cline¹; Shrvan Alturi, MHA¹; Ondrej Choutka, MD²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Saint Alphonsus Regional Medical Center, Boise, Idaho

AVERY ERICKSON, OMS-I

Poster #30

Evaluating Shift Work, Dietary Pattern, and Weight Status Among Registered Nurses in United States: A Pilot Study

Authors: Avery Erickson, MS, RDN, LD, CLC^{1,2}; Maria Morgan-Bathke, MBA, PhD, RDN, CD, FAND²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Viterbo University, La Crosse, Wisconsin

POSTERS

BRANDON BENSON, OMS-II, ELLIOTT BERENS, OMS-II

Poster #31

Correlating Biometric Data and Needle Depth: A Proposed Pilot Study Using Ultrasonography to Determine the Best Predictor of Needle Length Required for Successful Intramuscular Injections of the Deltoid

Authors: Brandon Benson, OMS-II; Elliott Berens, OMS-II; David Hightower, MD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

CHRISTOPHER JACOBS, OMS-II

Poster #32

Heberden's Nodes and Osteoarthritis of Distal Interphalangeal Joint

Authors: Christopher Jacobs, OMS-II; Jared Vineyard, PhD; Ellis Locke, PhD

Affiliations: Idaho, Idaho College of Osteopathic Medicine, Meridian, Idaho

DENNIS MEAD, OMS-II

Poster #33

Evaluating the effectiveness of Arterial Balloon Occlusion in reducing hysterectomy rates in a placenta accreta spectrum patient

Authors: Dennis Mead, OMS-II; Matthew Linton, PhD; Jared Vineyard, PhD; Karisa Schmalz, RN, BSN

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

HAILY FRITTS, OMS-II

Poster #34

Enhancing Dermatology Access in Rural Communities: A Survey on Patient Perspectives and Teledermatology Utilization

Authors: Haily Fritts, BS; Elizabeth Sebastiao, BS; Rodney Bates, DO

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

MICHAEL PAPPAS, OMS-III

Poster #35

Evaluating Proximal Humerus Fracture Patterns and Corresponding Surgical Treatments

Authors: Benjamin Boothby, DO¹; Sean Porter, DO¹; Logan Druessel, DO¹; Michael Pappas, BS²; Seth Philips, DO¹

Affiliations: ¹Mercy Health St Vincent Medical Center, Toledo, Ohio
²Idaho College of Osteopathic Medicine, Meridian, Idaho

NIKA MAGNANI-CONVERTINO, OMS-III

Poster #36

A review of hormone replacement treatment (HRT) in patients with Turner Syndrome (TS), a 15-year chart review

Authors: Nika Convertino, OMS-III¹; Kevin Blaine²; Nikta Forghani, MD²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Children's Hospital of Orange County, University of California Irvine, Irvine, California

CONNER CHARLES, OMS-III

Poster #37 (Virtual)

Comparing the Watchman Procedure to Pharmacotherapy in Atrial Fibrillation (AF) - Examining Risk of Ischemic Stroke and Major Bleeding

Authors: Isaiah Porter, OMS-III¹; Conner Charles, OMS-III¹; Zachary Philpot, OMS-III, MHM¹; Chanel Ross, MS-III²; Kyle Scheer, OMS-III¹

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²The University of Arizona College of Medicine, Tucson, Arizona

WHITNEY DUROCHER, OMS-II, TESS FERGUSON, OMS-II

Poster #38

Attitudes, Practices, and Training Surrounding Pain Management for Intrauterine Device Insertion: A Provider Study

Authors: Whitney Durocher, OMS-II; Tess Ferguson, OMS-II; Donald Dyer, MD; Sara Adams, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ANAIKA SAHOTA, OMS-II

Poster #39

Uncharted Territory: Can Accelerated Pharmacy Program Students Perform Publishable Hands-On Laboratory Research in Multidisciplinary Sciences?

