

ATSU Research

A newsletter produced by the Department of Research Support

Image (bovine lens epithelial cells) courtesy of Dr. Patricia Sexton

“No research without action, no action without research.” ~Kurt Lewin

Publications

Achike FI, Christner JG, Gibson JL, Milman RM, **Obadia S**, Waer AL, Watson PK. [Demise of the USMLE Step-2 CS exam: rationalizing a way forward](#). J Natl Med Assoc. 2023;115(4):385-391.

Afshari FS, Guajardo L, Kramer JM, **Musawi A**, Regasamy Venugopalan S, Sykes-Smith A. [Compressed 4-day workweek for dental faculty retention and recruitment](#). J Dent Educ. 2023;87(8):1108-1112.

Ahmad H [student], Crotts MS [student], Jacobs JC [student], **Baer RW, Cox JL**. [Shikonin causes non-apoptotic cell death in B16F10 melanoma](#). Anticancer Agents Med Chem. 2023;23(16):1880-1887.

Arias J [student], Jackson S [student], Gulati A [student], **Keane J, Goldstein LB**. [Exploring the complexity of breastfeeding and latching dysfunction with the application of osteopathic manipulative treatment \(OMT\) as a therapeutic alternative to traditional medicine](#). Arch Med Case Rep Case Study. 2023;7(3).

Arshad R, Arshad MS, Malik A, Alkholief M, **Akhtar S**, Tabish TA, Moghadam AA, Rahdar A, Díez-Pascual AM. [Mannosylated preactivated hyaluronic acid-based nanostructures for bacterial infection treatment](#). Int J Biol Macromol. 2023;242(pt 1):124741.

Ayub I [student], Hamann D, Hamann CR, Davis MJ. [Exploring the potential and limitations of Chat Generative Pre-trained Transformer \(ChatGPT\) in generating board-style dermatology questions: a qualitative analysis](#). Cureus. 2023;15(8):e43717.

Barauskas N [alum], Sawyer RA [alum], **Kochanoff K**. [Effects of vitamin D deficiency on COVID-19-related mortality and morbidity](#). Clin Advis. September 28, 2023.

Bordenave LM, Fritcher Nelson C [alum], Farley BG, McIsaac TL [adjunct]. [Impact of a 7-day retreat for people with Parkinson's disease: a phenomenological study](#). Neurodegener Dis Manag. 2023;13(4):245-255.

Publications, continued

Daguio K [student], Hwang R [student], Oladinni D [student], **Keane JF**, **Goldstein LB**. [Methadone clinics and long-term efficacy for opioid use disorder](#). *Pract Pain Manag*. 2023;23(4).

Dishman L, Smith RJ [student]. [How COVID-19 changed frontline healthcare workers' experiences: a narrative inquiry into the impact of chronic burnout on a surgical physician assistant's wellness](#). *Patient Exp J*. 2023;10(2):124-132.

Dituro R, **Bernstein J**. [Student self-assessment: reflecting on physician assistant educator's perceptions and current practices in physician assistant training](#). *J Physician Assist Educ*. 2023;34(3):209-217.

Dixon AJ, Steinman HK, Kyrgidis A, Smith H, Sladden M, Zouboulis C, ... **Cleaver L**, et al. [Improved methodology in determining melanoma mortality and selecting patients for immunotherapy](#). *J Eur Acad Dermatol Venereol*. 2023;37(7):e843-e845.

Doublestein D, Campione E, Hunley J, Schaverien M. [Pre- and post-microsurgical rehabilitation interventions and outcomes on breast cancer-related lymphedema: a systematic review](#). *Curr Oncol Rep*. 2023;25(9):1031-1046.

Fay D, Schubbe E, Albrecht A. [Influence of modified instructions on Locomotion subtest scores using the Peabody Developmental Motor Scales, Second Edition](#). *Pediatr Phys Ther*. 2023;35(3):339-345.

Frasier KM [alum], Gallagher-Poehls C [alum], Cochrane M, **Roy D**. [Secondary vasculitis attributable to post-COVID syndrome](#). *Cureus*. 2023;15(8):e44119.

French E, Reddy-Best KL. [Women's Czech folk costume: negotiating ambivalence and White ethnicity in the Midwest](#). *Cloth Text Res J*. 2023;41(3):191-207.

Fron K, Waszak J, Chrapek M, Bareja S [adjunct]. [PAs in Poland: the inaugural surgical PA curriculum](#). *JAAPA*. 2023;36(9):1-4.

