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Dean's Research Newsletter, May 2024

Neil W. Schluger

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Dear NYMC Community,

I am pleased to share with you the latest issue of the SOM research newsletter highlighting some of the impressive research accomplishments of our faculty and students, which include publications in major scholarly journals, including *Nature* and *JAMA*, and important findings across a range of areas of science and medicine, including COVID-19 vaccine-associated myocarditis, leukemia, epilepsy, and menopause. The end of the academic year also is a time when many of the research projects underway are highlighted by various departments through annual research days, some of which are also showcased in this issue.

To assist in this research, numerous resources are available to members of our NYMC community. Some of those resources are outlined in the Research Resource Corner section, including library databases, NYMC's core facilities and shared resources, and the LabArchives Electronic Lab Notebook, a cloud-based electronic notebook.



Sincerely,

Neil W. Schluger, M.D.
Dean of the School of Medicine
Professor of Medicine

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SOM Student Harry Fruchtman Sheds Lights on New Cancer Treatments with Publications in *Nature*

Harry Fruchtman, SOM Class of 2025, has long planned a career in researching and caring for patients afflicted by malignant hematological disorders. Demonstrating remarkable initiative, he is already making a significant impact with two publications in the highly prestigious journal *Nature: Leukemia*, all while pursuing his medical studies.

Isocitrate dehydrogenase (IDH) inhibitors — a newly FDA-approved therapy for acute myeloid leukemia (AML) containing IDH mutations —



were the focus of a study Fruchtman lead authored and conducted with the leukemia research team at Mount Sinai Hospital in New York City. “Our review paper analyzed the current clinical data available for the three FDA-approved IDH inhibitors for AML and how they can best treat patients with IDH-mutated AML,” said Fruchtman, who worked on the study with Nicole Brennan, SOM Class of 2025.

The second study focused on improving stem cell transplantation success, which was the result of Fruchtman’s summer research fellowship at the Weizmann Institute of Science in Israel. Fruchtman and the Weizmann researchers found that lactate played a pivotal role in the stem cell mobilization induced by granulocyte colony-stimulating factor (G-CSF), a natural compound given to patients to mobilize their stem cells, and that decreased levels of lactate may explain why some patients respond poorly. [Read more.](#)

Scarring Persists in Patients with COVID-19 Vaccine-Associated Myocarditis

The latest findings from the longitudinal multicenter study on COVID-19 vaccine-associated myocarditis (C-VAM), called MACiV (Myocarditis After COVID Vaccination), in 333 children, adolescents, and young adults led by **Supriya Jain, M.D., FSCMR, FACC, FAAP**, associate professor of pediatrics, radiology, and of public health, showed that while 82 percent of the patients in the study had evidence of myocardial injury on cardiac MRI at initial presentation, 60 percent of those patients had persistence of myocardial scarring on follow up examinations. The study, which is in pre-print in *The Lancet*, is supported by a Broad Agency Agreement of \$1,997,031 by the Food and Drug Administration.



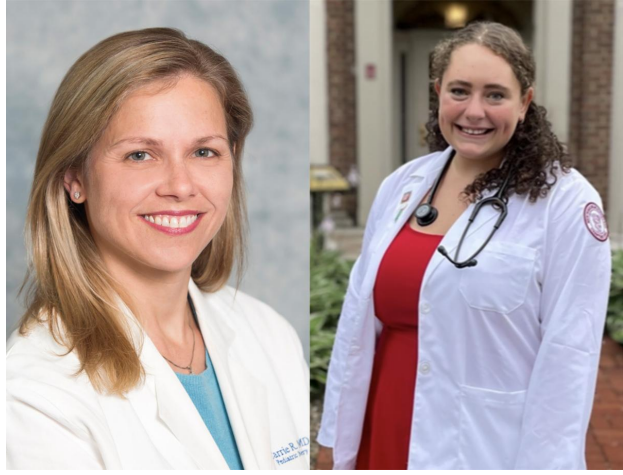
“The clinical mid-term outcomes so far have been reassuring. Cardiac symptoms and arrhythmias are still very rare, and we have not seen any cardiac-related deaths or need for heart transplantation as the result of C-VAM to date among the patients in our study,” said Dr. Jain. “However, these are adolescents and while these myocardial scars have lessened in severity over time, we do not know if they will be risk factors for future adverse events including arrhythmias or heart failure. So it’s prudent to continue to follow up with these patients over the next few years.”