Authors: Anaiika Sahota, OMS-II; Wasana Sumanasekera, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

CHRISTINE YANG, ROBERT BURNS, LANDON HATCH, LEVI BUTLER, JOAO VITOR GARDES CARDOSO (OMS-II)

Poster #40

Osteopathic medical student exposure to clinical based research at local Urology clinic

Authors: Joao Cardoso, OMS-II; Landon Hatch, OMS-II; Levi Butler, OMS-II; Christine Yang, OMS-II; Robert Burns, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

CONNOR MORSON, OMS-II

Poster #41

Advancing Plastic Surgery Education: The Imperative for Ultrasound Training

Authors: Connor A. Morson, OMS-II¹; Elizabeth A. Bailey, MD²
Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Department of Plastic Surgery, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

MARA KRUTSINGER, OMS-II

Poster #42 (Virtual)

Sexual Health Screenings and History Taking in Medical Education

Authors: Mara Krutsinger, OMS-II¹; Jessica Evans, PhD¹; Michael Castel, PhD²
Affiliations: ¹Idaho, Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Boise State University, Boise, ID

DALIN ASHTON, OMS-II

Poster #43

Appendicitis Management: The Recurrence Risk of Antibiotic Therapy

Authors: Dalin Ashton, OMS-II, Denver Dobson, OMS-II
Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

DYLAN TRAMA, OMS-II

Poster #44

Idaho College of Osteopathic Medicine - 2nd Planetary Health Report Card

Authors: Dylan Trama; Teresa Bradford; Lauren Hutchinson; Mara Krutsinger; Jay Kammer, MD
Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

EMILY MCCLAY, OMS-II

Poster #45

Assessing the diagnostic ability and confidence of medical students on varied skin color

Authors: Emily McClay, OMS-II; Anaiika Sahota, OMS-II; Quinn Schroeder, OMS-II
Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

HEEJEE YOO, OMS-I, NIMA AMINZADEH, OMS-I

Poster #46

Longitudinal Analysis of Students' Perception of Elective Advanced Pharmacy Practice (APPE) Rotations that involve Bench research and Scientific Writing over Five Years

Authors: Heejee Yoo^{1,3}; Nima Aminzadeh^{1,3}; Jared Vineyard, PhD¹; Christian Castro²; Wasana Sumanasekera, PhD^{1*}
Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Sullivan University College of Pharmacy and Health Sciences, Louisville, Kentucky ³Joint first authorship. *Principal Investigator

NICHOLAS WHITING, OMS-II

Poster #47

Student-Generated Figures for the Blood, Immune, and Infection Course at Idaho College of Osteopathic Medicine

Authors: Nicholas Whiting, OMS-II¹; Inaia Phoenix, PhD²
Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Roseman University Health Sciences, Henderson, Nevada

JULIANA MADEJ, OMS-I

Poster #48

Integrating Body Image Education into Osteopathic Medicine: A Curriculum Model for Holistic Patient Care

Authors: Juliana Madej; Lillian Bennett; Jaymes Kodak; David Oyler; Giho Jeong; Elijah McCoy; Emily Reinig; Jenisa Oberbeck, DO; Sarah Davis, DO
Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

SAMREEN ANEES, OMS-II, AMULYA JAIN, OMS-II

Poster #49

Establishing a Pilot Program for Repeating Students: ResilienceRx, A Peer Mentoring Initiative at ICOM

Authors: Samreen Anees, OMS-II; Amulya Jain, OMS-II
Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

GABRIELLE ECHT, OMS-III

Poster #50

A Rare Surgical Case of a 30 cm Ovarian Teratoma

Authors: Gabby Echt, OMS-III²; Dave Raphael, MD¹
Affiliations: ¹Santa Barbara Cottage Hospital, Sansum Clinic Healthcare of Santa Barbara, Santa Barbara, California, ²Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

HARSHDEEP KAUR, OMS-III

Poster #51a (Virtual)

A Case Report of Infant-Type Hemispheric Glioma with a novel PPP1CB-ALK Kinase Fusion and Response to Lorlatinib

Authors: Harshdeep Kaur, OMS-III; Brandon Taylor, DO

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho, Thrive Pediatrics, Meridian, ID

HARSHDEEP KAUR, OMS-III

Poster #51b (Virtual)

A Case Report: Paraneoplastic Cerebellar Degeneration Secondary to Prostate Cancer

Authors: Harshdeep Kaur, OMS-III; Anant Wadhwa, MD²

Affiliations: ¹Idaho, Idaho College of Osteopathic Medicine, Meridian, Idaho, ²St. Luke's Hospital, Boise, Idaho

