



2022 LSOM Research Symposium: *From Discovery to Translation*

Poster Session #2 Directory

Poster Number	Research Type	Name	Category	Poster Title
1	Clinical Research	Momtaz, David	Medical Student	Socioeconomic Status Affects Amputation and Mortality Rates in Necrotizing Fasciitis Patients
2	Clinical Research	Momtaz, David	Medical Student	Obesity Increases Time to Union in Surgically Treated Pediatric Fracture Patients
3	Clinical Research	Momtaz, David	Medical Student	ASA Score and Age are Predictors of Mortality and Amputation in Necrotizing Fasciitis Patients
4	Clinical Research	Malmquist, Jacob	Medical Student	Association Between Hemoglobin A1c and Postoperative Infections in Elective Hand Surgery
5	Clinical Research	McMullin, Preston	Medical Student	Intravenous Angiotensin II Successful Use in the Treatment of Refractory Nimodipine-Induced Vasoplegia: A Case Report
6	Clinical Research	Means, Grayson	Medical Student	Performance and Longevity After Total Knee Arthroplasty in Professional Golfer's Association Players
7	Clinical Research	Baeuerle, Eric	MD/PhD student	Sevelamer Improves Insulin Sensitivity in Obese Humans with Normal Glucose Tolerance
8	Clinical Research	Mozumder, Aaisha Siddiqua	Medical Resident	Moyamoya Syndrome in the Setting of Sturge Weber: A Case Report
9	Clinical Research	Mynam, Ritwick	Medical Student	The Novel use of PLEX in the Treatment of COVID19-induced CNS Vasculitis
10	Clinical Research	Nguyen, Amy	Medical Student	Insufficient Guidelines for Mult-system Inflammatory Syndrome in a Fully Vaccinated Pediatrics Patient with Sickle Cell Disease and COVID-19
11	Clinical Research	Ni, Andrew	Medical Student	Healthy Choices Team Year 3: Community Empowerment on Healthier Choices During an Ongoing Pandemic
12	Clinical Research	Nie, Jia	Graduate Student	Assessment of The Factors Associated with Early Outcomes Following Standardized Therapy in Children with Ulcerative Colitis (PROTECT) via Bayesian Logistic Regression
13	Clinical Research	Nyancho, Daniel	Medical Student	Intraparenchymal Hemorrhage Associated with Brain Tuberculoma- First Reported Case
14	Clinical Research	Offutt, Michael	Medical Resident	Corneal Ulcer Positivity Rate at Tertiary Referral Center



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15	Clinical Research	Oh, Thomas	Medical Student	The San Antonio Kidney Model: Development of a Proficiency-Based Curriculum and Gathering Validity Evidence for a Low Fidelity Kidney Transplant Anastomosis Model and Assessment Tool
16	Clinical Research	Oud, Lee	Medical Resident	A Multidisciplinary Approach to Improving the Patient Discharge Process by Targeting Delays in Medication Delivery
17	Clinical Research	Patel, Anish	Medical Student	YouTube as a Guide for DeQuervain's Tenosynovitis: a Systematic Review and Analysis of Content
18	Clinical Research	Pfeiffer, Alixandria	Medical Resident	Fetal Cardiotocographic Monitoring During Maternal Transport
19	Clinical Research	Quach, Emily	Medical Student	Retrospective Review of Dermatological Conditions in Transgender Patients at LGBTQIA+ Student-Run Free Clinic
20	Clinical Research	Quirarte, Jaime	Medical Student	Evaluation of Diversity Representation on Orthopaedic Residency Program Websites
21	Clinical Research	Ray, Roshni	Veritas Mentors in Medicine	Increasing Guidance for Medical Students Considering Visiting Student Rotations
22	Clinical Research	Ridge, Natalie	Medical Resident	FDG PET SUV as a biomarker of abscopal and low-dose radiation responses in checkpoint inhibitor-resistant tumors
23	Clinical Research	Saleeb, Christine	Medical Student	Feasibility, Acceptability and Impact of Using the Lucky Iron Fish® on the Prevalence of Iron Deficiency Anemia in Young Children in the Shinyanga Region of Tanzania.
24	Clinical Research	Seiber, Jacob	Medical Student	Case Study of a Subglottic Cyst
25	Clinical Research	Shah, Anaya	Medical Student	Cervicofacial Actinomycosis Involving the Left Philtrum and Left Nasal Septum
26	Clinical Research	Sharma, Aditi	Veritas Mentors in Medicine	Long School of Medicine: Declassified Fourth Year Survival Guide
27	Clinical Research	Simonetti, Nathalia	Medical Student	Dressler's Syndrome Presenting as Persistent Tachycardia Without Electrocardiographic Changes
28	Clinical Research	Slocum, Dean	Medical Student	Impact of Obesity on Complication Rates of Distal Radius Fractures: An Analysis of the ACS NSQIP
29	Clinical Research	Smith, Matthew	Medical Student	Evaluation of Orthopaedic Residency Program Reporting of Faculty and Resident Diversity Data
30	Clinical Research	Stansbury, Nicholas	Medical Resident	In-person Versus Virtual Instruction and Simulation for Obstetric Deliveries in the Field