The multicenter study across 38 hospitals in the U.S. compared the clinical and cardiac imaging characteristics in the C-VAM patients with those in 100 [multisystem inflammatory syndrome in children \(MIS-C\) patients](#), using advanced cardiovascular imaging, including cardiac MRI. MIS-C is a condition in which pediatric patients experience a hyper-immune response six to eight weeks after the COVID-19 infection and also can result in cardiac complications. [Read more.](#)

Stereoencephalography is Safe in Young Children with Epilepsy

A diagnostic surgery that implants electrodes to identify areas of epileptic onset in patients with drug-resistant epilepsy, known as stereoencephalography (SEEG), can be safely used in young children according to a new study published in *Child’s Nervous System* by NYMC faculty and students.

“SEEG has been contraindicated in patients who are very young because their skulls are so thin, creating concerns that the insertion of electrodes



would be more likely to cause damage to the skull and the surrounding structures,” said **Jessica Dorilio**, (photo right) SOM Class of 2025, and co-first author of the study with **Carrie Muh, M.D.**, (photo left) associate professor of neurosurgery and of pediatrics.

The study demonstrated that the insertion of SEEG electrodes can be safe in toddlers, allowing for the proper identification of the location of seizure onset to determine the proper management for patients, such as laser ablation therapy or resection. [Read more.](#)

Beyond the Classroom: NYMC Research



Miriam Katz, M.P.H., SOM Class of 2025, explains how digital health solutions in hypertension management have potential to bridge the longstanding gap in health outcomes associated with socioeconomic diversity.



A study led by **Vasiliki Gregory**, SOM Class of 2025, unveils potential strategies to alter the current landscape of heart transplantation and save more lives.

Time for “*The Change*”: Closing the Menopause Knowledge Gap in Dermatology

Dermatologists regularly encounter a spectrum of skin-related conditions tied to menopause ranging from hair loss and resurgent acne to vaginal dryness and hyperhidrosis. Yet, despite the frequency and significance of these symptoms, there remains a conspicuous gap in training in menopause care for dermatologists. In a new paper published in *The British Journal of Dermatology*, senior author **Shoshana Marmon, M.D., Ph.D.**, assistant professor of dermatology, calls for that critical need to be addressed through more extensive medical education and training for physicians.

“Unlike puberty and pregnancy, physicians generally receive little to no instruction in this important stage of life. As a result, women are increasingly turning to online sites and social media rather than their doctors to get answers to their questions and treatment for their symptoms,” said Dr. Marmon. “That needs to change through better education and awareness for physicians, specifically dermatologists, who often are the first-line doctors to see these patients due to complaints like hair loss, acne, sweating, flushing, and more.” [Read more.](#)



SOM Student Matthew Urban Pursues Ophthalmology Research with Passion



Matthew Urban, SOM Class of 2026, has been laser-focused on ophthalmology since he began medical school at NYMC, a focus that has already resulted in multiple presentations at national conferences and in scholarly publications, including most recently a study published in *JAMA Ophthalmology* on potential Medicare Part D savings on ophthalmic generic drugs, though his hunger for research goes back much further.

“My grandfather – who received an emergency cornea transplant in 2014 – was my inspiration to pursue ophthalmology and improve visual acuity in patients suffering from similar conditions,” said Urban. “This latest *JAMA* publication has been a significant validation of all the hard work I have dedicated to research in the field of ophthalmology, and it only motivates me more.”

