



10th Annual Research Symposium

Program

WEDNESDAY, FEBRUARY 21, 2024

SOUTH JORDAN CAMPUS

ROSEMAN UNIVERSITY
OF HEALTH SCIENCES

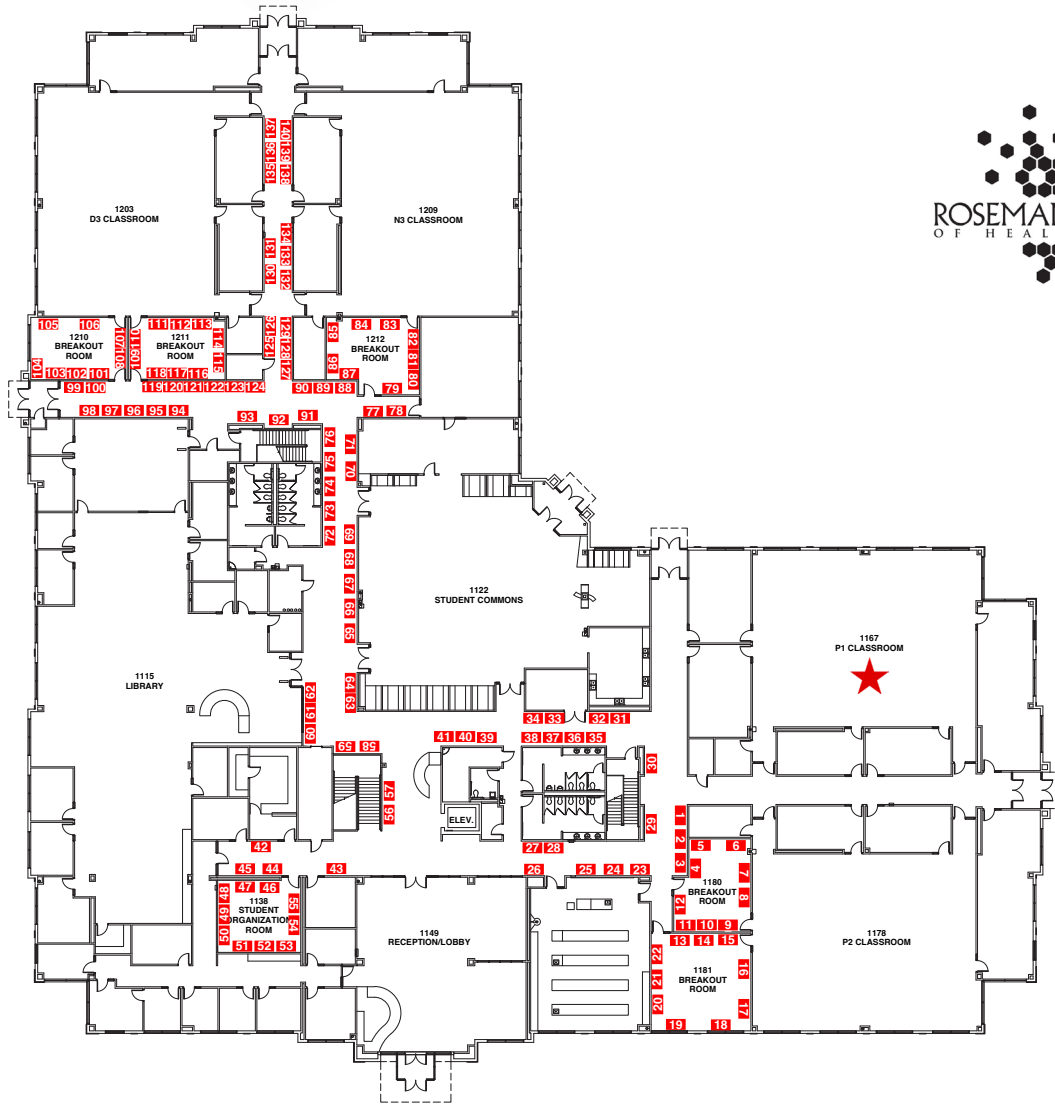
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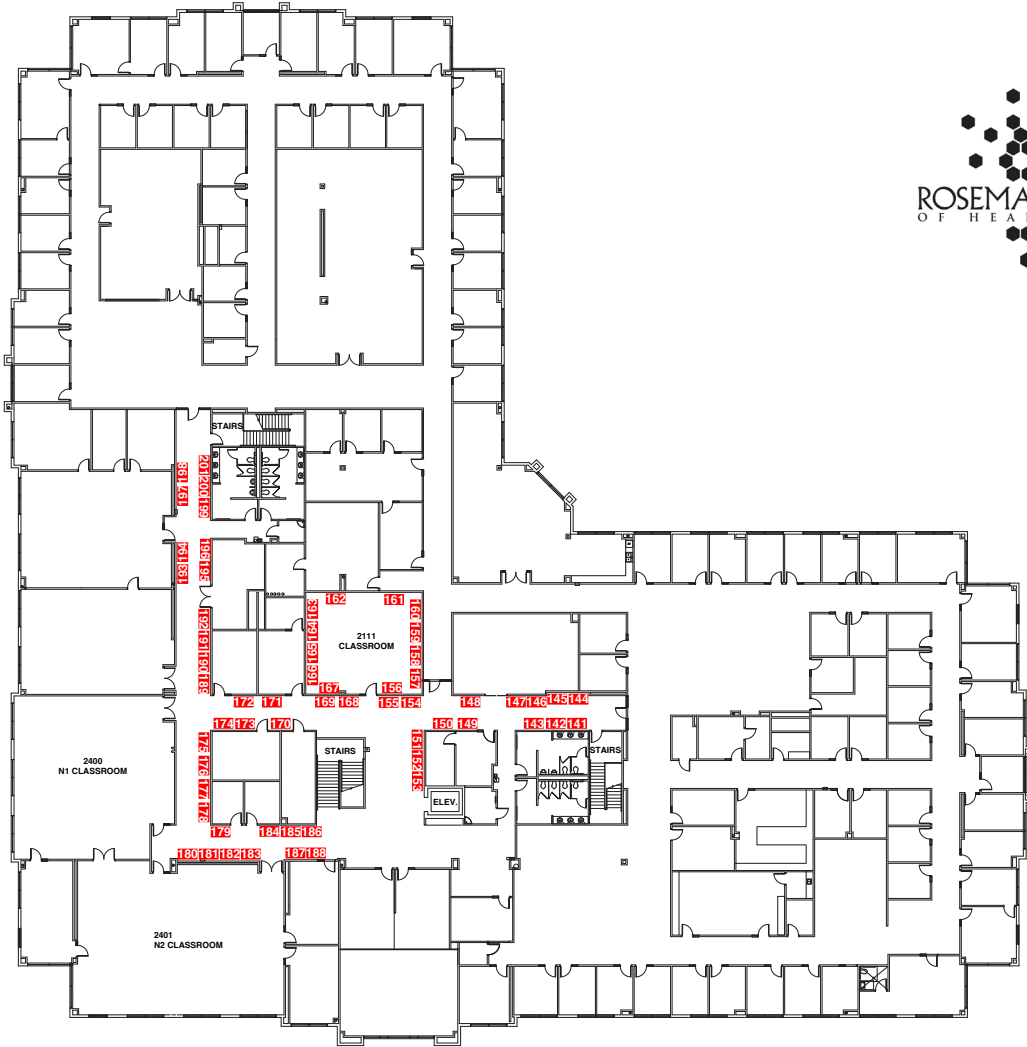
ROSEMAN UNIVERSITY
OF HEALTH SCIENCES