AMULYA JAIN, OMS-II

Poster #52

Observation over Operation for a C8 Schwannoma: A Case Report of a Rare Brachial Plexus Tumor

Authors: Amulya Jain, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

GABRIELLE ECHT, OMS-III

Poster #53

Fournier's Gangrene and a Potential Complication: A Case Report

Authors: Gabby Echt, OMS-III²; Conner Charles, OMS-III²; Craig Cowling, DO¹

Affiliations: ¹West Valley Medical Center, Caldwell, Idaho, ²Idaho College of Osteopathic Medicine, Meridian, Idaho

ISAIAH PORTER, OMS-III

Poster #54 (Virtual)

Conversion of a Partial Nephrectomy to Radical due to Extrarenal Clear Cell Carcinoma of the Renal Hilum

Authors: Isaiah Porter, OMS-III²; Conner Charles, OMS-III²; Nicholas Hopson, DO¹; Kent Newsom, DO¹

Affiliations: ¹Monument Health Rapid City Hospital, Rapid City, South Dakota, ²Idaho College of Osteopathic Medicine, Meridian, Idaho

IYAH TOTOUNJI, OMS-II

Poster #55

Acute Inferior STEMI in a Young Male with a Factor V Leiden Mutation and Testosterone-Induced Hypercoagulability: A Case Report

Authors: Iyah Totounji, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

SETH ROETMAN, OMS-II

Poster #56

Lack of clear management guidelines for acute STEMI care in long term anticoagulated patients in rural areas

Authors: Seth Roetman, OMS-II; Gary Brandecker, MD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ZACHARY PHILPOT, OMS-III

Poster #57

Neurological Immune Reaction in Response to Vaccine Administration

Authors: Zachary Philpot, OMS-III¹; Conner Charles, OMS-III¹; Isaiah Porter, OMS-III¹; Craig Cowling, DO²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²West Valley Medical Center, Caldwell, Idaho

ALEX PITTARD, OMS-II

Poster #58

The Efficacy of Telerehabilitation in Post-Operative Orthopedic Recovery: A Narrative Literature Review

Authors: Alex Pittard, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

RACHEL OATES, OMS-III

Poster #59 (Virtual)

Rare Presentation of Factor X Deficiency Secondary to Systemic AL Amyloidosis

Authors: Rachel Oates, OMS-III

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

ARIA JOHNSON, OMS-II

Poster #60

Overview of Lynch Syndrome: Screening & Outcomes

Authors: Aria Johnson, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ASPYNN OWSLEY, OMS-II

Poster #61

Examining the Use of Immunotherapy for Treatment of Atopic Dermatitis and the Effect on Atopic March

Authors: Aspynn Owsley, BS¹; Haily Fritts, BS¹; Kelly Frasier, DO, MS²

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Department of Dermatology, Northwell Health, New Hyde Park, New York

BEN HUNTHAUSEN, OMS-II

Poster #62

Mental Health Outcomes in collegiate athletes with Post Concussive syndrome

Authors: Ben Hunthausen, OMS-II; Jessica Ziebarth, DO

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

CHRISTIAN BUSSJAEGER, OMS-III

Poster #63

Should Processed Electroencephalography (pEEG/BIS) be commonplace in the OR?

Authors: Christian Bussjaeger, OMS-III

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

DENVER DOBSON, OMS-II

Poster #64

Assessing Total Disc Replacement as a Viable Alternative to Spinal Fusion: A Decade of Evidence

Authors: Denver Dobson, OMS-II; Dalin Ashton, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

DILLON TRAVIS, OMS-II

Poster #65

Clinical Outcomes of Arthroscopic Correction of Posterior Shoulder Instability

Authors: Dillon Travis, OMS-II; Jessica Ziebarth, DO

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

DINWOODEY GREER, OMS-II

Poster #66

Minimally Invasive vs. Open Spinal Surgery: A Comparative Analysis of Outcomes, Recovery, and Evolving Trends in Lumbar Degenerative Disease Management

Authors: Gregory Swets, OMS-III; Dinwoodey Greer, OMS-III; Ethan Cline, OMS-III

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

ELIZABETH SEBASTIAO, OMS-III

Poster #67

Probiotic Formulations in the Treatment of Acne Vulgaris

Authors: Elizabeth Sebastiao, OMS-III¹; Alejandra Sataray-Rodriguez, BS²; Emily Deehan, BS³; Kelly Frasier, DO, MS⁴