Urban began performing research on stem cells in the eye with Victor L. Perez, M.D., at the University of Miami Bascom Palmer Eye Institute in 2015, while still a high school student. Since he began at NYMC, he has continued research with Dr. Perez at Bascom Palmer and at the Duke Eye Center in Durham, North Carolina. He currently works as a research fellow at Bascom Palmer with Dr. Perez and at Westchester Medical Center (WMC) with Abha Amin, M.D., associate professor of ophthalmology at NYMC and chief of complex anterior segment surgery at WMC. [Read more.](#)

Grants Corner

Maryam Banikazemi, M.D., associate professor of pediatrics, received a \$535,885 grant from Sanofi US Services, Inc. for “A Randomized, Open-Label, Parallel-Group, 18-Month Phase 3 Study to Evaluate the Effect of Venglustat Compared with Usual Standard of Care on Left Ventricular Mass Index in Participants With Fabry Disease and Left Ventricular Hypertrophy.”

Malik Bisserier, Ph.D., assistant professor of cell biology and anatomy and of physiology, received a \$77,000 grant from the American Heart Association for “Targeting Endothelial SIN3A Using Lung-Specific mRNA Therapy in PAH.”

Mitchell Cairo, M.D., professor of pediatrics, cell biology and anatomy, medicine, and of pathology, microbiology, and of immunology, received a \$633,778 grant from Jazz Pharmaceuticals for “NYMC600: A Phase II Inpatient Open-Label Dose-Escalation Trial of Defibrotide in Hematopoietic Cell Transplantation (HCT) Recipients with Sinusoidal Obstructive Syndrome (SOS) Post-HCT Associated with either Renal and/or Pulmonary Dysfunction with Either Refractory or Progressive Disease Following Defibrotide Therapy.”

Rebecca Glassman, M.D., assistant professor of medicine, received a \$27,642 grant from Outcome Sciences, LLC for “A retrospective real-world study of the effectiveness and tolerability of the antiretroviral treatment regimens DTG/3TC compared to BIC/FTC/TAF in older persons living with HIV.”

Kristina Harris-Petersen, M.D., associate professor of biochemistry and molecular biology, received a \$25,000 grant from the Christopher & Dana Reeve Foundation for “Teaching Clinicians About Accessibility in Clinical Skills Medical Education.”

Humayan Islam, M.D., Ph.D., professor and chair, Department of Pathology, Microbiology, and Immunology, and associate professor of medicine, received a \$81,413 grant from Regeneron Pharmaceuticals for “Frozen Tissue for Immunopeptidomic Analysis.”

Sankaran Krishnan, M.D., M.P.H., associate professor of pediatrics, received a \$893,064 grant from Sanofi US Services, Inc. for “A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess The Efficacy and Long-Term Safety of Dupilumab in Children 2 to <6 Years of Age with Uncontrolled Asthma and/or Recurrent Severe Asthmatic Wheeze;” a \$309,957 grant from AstraZeneca Pharmaceuticals for “A Randomized, Double-blind, Multicenter, Parallel-Group, Phase IIIb 52-Week Study Evaluating the Efficacy and Safety of PT027 Compared with PT007 Administered As Needed in Participants 12 to < 18 Years of Age with Asthma (ACADIA);” and a \$131,711 grant from AstraZeneca Pharmaceuticals for “A Phase III, Multicentre, Randomised, Double-blind, Chronic-Dosing, Parallel-Group, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Two Dose Regimens of Tozorakimab in Participants with Symptomatic Chronic Obstructive Pulmonary Disease (COPD) with a History of COPD Exacerbations (OBERON).”

Igor Laskowski, M.D., Ph.D., associate professor of surgery, received a \$378,990 grant from Medtronic

Vascular, Inc. for “Medtronic Endurant Stent Graft System vs Excluder Endoprosthesis: a Global, Prospective, Randomized Clinical Trial in sac Regression (ADVANCE Study).”

Sheila Nolan, M.D., associate professor of pediatrics, received a \$74,200 grant from the New York State Department of Health for “New York State Congenital Cytomegalovirus Registry.”