Goldstein LB, Ha D [student]. [The current applications and efficacy of stem cells in dentistry](#). *EC Dent Sci*. 2023;22(10):01-06.

Han SH, **Park JH**, Seo HY, Chae JM [visiting scholar]. [Temporomandibular joint space changes in skeletal Class III malocclusion patients with orthognathic surgery](#). *Appl Sci*. 2023;13(16):9241.

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Jaqua B, Robinson S, Belfer J, Xi AS. [The trainee perspective on getting started with scholarship in graduate medical education](#). *J Grad Med Educ*. 2023;15(4):512-515.

Publications, continued

Jurado CA, Karimi K, Kim R, Nurrohman H, Deemer E, Le C [alum], French K [student], Tsujimoto A. [Effects of over-the-counter at-home whitening products with LED light on surface roughness of partially- and fully crystallized CAD/CAM lithium disilicate ceramics](#). Dent Mater J. 2023;42(4):575-580.

Mahrous A, Botsko DL, **Elgreatly A**, Tsujimoto A, Qian F, Schneider GB. [The use of artificial intelligence and game-based learning in removable partial denture design: a comparative study](#). J Dent Educ. 2023;87(8):1188-1199.

Marquez IC. [Periodontal and systemic health: shaping the future of our knowledge](#). SVOA Dent. 2023;4(4):137-139.

Meador M, **Bay RC**, **Anderson E**, **Roy D**, **Allgood JA**, **Lewis JH**. [Using the practical robust implementation and sustainability model \(PRISM\) to identify and address provider-perceived barriers to optimal statin prescribing and use in community health centers](#). Health Promot Pract. 2023;24(4):776-787.

Megafu M [student], Mian H, Megafu E, Singhal S, Lee A, Cassie R, Tornetta P III, Parisien R. [The fragility of statistical significance in distal femur fractures: systematic review of randomized controlled trials](#). Eur J Orthop Surg Traumatol. 2023;33(6):2411-2418.

Megafu MN [student], Mian HS, Hassan MM, Parsons BO, Li X, Parisien RL. [The fragility of statistical findings in distal biceps tendon repairs: a systematic review of randomized controlled trials](#). J Shoulder Elbow Surg. 2023;32(8):e379-e386.

Memmini AK, Popovich MJ, Schuyten KH, Herring SA, Scott KL, Clugston JR, ... **Valovich McLeod T**, Weber Rawlins ML [alum], et al. [Recommendations for medical discharge documentation and academic supports for university students recovering from concussion](#). J Head Trauma Rehabil. 2023;38(4):e299-e311.

Muller R, **Konecny LT**. [Patient perceptions of the readability and helpfulness of bilingual clinical forms: a survey study](#). BMC Med Educ. 2023;23:607.

Nasiry Khanlar L, Barmak AB, Oh Y, Mendha U, Yared S, Zandinejad A. [Marginal and internal discrepancies associated with carbon digital light synthesis additively manufactured interim crowns](#). J Prosthet Dent. 2023;130(1):108.e1-108.e6.

Ngatuvai M, Martinez B, Sauder M, Beeton G, Andrade R [student], Maka P, Smith CP, Kornblith L, Elkbuli A. [Traumatic brain injury, electrolyte levels, and associated outcomes: a systematic review](#). J Surg Res. 2023;289:106-115.

Ngatuvai M, Zagales I, Sauder M, Andrade R [student], Santos RG, Bilski T, Kornblith L, Elkbuli A. [Outcomes of transfusion with whole blood, component therapy, or both in adult civilian trauma patients: a systematic review and meta-analysis](#). J Surg Res. 2023;287:193-201.

Publications, continued

Osho A, Fernandes MF, Poudel R, de Lemos J, Hong H, Zhao J, ... Thomas K [adjunct], et al. [Race-based differences in ST-segment–elevation myocardial infarction process metrics and mortality from 2015 through 2021: an analysis of 178 062 patients from the American Heart Association Get With The Guidelines–Coronary Artery Disease Registry](#). *Circulation*. 2023;148(3):229-240.

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Peterson S [adjunct]. [How physical therapists became diagnosticians: an American history](#). *Phys Ther*. 2023;103(8):pzad049.

Peterson S [adjunct]. [How stories help us see ourselves: the power of storytelling by physical therapists](#). *Phys Ther*. 2023;103(7):pzad046.