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31	Clinical Research	Sutanto, Michelle	Medical Student	Sociodemographic Predictors of COVID-19 Vaccine Hesitancy and Leading Concerns with COVID-19 Vaccines among Pregnant Women at a South Texas Clinic
32	Clinical Research	Sy, Christopher	Medical Resident	The Association of Takotsubo Cardiomyopathy and Aneurysmal Subarachnoid Hemorrhage: A Nationwide Analysis
33	Clinical Research	Tamirisa, Saraaga	Medical Student	Comparative Analysis of Whole Blood Resuscitation in Severely Injured Pediatric Patients
34	Clinical Research	Taylor, Marlow	Medical Resident	Improving Patient Care With More Rapid Telephone Call Response Times Using a Lean Six Sigma Approach
35	Clinical Research	Toro Velez, Esteban	Medical Resident	Acute Myocarditis Secondary to Pembrolizumab Infusion
36	Clinical Research	Treffalls, John	Medical Student	Online Resources for Patients with Peripheral Artery Disease: Failing to Make the Distance!
37	Clinical Research	Venigalla, Subhash	Medical Student	"Out of Bounds": Atraumatic Posterior Shoulder Dislocation in an Amateur Golfer
38	Clinical Research	Wang, Rebecca	Medical Student	Sex-based Differences of Achilles Tendon Rupture on Player Performance and Longevity in Professional Basketball Players
39	Clinical Research	Wang, Angela	Medical Student	Pediatric Necrotizing Pancreatitis: A Case Report
40	Clinical Research	Xu, Nasa	Medical Student	Majority minority: an analysis of the disproportionate demographics of COVID-19 patients in San Antonio
41	Clinical Research	Yang, Phillip	Medical Student	Investigating Mental Health in San Antonio Adolescents: A Community-Based Participatory Research Approach
42	Clinical Research	Nagel, Sarah	Medical Student	Factors Influencing Operative Management of Adolescent Proximal Humerus Fractures
43	Clinical Research	Nagel, Sarah	Medical Student	Use of Clindamycin for Necrotizing Soft Tissue Infection Decreases Amputation Rate
44	Basic Science Research	Li, Shili	Graduate Student	Epigenetic Modulation of Class-switch DNA Recombination to IgA by miR-146a through Downregulation of Smad2, Smad3 and Smad4
45	Basic Science Research	Li, Guannan	Postdoctoral Fellow	Hepatic SRPK2 Activity Plays a Role in Mice and Humans with Alcohol-Associated Liver Disease
46	Basic Science Research	McCoy, Alexandra	Graduate Student	Extrasynaptic $\alpha 5$ GABAA Receptors are Necessary for the Antipsychotic-Like Effects of GL-II-73