Cary Passik, M.D., assistant professor of surgery, received a \$45,612 grant from Alexion Pharmaceuticals, Inc. for “ARTEMIS: Ravulizumab to Protect Patients with Chronic Kidney Disease (CKD) from Cardiac Surgery Associated Acute Kidney Injury (CSA-AKI) and Subsequent Major Adverse Kidney Events (MAKE): A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study.”

Katrina Stidham, M.D., associate professor of otolaryngology, and assistant professor of neurosurgery (in collaboration with WMC clinical audiologist Samantha Morgan) received a \$13,910 grant from Cochlear Americas for “The Invisible Disability of Single-Sided Deafness Improving Hearing Quality of Life through Group Aural Rehabilitation.”

Joseph Turkowski, M.D., assistant professor of surgery, received a \$75,000 grant from Altrazael Life Science, Inc. for “Prospective Randomized, Open-Label, Multicenter Phase IV Clinical Trial to Compare Transforming Powder Dressing (TPD) to Current Standard of Care (SOC) Dressing Therapies in Acute Partial Thickness Burn Wounds.”

Steven Wolf, M.D., professor of pediatrics, received a \$128,033 grant from Biohaven Pharmaceuticals for “A Phase 2/3 Multicenter, Randomized, Double-Blind, Placebo-Controlled, Study to Evaluate the Efficacy, Safety, and Tolerability of BHV-7000 in Subjects with Refractory Focal Onset Epilepsy.”

Rongxiao Zhang, Ph.D., associate professor of radiation medicine, received a \$218,797 grant from the National Institutes of Health for “Treatment Planning system for Electron FLASH Radiation Therapy” and a \$19,299 grant from the University of Kansas for “Simultaneous dose and dose rate optimization for clinical FLASH proton radiotherapy.”

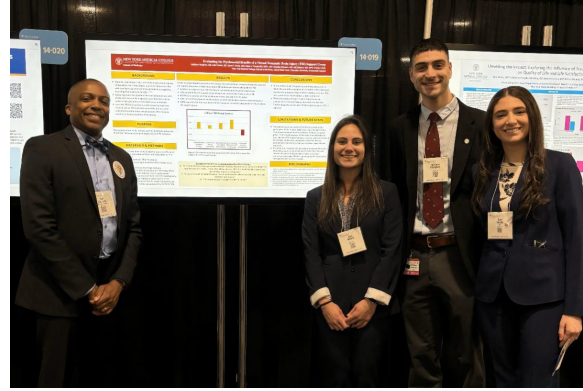
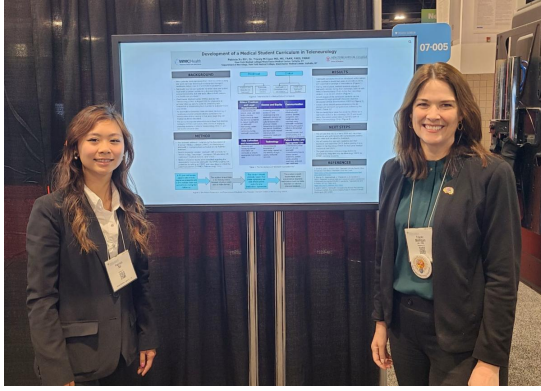
Medical Students Showcase Research at National Neurology Conference

NYMC shined at the American Academy of Neurology (AAN) Annual Meeting in April when nine medical students presented their projects on a wide variety of topics, ranging from implementing a neurology mentorship program and launching a hands-on clinical neuroscience workshop to the utility of intravenous alteplase and mechanical thrombectomy in central retinal arterial occlusions and autonomic dysfunction in autoimmune encephalitis.

“Attending the AAN Annual Meeting in Denver was an incredible experience for me as a medical student,” said Harli Weber, SOM Class of 2024. “Not only did I have the opportunity to learn about the latest advancements in the field, but I also had the opportunity to network with fellow medical students and meet some of my future co-residents. Engaging with experts in neurology provided me with insights and mentorship that has made me even more excited about pursuing a career in neurology.”