RESEARCH SYMPOSIUM POSTER PRESENTATION MAP



LEVEL 1
POSTERS 1-140

RESEARCH SYMPOSIUM POSTER PRESENTATION MAP



LEVEL 2
POSTERS 141-201

Agenda

2:30 – 3:00 PM

Registration and Presenter Check-In

3.00 – 4:00 PM

Welcoming Remarks & Podium Presentations, P1 Classroom

4:00 – 5:00 PM

Keynote Speaker – Michael Reddy, DMD, “Embracing Precision and Data Science in Dentistry,” P1 Classroom

5:00 – 6:00 PM

Poster Session

6:00 – 6:15 PM

Break (Meal Served). P1-1 Breakroom

6:15 – 6:30 PM

Awards and Closing Remarks P1 Classroom

Keynote Speaker



Michael Reddy, DMD, DMSc, serves as dean of the School of Dentistry and associate vice chancellor of Oral Health Affairs at UCSF. An internationally renowned periodontist, Dr. Reddy is a recognized advocate for innovation in dentistry and integrating oral health with overall health care.

He serves on numerous boards in the profession and in the community and is the current editor of the *Journal of Dental Education*. He is actively involved in health care policy and health professional education reform at the national level. Dr. Reddy earned a Bachelor of Science from the University of Hartford, a Doctorate of Dental Medicine from the Harvard School of Dental Medicine, and a Doctorate of Medical Science from Harvard University.