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²University of Nevada, Reno School of Medicine, Reno, Nevada, ³Dr. Kiran C. Patel College of Osteopathic Medicine, Davie, Florida, ⁴Department of Dermatology, Northwell Health, New Hyde Park, New York

ETHAN CLINE, OMS-III

Poster #68

Effects of Corpus Callosotomy on Spatial Orientation and Bimanual Coordination: A Review

Authors: Ethan Cline, OMS-III; Anthony Guidotti, OMS-III; Shravan Atluri, OMS-IV

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

QUINN SCHROEDER, OMS-II

Poster #69

Treat or Not to Treat: Literature Review of Molluscum Contagiosum

Authors: Quinn Schroeder, BS, OMS-II; Andrea Belovich, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

POSTERS

JOHN EDGE, OMS-II

Poster #70

Literary Review of The Ethnic Rhinoplasty

Authors: John Edge, OMS-II; Andrea Belovich, PhD

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

JADE SAKELARIS, OMS-II

Poster #71

Clinical Approach to Women with Eating Disorders Seeking Fertility Treatment

Authors: Jade Sakelaris, OMS-II

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

HALEY FONCECA, OMS-II

Poster #72

Smoking and Vaping Lead to Addiction and Incidence of Electronic Cigarettes and Vaping Associated Lung Injury (EVALI)

Authors: Haley Fonceca, OMS-II^{1,5}; Kaila Bui^{2,3}; Wasana Sumanasekera, PhD^{1*}

Affiliations: ¹Idaho College of Osteopathic Medicine, Meridian, Idaho, ²Sullivan University College of Pharmacy and Health Sciences, Louisville, Kentucky, ³Joint first authorship, *Principal Investigator

ETHAN CLINE, OMS-III

Poster #73

The Impact of Next-Generation Sequencing Panels on Diagnosis and Treatment Outcomes in Osteosarcomas: A Review

Authors: Ethan Cline, OMS-III; Dinwoodey Greer, OMS-III; Anthony Guidotti, OMS-III; Theron Hawks, OMS-III; Greg Swets, OMS-III

Affiliations: Idaho College of Osteopathic Medicine, Meridian, Idaho

IBRAHIM MUJAHID, OMS-III

Poster #74

The Effects of Blood Pressure Management using Digital Health Interventions with respect to compliance, confounding conditions, and effectiveness: A Narrative Review

Authors: Ibrahim Mujahid, OMS-III; Sanim Choudhury, OMS-III

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Poster #75

Paroxysmal Sympathetic Hyperactivity: Clinical and Pharmacological Treatment Methods

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Poster #76

The Menopausal Hormone Therapy Prescribing Patterns Before and After Publication of the Women's Health Initiative 2002 Study

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Poster #77

Guanfacine Efficacy for Adult ADHD

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Poster #78

The Impact of Structured Perioperative Care on Clinical Outcomes in Patients with Traumatic Brain Injury: A Systematic Review

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Poster #79

The Impact of Radiation Therapy on the Gut Microbiome and Its Potential Role in Autonomic Dysfunction

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POSTERS

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Poster #80

Best Practices for Delayed Fascial Closure Following Damage Control Laparotomy

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Poster #81

Traversing the Complexities of Maintaining Progress on a Multi-Year ASD Genetics Meta-Analysis

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Poster #82

SA Literature Review of Surgical Methods for the Treatment of Primary Angle Closure Glaucoma (PACG)

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Poster #83

X-ing Out Mosquito-Borne Disease: Dosage Compensation as a Basis for Vector Control Approaches

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Poster #84

Malignancy Risk and Screening in Myopathic Dermatomyositis

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Poster #85

The Efficacy of a GLP-1 Agonists in Improving the Clinical Course of Heart Failure with Preserved Ejection Fraction in Patients Complicated by Diabetes

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Poster #86

Adverse Cutaneous Manifestations of GLP-1 Agonists: A Review of the Literature

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Poster #87

The Efficacy and Safety of Chamomile During the Peripartum Period

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Poster #88

Neuroanatomical Differences in Individuals with Autism Spectrum Disorder (ASD)

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Poster #89

Smoking and Vaping Lead to increased Severity of COVID-19: A Review

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