Lauren Seidman, SOM Class of 2026, gave oral presentations on infection rates associated with anti-CD20 treatment in pediatric-onset multiple sclerosis and binocular vision function testing in an Alzheimer’s disease (AD) research center. “There is growing recognition of subtle changes in visual processing and perception as early indicators of cognitive decline,” said Seidman. “In our study, binocular low-contrast acuity and the rapid automatized naming (RAN) tasks showed promise in differentiating individuals with mild cognitive impairment and early AD from cognitively normal controls.” [Read more.](#)



SOM Students Take First Place at Touro Research Day



Madelaine McElrath, (photo left) SOM Class of 2025, and **Rachel Spronz**, (photo right) SOM Class of 2025, took first place in two of the four categories of poster presentations at Touro University Research Day on May 9. The annual event recognizes excellence in research-based projects actively underway across Touro University.

McElrath won in the applied, clinical, and translational research category for her project that investigated how the hashtag #HormonalBirthControl (HBC) has been discussed on TikTok. “We found that the majority of TikTok conversations surrounding HBC were created by patients and had a negative tone,” said McElrath. “They often discussed negative side effects and negative experiences with medical providers. Only five percent of videos were created by licensed medical professionals, highlighting the potential for the spread of misinformation.”

Spronz won in the public health, epidemiology, and health sciences category for her project that examined changes in the well-being and school-related needs of school-aged children post-COVID-19 pandemic. “We conducted a secondary analysis of a longitudinal cohort study, where a nationally representative sample of parents of school-aged children were surveyed in June of 2021 and 2022,” said Spronz. “We found that the percentage of children with deficits in total difficulties, hyperactivity, and prosocial behavior decreased at follow-up, while a high percentage of children continued to experience peer problems and one school-related need remained for most parents.”

Metropolitan Hospital Center Research Day Highlights NYMC Residents Work

Residents in the NYMC-sponsored residency programs at New York Health + Hospitals/Metropolitan spotlighted their research during the annual Research Day on May 1. From the more than 50 abstracts submitted, three residents were chosen as recipients of Dean’s Awards and presented their research at the event. First place was awarded to **Wael Abdelmottaleb, M.D., M.Sc.**, (photo bottom right) a third-year internal medicine resident, for a quality improvement project that looked at EKG interpretation awareness among internal medicine residents. Second place went to **Robert Leger, M.D.**, (photo right at podium) a third-year psychiatry resident, for his research on the effects of anticholinergic burden on patients with primary psychotic patients. **Maryia Martynenka, M.D.**, (photo bottom left) a first-year pediatrics resident, took third place



for her project on improving the quality of pediatric pain management during needle-related procedures.



Research Resource Corner

The following are helpful links to resources available to faculty and students to support research.

- [Library Databases](#)
- [National Inpatient Sample Data Set Access](#)
- [Library Research Assistance](#)
- [Guide to Scholarly Publishing](#)
- [Systematic Review Guide](#)
- [Office of Research Administration](#)
- [Human Subject Research](#)
- [IRB Policies and Procedures](#)
- [Intramural Funding Opportunities](#)
- [Core Facilities and Shared Resources](#)

The **Research Repository on LEO** (*available to matriculated students*) provides centralized access to numerous resources designed to assist students in all stages of their research endeavors -- from locating a project and mentor to creating a plan for research productivity, analyzing data, and generating a scholarly product. Highlights of the site include a listing of prospective, NYMC-affiliated faculty mentors and resources for funding conference presentations.

Current students can access the Research Repository by logging into LEO/LCMS+ and under "COURSES", search for: Yr999 - 2023-2024 - SOM - Research (RESEARCH).

LabArchives Electronic Lab Notebook, a cloud-based electronic lab notebook (ELN) that makes organizing, storing, and sharing lab data fast, simple, and accessible on all digital platforms, is now available at no cost to everyone in the NYMC community.