Podium Speakers

Time	Presentation
3:15 – 3:30PM	“Evaluating EEG Monitoring of Standard TMS Intervention for Anxiety”. Presented by: Jacob Warner. Noorda College of Osteopathic Medicine.
3:30 – 3:45 PM	“Pathological Effects of Electronic Cigarette Exposure in Mouse Pregnancies”. Presented by: Evan Clark (BYU)
3:45 – 4:00 PM	“Availability of Receptors for Advanced Glycation End-products (RAGE) Influences Differential Transcriptome Expression in Mice Exposed to Chronic Secondhand Smoke”. Presented by: Ryan Van Slooten (BYU)

Poster Session

	Poster Number	Title	Presenter
	1	The Impact of Smoking Hookah on the Dental Anatomy	Taysear Ali
	2	Doxorubicin-induced endothelial cytotoxicity is prevented by Semaglutide.	Chelsea Amaefuna
	3	LSTM-based Recurrent Neural Network Predicts Influenza-like-illness in Variable Climate Zones	Alfred Amendolara
	4	GLP-1 Agnosists and Alcohol Dependency	Marryam Anwar
	5	DNA Extraction Method Development for Ocular Tissues	Conrad Ashby
	6	Effectiveness of blended learning in UG periodontal training: a systemic review	Quinten Ashton
	7	Comparing the Efficacy of Various Diagnostic Techniques for Acute Compartment Syndrome	Kallin Austin
	8	Dissecting the Impact of Medicinal Plant Compounds on Systemic Diseases	Karen Ayetiwa
	9	Awareness of the 20-20-20 Rule Amongst Students, Faculty and Staff at a Medical School Utilizing Pre-recorded Video Lectures	Joseph Bachman
	10	Association of sleep quality with academic performance among undergraduatedental students: a systematic reviewRunning title: Sleep quality affects GPA	Kamyar Bagheri
	11	Development of a Curriculum for Osteoporosis Education in Rural Populations	Serin Baker
	12	Patient Education on Naloxone Use and Fentanyl Testing	Monika Baranek
	13	Exploration of the Effects of Suboccipital Release Osteopathic Manipulative Treatment on Sleep Quality and EEG Patterns in Medical Students: A Pilot Study	Paul Bejarano

	Poster Number	Title	Presenter
	14	Exercise Blocks Ethanol-Induced sensitization of Kappa Opioid Receptors in Nucleus Accumbens and Ventral Tegmental Area.	Brandon Burger
	15	The Role of Genetics in Class II Dentoskeletal Malocclusion	Richard Burris
	16	ENDS use and periodontal status - Findings from the PATH Study	Sabrina Cervantes
	17	Exploring the resilience of Two commercial suturing materials subjected to Thermocycling and Chlorhexidine immersion: An In Vitro Study	Devadharshini Chandrasekar
	18	Validity of digital cephalometric tracing: A systematic review	Alia Chaudhry
	19	A Multidisciplinary Approach: Creating a Spanish for Medical Professionals Course	Stephanie Chavez
	20	Anxiety in Medical Students	Camron Chugg
	21	Sulforaphane Pre-treatment Improves Alveolar Macrophage Killing after Alcohol-Induced Dysfunction in Human and Murine Cells in vitro	Nathan Clark
	22	The Role of the Pharmacist in Substance Use Disorder	Mackenzie Cruzan
	23	Differential serum inflammatory cytokine elaboration in Nepali brick factory workers	Katrina Curtis
	24	The Use of Platelet-rich Fibrin for Accelerated Orthodontic Tooth Movement: A systematic review	Rhett Dalley
	25	Oral Health and Alzheimer's: The Oral Microbiome Link	Izzie Davis
	26	Correctly Fitting the Q-Collar by Measuring Changes in Brain Compliance through Tilt Table Testing.	Eric Demro

