

ATSU Research

A newsletter produced by the Department of Research Support

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

*“The whole of science is nothing more than a refinement of everyday thinking.”
~Albert Einstein*

Publications

Ahmann A [student], McElroy T [student], Stratton N. [Inferior vena cava filter use in the setting of gastrointestinal blood loss, malignancy, and multiple thromboembolisms: a case report](#). Cureus. 2022;14(8):e28212.

Alam K, Pendlebury GA, Oro P [student], McAlister J 3rd, Hashmi T, Ijaz HM, Chaudhry A, Ergle K. [Application of aspiration-assisted percutaneous venous removal of right atrial thrombus in a critically ill patient: a case study and clinical management overview](#). Cureus. 2022;14(9):e28852.

Bachus V [adjunct], **Dishman L, Fick JW**. [Improving workforce experiences at United States federally qualified health centers: exploring the perceived impact of generational diversity on employee engagement](#). Patient Exp J. 2022;9(2):17-30.

Bader KB, **Makin IRS**, Abramowicz JS, Bioeffects Committee of the American Institute of Ultrasound Medicine. [Ultrasound for aesthetic applications: a review of biophysical mechanisms and safety](#). J Ultrasound Med. 2022;41(7):1597-1607.

Burgette B [alum], **Valovich McLeod TC**. [Quality improvement: implementation of individualized concussion patient education and rehabilitation treatment plans](#). Clin Pract Athl Train. 2022;5(2):52-60.

Burwell M [alum], DiSanti J [alum], **Valovich McLeod TC**. [Early sport specialization in college athletes and the impact on health-related quality of life: a critically appraised topic](#). J Sport Rehabil. 2022;31(5):645-650.

Choi B, **Park JH**, Halim IA [alum], Choi H [alum]. [An overlay arch for maxillary and mandibular transverse discrepancies](#). J Clin Orthod. 2022;56(8):447-457.

Cofran Z, **VanSickle C**, Valenzuela R, García-Martínez D, Walker CS, Hawks J, Zipfel B, Williams SA, Berger LR. [The immature *Homo naledi* ilium from the Lesedi Chamber, Rising Star Cave, South Africa](#). Am J Biol Anthropol. 2022;179(1):3-17.

Publications, continued

Elangovan S, **Perry M**, da Costa J, **Duong ML**, Frazier K, MacDonnel WA, Urquhart O. [Oral health care practice patterns for geriatric patients: an American Dental Association Clinical Evaluators Panel survey](#). J Am Dent Assoc. 2022;153(9):907-908.e2.

Fay D, Albrecht A, Settle L. [Commentary on “Pediatric Assessments for Preschool Children in Digital Physical Therapy Practice: Results from a Scoping Review.”](#) Pediatr Phys Ther. 2022;34(3):374.

Fellows JL, Atchison KA, **Chaffin J**, Chávez EM, Tinanoff N. [Oral health in America: implications for dental practice](#). J Am Dent Assoc. 2022;153(7):601-609.

Franke H, Franke JD, Fryer G [research affiliate]. [Effectiveness of osteopathic manipulative treatment for pediatric conditions: a systematic review](#). J Bodyw Mov Ther. 2022;31:113-133.

Hipple C, Obisesan O [adjunct]. [Technologists’ experience providing patient education in a pediatric setting](#). Radiol Technol. 2022;93(6):517-531.

Hovorka M, Ewing D, **Middlemas DS**. [Chronic SSRI treatment, but not norepinephrine reuptake inhibitor treatment, increases neurogenesis in juvenile rats](#). Int J Mol Sci. 2022;23(13):6919.

Howell SEI, Shukla C [alum], **Michaelis R**, **Motahari M**. [Interprofessional clinical training based in a federally qualified health center: a short report](#). J Interprof Care. 2022;36(4):626-629.

Jancaitis G [alum], **Snyder Valier AR**, **Bay C**. [A descriptive and comparative analysis of injuries reported in USA Cycling-sanctioned competitive road cycling events](#). Inj Epidemiol. 2022;9:22.

Kumar S. [How does the novel piezoelectric 11 Gracey Curette compare to Gracey Curette or piezoelectric scaler?](#) Evid Based Dent. 2022;23(3):108-109.

Lakhani M [student], Azim S, **Akhtar S**, **Ahmad Z**. [Inhibition of *Escherichia coli* ATP synthase and cell growth by dietary pomegranate phenolics](#). Int J Biol Macromol. 2022;213:195-209.

Lam KC, **Snyder Valier AR**, **Valovich McLeod TC**, Marshall AN [alum]. [Characterizing athletic healthcare: a perspective on methodological challenges, lessons learned, and paths forward](#). Front Sports Act Living. 2022;4:976513.

Laniado N, Wright ML [adjunct], Seymour B. [The use of dental radiographs for age estimation of unaccompanied migrant minors: scientific and ethical concerns](#). J Public Health Dent. 2022;82(3):349-351.