Priyamvada S, **Akhtar S**. [Editorial: gut physiology—microbes and inflammatory diseases](#). *Front Physiol*. 2023;14:1254228.

Ramzan R [student], **Keane J**, **Goldstein LB**. [The effects of platelet rich plasma as a treatment modality for the “unhappy triad”—a multisystemic review](#). *Arch Med Case Rep Case Study*. 2023;7(3).

Ritter K [alum], Marshall AN [alum], Robinson K, Mistry DJ, Choe MC, **Valovich McLeod T**. [Concussion management among National Collegiate Athletic Association swim programs](#). *Int J Athl Ther Train*. 2023;28(4):194-198.

Romero-Reyes M, Arman S, Teruel A, **Kumar S**, Hawkins J, Akerman S. [Pharmacological management of orofacial pain](#). *Drugs*. 2023;83(14):1269-1292.

Schoenfuss ES [student]. [Treating acute migraine with ubrogepant](#). *JAAPA*. 2023;36(9):25-28.

Shah DA, Sharer R, Sall D, **Bay C**, Turner A, Bisk D, Peng W, Gifford B, Rosas J, Radhakrishnan P. [Racial, ethnic, and socioeconomic differences in primary care no-show risk with telemedicine during the COVID-19 pandemic](#). *J Gen Intern Med*. 2023;38(12):2734-2741.

Spolarich AE. [Sampling methods: a guide for researchers](#). *J Dent Hyg*. 2023;97(4):73-77.

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Villalobos-Tinoco J, Jurado CA, Sanchez-Hernandez RA, **Elgreatly A**, Alshabib A, Tsujimoto A. [Injectable flowable resin-based composite veneers prior to ceramic veneers](#). *Oper Dent*. 2023;48(4):351-357.

Publications, continued

Waggoner M [student]. [Polycythemia vera: thinking beyond the hematocrit](#). J Adv Pract Oncol. 2023;14(5):405-413.

Wasfie T, Buzadzhi A, Naisan M, Senger B [student], Memar S [student], Tangalos A, Hella J, Hood S, Barber K. [Can time to treatment reduce in-hospital mortality and morbidity among surgical and nonsurgical elderly patients with sepsis](#). Am Surg. 2023;89(7):3235-3237.

Weber Rawlins ML [alum], **Valovich McLeod TC**. [A mixed methods investigation into athletic trainer and dietitian's nutrition practices for sport-related concussion patients](#). J Concussion. 2023;2023:7.

Weemer M, Eberline A, Lee J, Kybartas T, Jones E. [A framework for implementing a district-wide school wellness needs assessment: using the WSCC model](#). Phys Educ. 2023;80(4).

Welch Bacon CE, Cabra NL [alum], Pennington TC [alum], Eberman LE, Cavallario JM. [Athletic trainers' perceptions of their scope of practice](#). Int J Athl Ther Train. 2023;28(5):269-274.

Williams C, Harris S, **Webb N**. [An educational intervention to address STIs among rural, Midwestern college students](#). Mo Nurse. Summer 2023:32-23.

Presentations and abstracts

Ames K [student], **Barragan B**, **Martinez-Nieto L**, Enciso-Vasquez M, Canlas-Baroli K. Do you see your bias? Accent perception in the healthcare system. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Ames K [student], Canlas-Bartoli K, Enciso-Vasquez M, **Martinez-Nieto L**, **Barragan B**. Accent bias and healthcare disparities: a call to action. Poster presented at: 2023 Arizona Health Equity Conference; September 21, 2023; Phoenix, AZ.

Diria K [alum], Peterson L, Palmieri PA [adjunct]. Unmitigated risks in hospital laboratories during COVID-19 pandemic: a phenomenological study. Presented at: 83rd Annual Meeting of the Academy of Management; August 4-8, 2023; Boston, MA.