	Poster Number	Title	Presenter
	27	Dental malocclusion and gastrointestinal problems: A scoping review	Aditya Deshpande
	28	Diversity and inclusion: A Qualitative study design	Rachaell Diaz
	29	Orthodontic Treatment and Quality of Life	Claudia Eisenhuth
	30	Dilemma of Micro-osteoperforations in orthodontics	Gabriel Eisenhuth
	31	Nanorobotics - A revolution in endodontic care	Mary Elizabeth
	32	Substance Use Disorder (SUD) – The Cost in Utah	Amber Escobedo
	33	Pharmacogenetics and its implementation in pharmacy practice	Sandra Farag
	34	The pharmaceutical use of MDMA for the treatment of PTSD	Sandra Farag
	35	Overlooked Dental Disease in CBCT Imaging and the Impact of Oral Radiologist Interpretation	Jared Fausnaught
	36	Investigate the biochemical basis of the neurological phenotype of Xeroderma Pigmentosum	Parker Feltner
	37	FetalGroEX: a reliably sourced, cost-effective alternative to fetal bovine serum in cell culture growth	Porter Fife
	38	Evaluation of Weight Trends in Prostate Cancer Patients on Anti-Androgen Therapy	Erin Frohnapfel
	39	Fixation Of Customized Healing Collar Using Flowable Composite In Implant Placement Following Horizontal Ridge Split Procedure Using Prf And Bone Graft	Pragya G

	Poster Number	Title	Presenter
	40	Pinhole surgical technique - A minimally invasive approach for the management of gingival recession using i-PRF: A case series	Pavithra G
	41	The Immunomodulating Effects of Delta-9 Tetrahydrocannabinol (THC) and Cannabidiol (CBD) in Human Neuronal SH-SY5Y Cells in vitro	Diane Gabriel
	42	Birth Progression Monitor	Erik Gardner
	43	Exploring the Link of Orthodontic Treatments and Temporomandibular Disorders	Jacob Gardner
	44	Evaluation of the Roseman Basics Leveling Course – Comparing Survey Results from February 2022 and 2023	Sonny Gaul
	45	Comparing Osteopathic Student Preferences and Outcomes Between Virtual Reality and Cadaveric Anatomy Labs	Zachary Gerndt
	46	Exosomes: A Scoping Review of Applications in Precision Medicine and Dental Precision Medicine	Ryann Glenn
	47	Ethanol Effects on KCC2 Expression and Function	Jon Gonzales
	48	The Immunomodulating Effects of Delta-9 Tetrahydrocannabinol (THC) and Cannabidiol (CBD) Ratios in the Context of Inflammation and Infection	Rose D. Goodman
	49	Distinguishing Leukemic Cells Using Fractal Chromatin Patterns and Machine Learning	Abigail Gordhamer
	50	Impact of E-cigarette use on oral health	Justina Gorgy
	51	Investigating the Impact of Ozempic Treatment on Alcohol Consumption in Individuals with Class 1 and Class 2 Obesity	Yvannia Gray
	52	Porcelain Fused to Zirconia Wing Bridge: A Clinical Trial	Gerald Greenan
	53	Assessing Migraine Treatment Efficacy: Shear Wave Elastography in Optimizing Osteopathic Manual Manipulation Techniques	Joe Harbold
	54	Investigating the Interplay between Glucose Regulation, Neural Activity, and Motivation Utilizing Heterodyned Whole-body Vibration.	Blake Harris

	Poster Number	Title	Presenter
	55	Pharmacist Interventions increase uptake of Pneumonia Vaccination in at-risk populations: A Review.	Kaitlyn Hinton
	56	Evaluation of Intermountain Health Outpatient Infusion Reactions	Rebecca Howard
	57	A Clustering Model of Biometric Data Collected from Patients with Cardiovascular Disease in Nigeria	Rosemary Iwuanyanwu
	58	3D Printed Models in Undergraduate Endodontic Education	Razi Jalali
	59	Photodynamic therapy effects in the treatment of residual pockets	Kade Janes
	60	ALGINATE DRESSINGS– REVISTING THE PAST	Oshine Jha
	61	Imposter Phenomenon Among Osteopathic Medical Students	Tipsuda Junsanto Bahri
	62	Efficacy of bone marrow aspirates in bone regeneration compared to conventional bone grafts- A systematic review	Hannah Kadic
	63	LIGAPLANT: RECREATING NATURAL FROM ARTIFICIAL	Disha Kamavisdar
	64	Treatment of Craniofacial Problems With Stem Cells in Dentistry	Melanie Katz
	65	Enhancing Orthodontic Care: Reducing Discomfort and Treatment Time	Aman Kaur
	66	Lipid soluble thiamine derivatives prevent pancreatic adenocarcinoma	Nancy Kaushal
	67	Accuracy of IOL Power Calculators Following Myopic Refractive Surgery	Walker Kay
	68	Bridging Knowledge and Care: The Role of Health Literacy in Diabetes Outcomes Among South Asian Populations	Sameen Kazmi
	69	Complicated by Bilateral Cystadenomas: Insights from a Surgical Intervention Case	Sameen Kazmi
	70	Dietary and Nutritional Changes in Parkinson's Disease Patients with Anosmia: A Comprehensive Literature Review	Sameen Kazmi