Department of Surgery Hosts Annual Louis R.M. Del Guercio Research Day



The Department of Surgery hosted the 20th Annual Louis R.M. Del Guercio Distinguished Visiting Professorship and Research Day on May 8. A highlight of the event was the keynote address by Pedro del Nido, M.D., chief of the Department of Cardiovascular Surgery at Boston Children's Hospital, the largest congenital cardiac program in North America, and the William E. Ladd Professor of Child Surgery at Harvard Medical School.

Dr. del Nido's clinical focus is on surgical techniques for achieving bi-ventricular circulation

in children with complex heart disease and repair of congenital heart valves. He developed a cardioplegia formulation to preserve the heart during open-heart surgery, the most widely used formulation for heart preservation in adults and children in the world.

Sponsored annually since 2002, the event is named for the late Louis R.M. Del Guercio, M.D., professor emeritus of surgery, who served as chair of the Department for 24 years before retiring in 2000. The day featured a full morning of presentations by medical students, residents, and fellows, who showcased their research on a range of topics. [Read more.](#)

Physiology Research Symposium Spotlights Wide Array of Topics

The Physiology Research Symposium spotlighted the diverse range of important research underway by students, fellows, and research associates of the Department of Physiology on May 3. The presentations ranged from the non-invasive mapping of cortical microvasculature dilation and opioid-responsive orexin neuron ensembles to the impairment of placental development caused by maternal undernourishment and long-term disruption of cortical vascular networks by neuronal hyperexcitability during postnatal brain development.



Each research presentation was well received by those in attendance and provoked thoughtful questions from faculty. The half-day conference concluded with closing remarks by Christopher Leonard, Ph.D., interim chair and professor of the Department of Physiology.

“A critical component of scientific inquiry is the opportunity to engage with an informed community who will scrutinize our methods, reasoning, and evidence,” said Dr. Leonard. “Our annual research symposium provides this opportunity for our talented students and fellows who presented their ongoing research, in various stages of development, to the entire physiology community. This was a great opportunity for everyone to catch up with our neighbor’s work and to provide feedback to help advance their science. I want to thank all the participants whose contributions made this a vibrant and successful event, especially Marcello Rota, Ph.D., associate professor of physiology, and Jeanne Chamas for their outstanding efforts in organizing the symposium.”

Anesthesiology Interest Group Hosts Research Symposium



The Anesthesiology Interest Group (AIG) hosted its third annual medical research symposium on April 16, where several students presented their research projects to their fellow medical students and to attending physicians and residents in the Department of Anesthesiology at Westchester Medical Center. Hosted by third-year medical student **Ian Choe**, (second from right) SOM Class of 2025, the event featured presentations on multimodal acute pain management for women in labor with opioid use disorder by Victor Koltenyuk, SOM Class of 2025;

perceptions of pain relief during labor in the Westchester Hispanic population by **Alyssa Drexler**, (photo far left) SOM Class of 2025; diversity in the anesthesiology fellowship pipeline by Candice Dyce, SOM Class of 2025; and whether residency program directors interpret narrative letters of recommendations as intended by **Joanna Abouezzi**, SOM Class of 2024 (photo far right). Also pictured left to right: **Norbert Smietalo**, SOM Class of 2025 and AIG president; **Caitlin Gaudio**, SOM Class of 2025 and AIG secretary; and **Garret Weber, M.D.**, associate professor of anesthesiology and faculty advisor.

Faculty, Resident, and Student Publications and Accolades

The following includes a selection of recent publications by SOM faculty, residents, and students. View the full list of [publications](#).

Srihari Naidu, M.D., professor of medicine, was among the authors of [new guidelines regarding the management of hypertrophic cardiomyopathy](#) just released by the American Heart Association /American College of Cardiology Joint Committee on Clinical Practice Guidelines and published in the *Journal of the American College of Cardiology*.