Edmonds R [student], Girgis M [student], Edpuganti R [student], Chen D [student], Hillier E [student], Miller L [student], Nguyen A [student], Delavary D [student], Tovar K [student], Chbib M [student], **Chu S**, **Grady L**, Bhat S, Sastre J, **Lewis JH**. Addressing food insecurity by increasing knowledge of local food pantries at NYU Langone Family Health Centers. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Flores F [student], Hobbs I [student], Chang A [student], Hoffman R [student], Iwai Y [student], Marino F [student], McNeilis K [student], Rabahieh J [student], Schultz K [student], Tong W [student], **Shanahan C**, Broughton S, **Lewis JH**. Stress and resiliency strategies among health professions students. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Presentations and abstracts, continued

Guerrero O [student], Reji A [student], Hunter C [student], Monteilh C [student], Malone L [student], Delgado Rahim M [student], Wardle M [student], Cunningham S [student], **Polkey F, Lewis J**. Barriers to hypertension management in a CHC SMBP program. Presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Hardina E [student], Apellido K [student], Patel B [student], Akaba Q [student], Arredondo V [student], John J [student], King A [student], Mallery M [student], Trefsgar J [student], **Lewis JH**. Educating parents on pediatric asthma management. Presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Hernandez M [student], Ganjeh Y [student], Aldaas A [student], Ghaemi A [student], Howard Q [student], Huynh N [student], Kakos L [student], Kwak S [student], Magaña-Ceballos M [student], Rakha R [student], **Pieros J**, Poast J [RDME faculty], **Lewis JH**. Impact of the Salsita Nutritional Education Program on health habits in communities who may be at risk for obesity. Presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Hulsey B. Screening and diagnostic guidelines for peripheral artery disease in diabetics in primary care. Presented virtually at: Arizona State Association of Physician Assistants 2023 Fall Virtual CME Conference; September 9, 2023.

Iyer U [student], Seng A [student], Sajid H [student], Salcedo B [student], Molina PS [student], Guarneri B [student], Moza M [student], Oladinni L [student], **Stanford W, Lewis J**. Hypertension management in Chicago's FQHC population with patient education and SMBP: a quality improvement project. Presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Jain P. Dentistry, where we have come from and where we are headed. Presented at: 10th Annual David Mosimann Foundation Forum; September 7-10, 2023; Seattle, WA.

Johansen C [student], Nakum N [student], Nelson A [student], Bradley A [student], Berrios Y [student], Morrison L [student], Calinga A [student], Fuentes A [student], Yoon H [student], Downing D [student], Hirshman S [student], **Watts L, DeFontes D, Lewis JH**. Critical analysis of transition services program for management of opioid use disorder and its future improvements in Multnomah County. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Katz S [student], Cacal S [student], Dang G [student], Feng R [student], McGinnis M [student], Nielsen C [student], Pennino A [student], Rose B [student], Vo V [student]. Empowering West Oahu youth to invest in their mental health post-COVID-19. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Mendez L, Simon-Cereijido G, **Barragan B**. Un marco de referencia lingüístico y cultural para guiar el tratamiento de niño/as bilingües con TDL. Presented at: Il Congreso Hispanohablante sobre el Trastorno Específico del Desarrollo del Lenguaje (CHITEL); July 24-26, 2023; Bogotá, Colombia.

Nimako D, **Whisenant E, Appikatla S, Anderson E, Lewis JH**. Understanding clinician engagement in the patient scheduling process. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Presentations and abstracts, continued

Oesterle C, **Whisenant E**, **Appikatla S**, **Anderson E**, **Lewis JH**. Exploring clinician attitudes, knowledge, and practices related to contraceptive prescribing at a federally qualified health center in Arizona. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Parent-Buck T. Essentials of anatomy and pharmacology related to the audiovestibular system. Presented at: California Academy of Audiology 24th Annual Conference; September 28-30, 2023; San Jose, CA.

Park JH. Various applications of TADs and clear aligners in contemporary orthodontics. Presented at: 2023 College of Diplomates of the American Board of Orthodontics Annual Meeting; July 14-17, 2023; Coeur d'Alene, ID.

Reyes R [student], Puri N [student], Abusamra L [student], Miller S [student], Minafee T [student], Force W [student], Luu KS [student], Rivera J [student], Cao M [student], Mackey V [student], Florescu A [student]. The associations of ACE scores and chronic health outcomes among patients with chronic pain using behavioral health interventions. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Rios E [student], Benitez R [student], Bonilla C [student], Feygin D [student], Zavala E [student], Huang S [student], Huang R [student], Ijaz N [student], Delgado C [student], Nguyen K [student], **Lewis JH**, **Quezada C**. California's Central Valley physician shortage: an inside perspective. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Tang D [student], Mobayed O [student], Aboufadel S [student], Lee J [student], Nidhiry A [student], Okafor J [student], Laniyan A [student], Islam M [student], Batson N [student], Nguyen P [student], **Asaro R**, **Drummond L**, **Lewis J**. Culturally tailored diabetes nutrition education for Latino communities in Sunset Park. Presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Traylor DO [adjunct], **Anderson E**. Examining Braidwood: corporate rights vs public health—unraveling the tension. Poster presented at: 2023 Arizona Health Equity Conference; September 21, 2023; Phoenix, AZ.