	Poster Number	Title	Presenter
	71	Understanding the Impact of Ichthyosis on Skin-Related Quality of Life	Sameen Kazmi
	72	Development of a Combination Pre-participation Dental Screening and Triaging Form	Ryan Kinney
	73	Semaglutide prevents hyperglycemia-induced endothelial cell dysfunction	Jesse Kupfer
	74	Deciphering Psilocybin: Cytotoxicity, Anti-inflammatory Effects, and Mechanistic Insights	Salma Laabi
	75	An edible Chinese mushroom product, Vialinin A, prevents colon cancer growth. Divya Lahori, Dallin Thornton, Kota V Ramana Dept. of Biomedical Sciences, Noorda College of	Divya; Dallin Lahori; Thornton
	76	Investigating Racial and Ethnic Healthcare Disparities in Screenable Ob/Gyn-Related Cancers	Lara Laughrey
	77	Hypersensitivity Reactions with Chlorhexidine: A Concern for Dentists	Jonathan Lee
	78	Analyzing the Relationship Between Adolescent Malnutrition and Oral Health: A Systematic Review	Samantha Lee
	79	In-Silico Testing of the Taste Type 2 Receptors Associated with Caffeine Bitterness.	Kevin Ludwig
	80	Xylazine's Cytotoxic Effects on Central and Peripheral Tissues—Deciphering a Biphasic Expression	Amanda Ly
	81	Neurocognitive Considerations and Impacts in Chronic Migraines	Kennedy Madrid
	82	Immediate implant placement following Pre-extractive molar interradicular osteotomy – A case report	Bawatharani Maharavi
	83	Rapid Detection of IgE-Specific Food Allergy Using Click Chemistry	Manas Mandal

	Poster Number	Title	Presenter
	84	The Effectiveness of Artificial Intelligence (AI) in the Early Detection of Oral Cancer	Arzu Manochchri
	85	An Analysis of Common Psychopathology Diagnoses and Treatments in Primary Care Pediatrics	Michael Milius
	86	In silico identification of small molecule agonist binding sites on KCC2	Kenyon Mitchell
	87	Assessing Oral Cancer Knowledge, Attitude and Practice Amongst Dental Students	Hyma Moparthi
	88	Masticatory efficiency improvement after Class III orthognathic surgery: Scoping Review	Mason Mullaney
	89	Combatting the Opioid Crisis: Improving Communication between non-English Speaking Communities and their Providers	Yensi Munoz
	90	Amelioration of anxiety with heterodyned whole body vibration in persons with opioid use disorder	Ryan Murdoch
	91	The effect of minocycline administration on ethanol and nicotine-induced microglial BDNF secretion and subsequent cellular responses	Lauren Nelson
	92	Exploring Glucose Dysregulation in Migraine: Insights from Continuous Glucose Monitoring	Jack Nielsen
	93	Changes to the University Curriculum Can Cause Negative Social and Emotional Impacts on Peer Mentorships and Relationships, Including Stereotype Threat	Rachel Tomco Novak
	94	Challenges in diagnosing Hepatic Epithelioid Hemangioendothelioma (HEHE): a case series report	Aratara Nutcharoen
	95	Raynaud's Phenomenon: A Case Report	Nate Nyberg
	96	Breast cancer prevention by vitamin B1 derivatives, benfotiamine and fursultiamine.	Caroline O'Neill

	Poster Number	Title	Presenter
	97	The Effect Of Fluoride Mouthrinse On Demineralization During Orthodontic Treatment	Christopher Orellana
	98	ONCE UPON A LIME: A TALE OF PEDIATRIC PHYTOPHOTODERMATITIS	Kyanna Orr
	99	Diversity and Inclusion: A Quantitative Survey Study	Emmanuel Oyalabu
	100	Vitamin D and Dental Caries	Himani Patel
	101	Interprofessional Healthcare: A Systematic Review	Neha Patel
	102	Prophylactic antibiotic prescribing in dental practices	Shetu Patel
	103	Effectiveness of Virtual Learning Environments for Teaching Tooth Morphology to Dental Students: A Systematic Review	Akash Patel
	104	The effect of deep marginal elevation on fatigue of indirectly restored permanent molars: a systematic review	Irina Pepper
	105	Correlation between Descriptors and Differential Diagnoses in Oral Radiology Resident CBCT Interpretation	Tyler Peterson
	106	Prevention of colorectal cancer by lipophilic vitamin B1 derivative.	Sudeep Poludasu
	107	De Novo Microdeletion Spanning YWHAE and CRK in an Individual with Intellectual Disability and Stunted Growth	Eden Pope
	108	DNA Extraction Method Development from Solid Tissues	Ryan Powers
	109	The public health concerns associated with the harmful and potentially harmful constituents (HPHC) in tobacco products and tobacco smoke.	Tyler Prescott