Yazan Al-Ajlouni, SOM Class of 2024, published “[The Burden of Cardiovascular Diseases in Jordan: A Longitudinal Analysis From the Global Burden of Disease Study, 1990-2019](#)” in *BMC Public Health*; “[Health Data Sharing Attitudes Towards Primary and Secondary Use of Data: A Systematic Review](#)” in *EClinicalMedicine*; and “[Novel Capsule Endoscopy for Detecting Varices](#)” in *BMJ*.

David Bitterman, SOM Class of 2025, published “[Systematic Review of Randomized Controlled Trials of Topicals for Actinic Keratosis Field Therapy](#)” in *Archives of Dermatological Research*.

Muhammet Celik, M.D., psychiatry resident, published “[A Narrative Review of Current and Emerging Trends in the Treatment of Alcohol Use Disorder](#)” in *Brain Sciences*.

Christine Colasacco, SOM Class of 2025; **Elizabeth Drugge, Ph.D.**, adjunct professor of pharmacology; and **Katrina Stidham, M.D.**, associate professor of otolaryngology and assistant professor of neurosurgery, published “[Cochlear Implantation in Children With a Long Average Duration of Single Sided Deafness](#)” in *The Annals of Otolaryngology, Rhinology, and Laryngology*.

Jade Conway, SOM Class of 2024, published “[Expanding the Differential Diagnosis of the Painful Nail: A Case of an Onychopapilloma with Neuroma](#)” in *Case Reports in Dermatology*.

Ankita Das, SOM Class of 2025; and **Zachary Thomas**, SOM Class of 2025, published “[Outcomes and Survival Analysis of Adult Cervical Deformity Patients With 10-Year Follow-Up](#)” in *The Spine Journal*.

Jacob Fiedler, SOM Class of 2026, published “[Primary Follicular Lymphoma of the Prostate Co-Existing With Grade Group 5 Prostatic Adenocarcinoma and Presenting as a PI-RADS Lesion 4 on mpMRI](#)” in *Urology Case Reports*.

Michael Fortunato, SOM Class of 2024; **Galadu Subah**, SOM Class of 2024; **Bridget Nolan**, SOM Class of 2024; **Anaz Uddin**, SOM Class of 2025; **Chirag Gandhi, M.D.**, professor and chair, Department of Neurosurgery and professor of neurology and of radiology; **Stephan Mayer, M.D.**, professor of neurology and of neurosurgery; and **Fawaz Al-Mufti, M.D.**, associate professor of neurology, neurosurgery, and of radiology, published “[Ultra-Early Hemostatic Therapy for Acute Intracerebral Hemorrhage: An Updated Review](#)” in *Cardiology in Review*.

Nathaniel Goldrich, SOM Class of 2026, published “[Socioeconomic Differences Between Medically and Surgically Treated Prolactinomas: A Retrospective Review of 598 Patients](#)” in the *Journal of Neurosurgery*.

Vasiliki Gregory, SOM Class of 2025; **David Spielvogel, M.D.**, professor of surgery; and **Sugura Ohira, M.D., Ph.D.**, associate professor of surgery, published “[Optimal Arch Repair in Acute Type A Aortic Dissection: Striking a Balance Between Safety and Efficacy](#)” in *The Journal of Thoracic and Cardiovascular Surgery*.

Jacob Greisman, M.D. '23; **Grigori Vaserman, M.D. '23**; and **Merritt Kinon, M.D.**, associate professor of neurosurgery and of orthopaedic surgery, published “[Distinctive Characteristics of Thoracolumbar Junction Region Stenosis](#)” in *Clinical Spine Surgery*.

Jenne Ingrassia, SOM Class of 2024; **Julia Ash, M.D.**, associate professor of medicine; **Stephen Pan, M.D., M.S.**, assistant professor of medicine; and **Amy Wasserman, M.D., M.A.**, assistant professor of medicine, published “[Cardiovascular Manifestations in Rheumatoid Arthritis](#)” in *Cardiology in Review*. **Jenne Ingrassia** also published “[Subclinical Persistence of Residual Acral Melanoma in Situ After Treatment With Topical Imiquimod and Retinoid Creams](#)” in *JAAD Case Reports*.