Turner T, Ayala P, Christensen S, **Venkatesh M**. Preparedness of Arizona occupational, physical, and speech therapy practitioners for working with clients with Alzheimer's disease and related dementias. Poster presented at: Arizona Alzheimer's Consortium 2023 Annual Scientific Conference; September 11, 2023; Tempe, AZ.

Zembower M [student], Martorana A [student], Katta S [student], Sharif S [student], Chieng V [student], Briones EK [student], Ulger E [student], Xu G [student], Lingelbach M [student], Huynh HH [student], **Michaelis R**, **Sengchannavong A**, **Welsh S**, **Lewis JH**. The development of nutritional solutions for Pacific Islander populations with resource limitations. Poster presented at: 2023 Community Health Institute; August 27-29, 2023; San Diego, CA.

Sorry we missed you last time

- Beeton G, Ngatuvai M, Breeding T, Andrade R [student], Zagales R, Khan A, Santos R, Elkbuli A. [Outcomes of pigtail catheter placement versus chest tube placement in adult thoracic trauma patients: a systematic review and meta-analysis](#). *Am Surg*. 2023;89(6):2743-2754.
- Cavallario JM, Campbell BL, Jones BC [postdoctoral fellow], **Welch Bacon CE**. [Negotiation practices of athletic trainers employed in the clinical setting](#). *J Athl Train*. 2023;58(5):458-482.
- Dahl-Popolizio S**, Sauber TM, Mookadam M. [How occupational therapy can contribute to the primary care team and reduce physician burden](#). *Fam Pract Manag*. 2023;30(3):15-19.
- English CJ [student], Taylor Z [student], **Cramberg M, Young BA**. [Dynamic asymmetry in cerebrospinal fluid pressure: an indicator of regional differences in compliance](#). *Surg Neurol Int*. 2023;14:187.
- Farrell JN [student], **Stuart MK**. *Trichomonas tenax* displays chemotaxis in vitro. Poster presented at: ASM Microbe 2023; June 15-19, 2023; Houston, TX.
- Loguda-Summers D, Bright H**. The third dimension: supporting curriculum through 3D printing in your library. Presented at: Medical Library Association/Special Libraries Association 2023 Conference; May 16-19, 2023; Detroit, MI.
- Mundava M, Bright H**, Lipke L. Desired future in turbulent times: strategic planning on a dime! Presented at: Medical Library Association/Special Libraries Association 2023 Conference; May 16-19, 2023; Detroit, MI.
- Mundava M**, Soehner C. "Next gen" leadership in the 21st century. Presented at: Medical Library Association/Special Libraries Association 2023 Conference; May 16-19, 2023; Detroit, MI.
- Musawi A, Omar H, Allinson R**, Al-Wakeel H, Aubrey P, **Rahhal M**. [Interactive tutorial for enhancing removable partial design skills for second year dental students](#). *J Dent Educ*. 2023;87(suppl 1):884-887.
- Phillips PL**, Reyes L. *P. gingivalis* T9SS promotes dysregulation of vascular smooth muscle cell plasticity through perturbed TGF- β /SMAD signaling. Presented at: ASM Microbe 2023; June 15-19, 2023; Houston, TX.
- Weemer M**, Wodika A. [Social emotional learning and preservice teachers: assessing perceived knowledge, benefit, confidence, and competence](#). *J Res Pract Coll Teach*. 2023;8(1):74-91.
- Welch Bacon CE, Anderson BE**, Cavallario JM, Van Lunen BL, Eberman LE. [Content validation of the Athletic Training Milestones: a report from the Association for Athletic Training Education Research Network](#). *J Athl Train*. 2023;58(5):483-487.
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First Quarter FY2024 reports research activity for ATSU faculty, students, and staff for July-September 2023. Issues of *ATSU Research* are available on ATSU News, the University's e-news portal, under [ATSU Research News](#). Visit the [Department of Research Support](#) portal to learn more about the resources we provide for ATSU faculty researchers.