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	110	Change in Basic Pulmonary Function in Response to Altitude Change	Holly Radke
	111	Prevention of lung cancer growth by an edible mushroom-derived p-terphenyl antioxidant, Vialinin-A	Neha Ratna
	112	In-vitro Evaluation of Curcumin Permeability in an Oil-based formulation	Brandon Renninger
	113	Assessing the Prevalence of Computer Vision Syndrome at an Osteopathic Medical School with an Electronic Content Delivery Model	Jonathon Reynolds
	114	Assessing the Impact of Spinal Manipulative Therapy on Thoracic Range of Motion Using DARI Motion Capture	Layla Risdon
	115	Behind the Spine: Investigating Cervical Posture, Range of Motion, and Their Role in Mental Health	Layla Risdon
	116	Non-Traditional Presenting Grade II Brain Meningioma: A Case Study	Alessandra Rivera
	117	Angiofibroma of Soft Tissue	Jake Robins
	118	Race, Ethnicity, and Food Allergy	Francesca Rose
	119	Investigating the Genetics of Chronic Intractable Migraine with Reactive Hypoglycemia	C. Yvonne Russell
	120	Libido in Medical Students	Carolina Sabates
	121	Gas Station Heroin: Tianeptine's Cytotoxic Effects on Central and Peripheral Tissues in vitro	Daoud Sajady
	122	Role of Amyloid Precursor Protein (APP695) and its Swedish Mutant in Inducing Inflammasome-Mediated Inflammatory Response in the Brain.	Sydney Sands

	Poster Number	Title	Presenter
	123	The Effect of Augmented Reality Feature in Complete Anatomy Application on Educational Outcomes in Students with Autism Spectrum Disorder	Anagha Sanne
	124	Real-time and microbiological stability of extemporaneously compounded amiloride nasal spray	Ben Sayre
	125	Improving Pharmaceutical Compounding as a Drug Shortage Mitigation Strategy in Kenya with a Train-the-Trainer Course in Pharmaceutical Compounding	Gwen Sayre
	126	Development of a protocol for obtaining biological samples for genetic testing from remote individuals	Noah Schultz
	127	Vitamin B1 derivatives benfotiamine and fursultiamine prevents glioblastoma cells growth in vitro and in vivo	Swathi Senthil
	128	Comparative Analysis of Denture Cleanser Effects on Surface Roughness: Traditional vs. 3D-Printed Resin Bases – A Systematic Review	Taroniar Sevathas
	129	An Analysis of Artificial Intelligence Studies in Dentistry: Clinical Applications and Next Steps	Ali Shariff
	130	The efficacy of TADs in skeletal open bite correction	Charles Sheffield
	131	Interplay between Sleep, Western Diet, and Cognitive Performance in Osteopathic Medical Students	Alan Shoemaker
	132	FDA-Approved Drugs Derived from Natural Products	Sarah Shwani
	133	Dopamine D2 Receptors as a Peripheral Biomarker for Brain Dopamine Levels	Christina Small
	134	A Pharmacist's Central Role in Improving Hormonal Contraceptive Access	Aleese Smith
	135	The National Status of Pharmacist Ability to Prescribe Hormonal Contraceptives	Aleese Smith