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47	Basic Science Research	Morales, Desirae	Graduate Student	LRG1 Mediates Diet-induced Hyperinsulinemia by Enhancing Glucose-Stimulated Insulin Secretion (GSIS)
48	Basic Science Research	Neal, Francisco	MD/PhD student	The tumor suppressor BRCA2 safeguards genome integrity through its C-terminal recombinase binding domain
49	Basic Science Research	Peri, Saketh Ram	MD/PhD student	Analysis of Air Flowrate Standards for Portable Suction Devices
50	Basic Science Research	Rivera, Carlos	Postdoctoral Fellow	B Cell TLR-BCR Linked Coengagement Induces Class-switched, Hypermutated and Protective Antibody Responses in Absence of T cells
51	Basic Science Research	Sacks, Adam	MD/PhD student	Mechanism of Shieldin-mediated Regulation of DNA End Resection in DNA Break Repair Pathway Choice
52	Basic Science Research	Selig, Emily	Postdoctoral Fellow	FLI1 modulates the physical properties of EWSR1 biomolecular condensates
53	Basic Science Research	Shealy, Gavyn	Graduate Student	Hepatocyte SIRT1 Ablation Increases Osteopontin Expression and Liver Fibrosis Through Induction of Hepatocyte-Specific NOTCH Signaling
54	Basic Science Research	Smithson, Blake	Graduate Student	Aging Triggers Induction of the NAD ⁺ -ase CD38 and Promotes the Development of Alcoholic Liver Fibrosis
55	Basic Science Research	Thallapureddy, Keerthi	Medical Student	A Novel, High-throughput Approach to Augment Driver Event Identification in Pheochromocytomas and Paragangliomas
56	Basic Science Research	Tiwari, Ankur	Medical Resident	Combination of CDK 4/6 Inhibitor Palbociclib with Rapamycin Synergistically Inhibits Growth of Hepatocellular Carcinoma in Preclinical Models
57	Basic Science Research	Todd, Austin	MD/PhD student	Development of a Lung-specific Mouse Model of SARS-CoV-2 Infection
58	Basic Science Research	Vallecer, Jensine	Graduate Student	Role of Lymphotoxin-beta Receptor in Methotrexate-induced Intestinal Epithelial Injury



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59	Basic Science Research	Wang, Xuewei	Graduate Student	Mechanical Stress Inhibits Breast Cancer Bone Metastasis via Osteocytic Connexin Hemichannels
60	Basic Science Research	Wedemeyer, Michael	Postdoctoral Fellow	Hemi-equilibrium Action of Buprenorphine
61	Basic Science Research	Xu, Yijiang	Graduate Student	Rad52 mediates class switch DNA recombination to IgD through MM-Alternative End-Joining
62	Translational Research	Lane, Megan	Medical Student	Message Framing, PFC activation and PrEP Adherence in yMSM
63	Translational Research	Martinez-Scholze, Elizabeth	Graduate Student	The Role of Somatic Hypermutations in Broadly Reactive Antibodies Isolated from Individuals Protected from Severe Malaria
64	Translational Research	Metcalf, Megan	Medical Student	Brain Expression of Serotonin 1A Receptors in a Mouse Model of Williams Syndrome
65	Translational Research	Morgan, Rachel	Graduate Student	Anatomical Variations of the Limbic System: A Cadaveric Study
66	Translational Research	Munoz, Jessian	Clinical Fellow	Development, Validation and Application of VEGF as a Novel Biomarker for Placenta Accreta Spectrum (PAS)
67	Translational Research	Ortiz, Carlos	Medical Resident	Developing an Ex Vivo Human Liver Model to Investigate Microwave Ablation
68	Translational Research	Pathapati, Rajeev	Medical Student	Systematic assessment and evaluation of YouTube video media pertaining to multiple sclerosis
69	Translational Research	Radit, Nahin T.	Graduate Student	A Novel Astrocyte-Targeting Drug, AST-004, As a Potential Treatment for Spinal Cord Injury
70	Translational Research	Wilkey, Andrew	Medical Student	Comparison of Central Venous Catheter Exchange Techniques for Air Embolism Prophylaxis in an in vitro Model
71	Basic Science Research	DeBello, Robert	Veritas Mentors in Medicine	First-Year Preclinical Medical Education Stressors - A Veritas Project
72	Clinical Research	Carlisle, Daniel	Veritas Mentors in Medicine	A Guide for Performing Research as Medical Students