Ankita Jain, SOM Class of 2026, published “[Exploiting Natural Language Processing to Unveil Topics and Trends of Traumatic Brain Injury Research](#)” in *Neurotrauma Reports*.

Katherine Kilkenny, SOM Class of 2024; **Shea McGrinder**, SOM Class of 2024; and **Nisha Lakhi, M.D.**, associate professor of obstetrics and gynecology, published “[Predictive Factors for First-Pass Intubation Failure in Trauma Patients](#)” in *International Journal of General Medicine*.

Aaqib Malik, M.D., M.P.H., assistant professor of medicine; **Wilbert Aronow, M.D.**, professor of

medicine; **Greg Lanier, M.D.**, associate professor of medicine; **Stephen Pan, M.D., M.S.**, assistant professor of medicine; **Howard Cooper, M.D.**, professor of medicine; **Alan Gass, M.D.**, professor of medicine; **William Frishman, M.D.**, professor of medicine and of pharmacology; and **Julio Panza, M.D.**, professor of medicine, published "[Pharmacotherapies in Heart Failure With Preserved Ejection Fraction: A Systematic Review and Network Meta-Analysis](#)" in *Cardiology in Review*.

Alexandra Mazo, M.D., Ph.D., assistant professor of pediatrics; **Tanya Pereira, M.D.**, assistant professor of pediatrics; **Sonia Solomon, D.O.**, assistant professor of pediatrics; and **Dmitry Samsonov, M.D.**, assistant professor of pediatrics, published "[Mycophenolate Mofetil Versus Prednisone for Induction Therapy in Steroid-Sensitive Idiopathic Nephrotic Syndrome in Children: An Observational Study](#)" in *Kidney Medicine*.

Kenji Okumura, M.D., instructor of surgery; **Abhay Dhand, M.D.**, associate professor of medicine; **Ryosuke Misawa, M.D., Ph.D.**, assistant professor of surgery; **Hiroshi Sogawa, M.D.**, professor of surgery; **Gregory Veillette, M.D.**, assistant professor of surgery; and **Seigo Nishida, M.D., Ph.D.**, professor of surgery, published "[The Effect of New Acuity Circle Policy on Simultaneous Liver and Kidney Transplantation in the United States](#)" in the *Journal of Clinical and Experimental Hepatology*.

Kathleen Roster, SOM Class of 2024; **Rebecca Kann**, SOM Class of 2026; and **Seher Banu Farabi Atak, M.D.**, dermatology resident, published "[Readability and Health Literacy Scores for ChatGPT-Generated Dermatology Public Education Materials: Cross-Sectional Analysis of Sunscreen and Melanoma Questions](#)" in *JMIR Dermatology*.

Jia Yi Tan, M.D., internal medicine resident; and **Min Choon Tan, M.D.**, internal medicine resident, published "[Mortality Trends of Chronic Lymphocytic Leukaemia in the United States With the Emergence of Targeted Therapy](#)" in the *British Journal of Haematology*.

John Vellek, SOM Class of 2024; **Omar Tarawneh**, SOM Class of 2025; **Sophia Arbuiso**, SOM Class of 2025; **Alis Dicipinigaitis, M.D. '22**; and **Fawaz Al-Mufti, M.D.**, associate professor of neurology, neurosurgery, and of radiology, published "[Andexanet Alfa Therapy Showed No Increased Rate of Thromboembolic Events in Spontaneous Intracranial Hemorrhage Patients: A Multicenter Electronic Health Record Study](#)" in *World Neurosurgery: X*. **Omar Tarawneh** also published "[The Incremental Risk of Fragility Fractures in Aging Men](#)" in *Osteoporosis International*.

Rongxiao Zhang, Ph.D., associate professor of radiation medicine, published "[Imaging and Characterization of Optical Emission From Ex Vivo Tissue During Conventional and UHDR PBS Proton Therapy](#)" in *Physics in Medicine and Biology*.



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