	Poster Number	Title	Presenter
	136	Psychedelics for Pharmaceutical Use - What the literature says 2018-2023	Quincy Snell
	137	Machine Learning for Child Oral Health: A Systematic Review	Sydnee Spector
	138	Edible mushroom-derived compound, vialinin-A, prevents ocular inflammation.	Tori, Sara Spector, McMahon
	139	Comparing persister cells generated by peroxide and antioxidant stress	Mark Stoll
	140	Unveiling the Dynamics: Analyzing Drug Release and Cell Viability between Simvastatin loaded Advanced-Platelet Rich Fibrin (A-PRF) and Titanium prepared Platelet rich Fibrin (T-PRF)	Uma Subbiah
	141	Urogenital Vascular Anomaly: A Cadaveric Case Study	Talia Swanke
	142	Chronic Intractable Migraine: A Case Study	Natalie Tate
	143	The Fast Food Fast Track: A Review on the Effects of the Western Diet on the Pathogenesis of Alzheimer's Disease	Shirley Tawdros
	144	Relationship Between Exercise and Depression in Osteopathic Medical Students	Stephanie Thompkins
	145	Modified Zero-Gravity Chair and Bed in the Management of Anxiety and Insomnia with Emphasis on Pre and Post Anesthesia for a Surgical Procedure	Boyd Tisdale
	146	Fursultiamine prevents VEGF-induced neovascularization	Sabrina Tran
	147	Prevalence of headaches and migraines amongst osteopathic medical students	Virginia Traster
	148	Factors Leading to White Blood Cell Misidentification	Kirsten Van Dam

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	149	Medication Errors Among ALS Providers in the Prehospital Setting	Cody Vaughn Gibson, Ms, Nraemt
	150	Alcohol Exposure: A Stress Cue for Bacterial Persister Cell Development	Matthew Wagner
	151	Neuropsychological Findings in Idiopathic Adult-Onset Epilepsy Case Study: Noorda COM Student Investigation	Jacob Warner
	152	The Impact of Navigation Genre on LDI	Thomas Wasden
	153	Effectiveness of the Anatomy Academy Program on teaching 6th graders Healthy Behaviors	Katherine Watson
	154	Obesity and Dental Caries in School Children	April Watts
	155	Harm Reduction Measures in Substance Use Disorder (SUD)	Kent Wood
	156	Association of Vitamin D Receptor (VDR) genes with Hypomineralization: A narrative review	Hattie Young
	157	Investigating Optimal Laboratory Growth Conditions of Gracilibacillus halotolerans in Media Supplemented with Salt	Isaac Young
	158	Chromatin pattern quantification in differentiation of white blood cells	Paul Young
	159	Lipophilic vitamin B1 derivatives, benfotiamine and fursultiamine, prevent melanoma growth and invasion.	Amber Zafar
	160	Exploring the Interconnected Role of the Oral Microbiome and Periodontal Disease in the Development and Progression of Oral Squamous Cell Carcinoma: A Comprehensive Review	Malak Al-Regib
	161	The Impacts of Electronic Cigarettes on Users	Aria Patel

Poster Number	Title	Presenter
<u>INTERNATIONAL POSTERS DISPLAYED</u>		
162	Shilajit elicits apoptosis and suppresses cell migration in oral cancer cells through targeting Urokinase-type plasminogen activator (uPA) and its receptor (uPAR) and chemokine signaling pathways	Abdullah Ali M. Alqahtani
163	Convolutional Neural Network Based Analysis - An Aid to Diagnose Bacterial and Fungal Osteomyelitis	Sai Prasad Alva
164	Cheiloscopy Characteristics detection and Pattern Classification by Machine Learning Technique	Dominic Augustine
165	Relationship between periodontal disease and coronary heart disease: A bibliometric analysis	Xiaowen Bo
166	Torsional evaluation on different bending conditions of two Nickel Titanium Rotary Glide Path files with different alloy	Chiara Bramucci
167	Influence of the addition of bioactive glass particles in resin adhesives on the cementation of orthodontic brackets	Gabriela Da Silva Chagas
168	CLINICAL, RADIOGRAPHIC, AND BIOCHEMICAL EVALUATION OF ONE-PIECE VS TWO-PIECE SINGLE IMPLANTS AFTER 5 YEARS OF FUNCTIONAL LOADING	Ippolito Caputo
169	Mechanical evaluation of a newly introduced reciprocating file	Maurilio D'Angelo
170	Fit evaluation of soft milled zirconia and CoCr by microcomputed tomography	Elie Daou
171	Bonding of composites for aligner attachments to the dental enamel	Luis Felipe Abbado De Souza
172	Spatial Analysis of Maxillary Central Incisors in Relation to the Nasopalatine Canal and Surrounding Alveolar Bone	Harnoor Dhillon