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73	Clinical Research	Ghosh-Choudhury, Nayana	Veritas Mentors in Medicine	Evaluation of Imposter Syndrome at Long School of Medicine
74	Clinical Research	Henning, Kalli	Veritas Mentors in Medicine	Veritas Mock Interviews Increase Confidence for Residency Interviews
75	Clinical Research	Katuri, Josh	Veritas Mentors in Medicine	Veritas PAD: Preparing for Application Database
76	Clinical Research	Ray, Roshni	Veritas Mentors in Medicine	Increasing Guidance for Medical Students Considering Visiting Student Rotations
77	Clinical Research	Sharma, Aditi	Veritas Mentors in Medicine	Long School of Medicine: Declassified Fourth Year Survival Guide
78	Clinical Research	Sherry, Emily	Veritas Mentors in Medicine	Providing a Framework for Exploring Medical Specialties
79	Clinical Research	Zhu, Caroline	Veritas Mentors in Medicine	Does early exposure to study skills and content tutoring resources improve student outcomes?
80	Translational Research	Altenhofen, Amanda	Veritas Mentors in Medicine	Enhancing Third Year Medical Student Understanding of the ERAS Application
81	Translational Research	Brown, Lauren	Veritas Mentors in Medicine	Digital Wellness: The Impact of Social Media & Screen Time on Medical Student Wellness
82	Translational Research	Fakhri, Christiana	Veritas Mentors in Medicine	Primary Care Residency Advising Guide
83	Translational Research	Hoffstadt, Olivia	Veritas Mentors in Medicine	Veritas Career Social Hours: A Virtual Networking Project
84	Translational Research	Kennedy, Charles	Veritas Mentors in Medicine	Military Student Survival Guide



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85	Translational Research	Pelkmann, Thomas	Veritas Mentors in Medicine	Assessment of Medical Student Wellness During Third Year
86	Translational Research	Poffenbarger, Mason	Veritas Mentors in Medicine	(Un)Chartered Territory
87	Translational Research	Subramanian, Siva	Veritas Mentors in Medicine	Veritas CV Workshop
88	Basic Science Research	Archer, Crystal	Postdoctoral Fellow	Optogenetic control of PIP2-dependent epithelial Na ⁺ channel activity
89	Basic Science Research	Debner, Emily	Graduate Student	Kappa Opioid Receptors in Keratinocytes are Essential for Peripheral KOR-Mediated Antinociception
90	Basic Science Research	Eassa, Nicole	MD/PhD student	A5-GABAAR Positive Allosteric Modulator Reverses Psychosis-like Neuronal and Behavioral Deficits in a Rat Model of Alzheimer's Disease
91	Basic Science Research	Greene, Susan	Postdoctoral Fellow	Expression of Key Modulators of Serotonergic Neurotransmission after Chronic Metformin Treatment
92	Basic Science Research	Lim, Eunice	Graduate Student	Differential Effects of Cholinergic Facilitation on Norepinephrine-dependent Astrocyte Ca ²⁺ Dynamics During Vigilant State
93	Basic Science Research	Naratadam, George	MD/PhD student	Peripheral Myeloid Cells Are Required For Resolution of Painful CIPN
94	Basic Science Research	Osmulski, Pawel	Faculty	Macrophages Connection: Aggressive Nanomechanical Phenotypes of Circulating Tumor Cells in Prostate and Lung Cancers.
95	Clinical Research	Uscamayta Ayvar, Marucela	Staff	Dimensional characterization of brain volumetry and behavior expression in hospitalized patients by affective and/or anxiety symptoms, as a predictor of clinical outcomes.