	Poster Number	Title	Presenter
	173	Role of Mumio in periodontal wound healing—an in vitro study on human PDL cells	Jagadish Hosmani
	174	Effect of Low Intensity Pulsed Ultrasound (LIPUS) and Emdogain on Root Resorption in Amelogenin Knockout (AMEX) Mice	Caitlin Huynh
	175	Evaluating the Effectiveness of Mindfulness Meditation in Reducing Chronic Pain Among the Elderly	Rosly Joby
	176	Transforming Oral Cancer Care in Saudi Arabia: A Collaborative Innovation to Enhance Early Detection and Prevention via an Interactive Decision Support System	Mohammed Jafer
	177	Surface modifications of orthodontic bone screws – A novel approach	Menta Sai Kalyan
	178	Prevalence, Symptoms, and Triggering Factors of Panic Attacks among Dental Students in Riyadh Saudi Arabia—A Cross Sectional Survey	Sanjeev Balappa Khanagar
	179	Effect of Nano-curcumin oral administration as an adjunctive therapy with scaling and root planning in the management of gingivitis.	Aitha Lakshmi Pranathi
	180	A Comparative Study of Chitra-Hydroxyapatite Silicate Granules(HASi) and Platelet Rich Fibrin in Reconstruction of Maxillary and Mandibular Benign cystic lesions	Adarsh M
	181	Computational Approach of Antiviral Peptide Docking Against Herpes Simplex Virus Type 1 targeting ICP0 and ICP4 in Herpetic Gingivostomatitis	Kamalaharshini M
	182	A Computational Framework for Identifying Salivary Exosomal MicroRNAs as Potential Predictors of Malignancy in Oral Lichen Planus	Sudhan M
	183	Influence of abutments surface (machined vs. laser-microgrooved) in soft-tissue response during one year of function: clinical and biochemical outcomes of a RCT with split-mouth design	Elisa Maccari

	Poster Number	Title	Presenter
	184	A cross-sectional study of the association between previous diagnosis of anxiety, depression or suicidal ideation and fear of the repercussions of a possible war involving Latin American countries – A survey in 13 Latin American countries	Christian R. Mejia
	185	Evaluating the Impact of Low-Level Laser Therapy on Accelerating Orthodontic Tooth Movement	Mcqueen Mendonca
	186	PINNACLE PRECISION: A SYMPHONY OF TISSUE ADHESIVE AND SUTURES IN PERIODONTAL FLAP SURGERY	Saranya Mohan
	187	Assessment of Condylar volume changes in Class II Division 2 patients treated with proclination of maxillary incisors, overbite reduction and dentoalveolar expansion using Invisalign Clear Aligners	Hanie Morsi
	188	ASSESSMENT OF CONDYLAR MORPHOLOGY IN DIFFERENT FACIAL PATTERNS: A CBCT STUDY	Shruti Patil
	189	Anti-erosion potential of fluoride solutions associated with aminomethacrylate copolymer: in situ randomized crossover study	Taiana Paola Prado
	190	Investigating the Impact of Annealing on Chemically Precipitated Hydroxyapatite Nanoparticles: A Combined Structural and Spectroscopic Approach	Prem Rajula
	191	Implementation of Motivational Interviewing training in Dentistry	Akash Ramprasad
	192	Do orthodontic treatments affect chewing efficiency and Maximum Voluntary Clenching (MVC) for different malocclusion groups?	Vivek Reddy
	193	Investigating the phytochemicals in Sargassum (Brown algae) against the therapeutic targets of Oral Squamous Cell Carcinoma Metastasized from Breast: An Approach Utilizing Network Pharmacology	Mahema S
	194	Comprehensive Assessment of Socket Preservation Techniques: Exploring the Effectiveness of Titanium-PRF and Demineralized Freeze Dried Bone Allograft in Implant Dentistry"	Surthi Senthil

	Poster Number	Title	Presenter
	195	DIRECT R GOLD AND O.R.E TECHNIQUE MANAGEMENT OF A CHALLENGING CASES	Marco Seracchiani
	196	Impact of simulated toothbrushing and dentifrice abrasiveness on the surface roughness, gloss, and microhardness of CAD/CAM hybrid restorative materials	Luana Souza
	197	Influence of orthodontic treatment on changes in the maxillary sinus dimensions	Eiji Tanaka
	198	“Effectiveness of clear aligner therapy in the treatment of Class II Malocclusion”	Omar Abed
	199	Detection of Cervical Lymph Node Micrometastasis - A Machine Learning Based Approach	Sowmya Sv
	200	Soft tissue Secrets: A Comparative Analysis of Facial Soft Tissue Thickness in Skeletal Class II Versus Class I Malocclusions	Jacob Thomas
	201	Influence of Sleep Pattern and Oral Hydration on Academic Performance among Undergraduate Dental Students-A Pilot Study	Bassam Alibrahim



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