Marinovic DA [student], Hunter RL. [Examining the interrelationships between mindfulness-based interventions, depression, inflammation, and cancer survival](#). CA Cancer J Clin. 2022;72(5):490-502.

Marshall AN [alum], **Lam KC**. [Readability of the Disablement in the Physically Active scale in pediatric athletes: a preliminary investigation](#). Int J Athl Ther Train. 2022;27(4):199-202.

Mays KA, Burns LE, **Branch-Mays G**, Quock R. [Junior faculty perspectives on the academic environment: a call for development and onboarding](#). J Dent Educ. 2022;86(7):804-813.

Publications, continued

McGilvery W [student], Hasson C [student], Wongworawat MD, Witkos M. [Traumatic humeral diaphysis extrusion and replantation with periosteal involvement](#). J Med Cases. 2022;13(8):408-413.

McLean-Holden AC, Rooper LM, Lubin DJ, Magliocca KR, Manucha V, Sadow PM, Tobias J, **Vargo RJ**, Thompson LDR, Heidarian A, Weinreb I, Wenig B, Gagan J, Hernandez-Prera JC, Bishop JA. [Frankly invasive carcinoma ex-intraductal carcinoma: expanding on an emerging and perplexing concept in salivary gland tumor pathology](#). Head Neck Pathol. 2022;16(3):657-669.

Mehta SN, Burger ZC, Meyers-Pantele SA, Garfein RS, Ortiz DO, Mudhar PK [student], Kothari SB, Kothari J, Meka M, Rodwell T. [Knowledge, attitude, practices, and vaccine hesitancy among the Latinx community in Southern California early in the COVID-19 pandemic: cross-sectional study](#). JMIR Form Res. 2022;6(8):e38351.

Memar SA [student], Stahnke J, Bauer JK, Nelson R. [Luxatio erecta humeri after a ground-level fall in an elderly woman with a history of ipsilateral rotator cuff repair: a case report](#). Cureus. 2022;14(8):e27650.

Mishler O, Oh SL, **Matthews E**, Oates TW. [Senior dental students' perceptions of evidence-based dentistry](#). Eur J Dent Educ. 2022;26(3):623-628.

Modica C, **Bay C**, **Lewis JH**, Silva C. [Applying the Value Transformation Framework in federally qualified health centers to increase clinical measures performance](#). J Healthc Qual. 2022;44(4):185-193.

Moore H [adjunct], **Dishman L**, **Fick J**. [Employee turnover: why medical practices lose good employees](#). J Med Pract Manage. 2022;38(1):12-16.

Oh JH, **Park JH**, Cho HJ, Seo HY, Chae JM [visiting scholar]. [A CBCT evaluation of esthetic preference regarding the perceived facial attractiveness of young Korean female adults with a normal skeletal pattern](#). Sensors. 2022;22(19):7258.

Park JH. [Clinical considerations when treating impacted maxillary central incisors](#). Am J Orthod Dentofacial Orthop Clin Companion. 2022;2(4):309-310.

Park JH, Lee MY, Chang NY, Choi SK, Kang KH, Chae JM [visiting scholar]. [Orthodontic space management in first molar missing or unusual extraction patients](#). Am J Orthod Dentofacial Orthop Clin Companion. 2022;2(4):362-371.

Park JH, Lee Y, Mizutani K, Lee MY, Chae JM [visiting scholar]. [Class II division 1 adolescent treatment with twin block and fixed orthodontic appliances: 3-dimensional changes of the temporomandibular joint](#). J Clin Pediatr Dent. 2022;46(4):321-329.

Paster IC [student], Lin PD, Rifas-Shiman SL, Perng W, Chavarro JE, Oken E. [Association of total lifetime breastfeeding duration with midlife handgrip strength: findings from Project Viva](#). BMC Womens Health. 2022;22:306.

Peacock J, Benson MA, Greene NT, Tollin DJ, **Young BA**. [The acoustical effect of the neck frill of the frill-necked lizard \(*Chlamydosaurus kingii*\)](#). J Acoust Soc Am. 2022;152(1):437.

Publications, continued

Peterson S [adjunct], Rainey N, Weible K. [Who writes this stuff? Musculoskeletal information quality and authorship of popular health websites: a systematic review](#). *Musculoskelet Sci Pract*. 2022;60:102563.

Rabat SK [student], Manzoor U, Ijaz N, Aloysius MM. [A case report on an underappreciated cause of heart failure: chronic viral myocarditis](#). *Cureus*. 2022;14(7):e27253.

Rabat SK [student], Sridhar A, Makda A, Aloysius MM. [Fish hook as foreign body: not all foreign bodies can be fished out of the esophagus with endoscopy alone](#). *Cureus*. 2022;14(8):e28164.

Rashid S, ElSalhy M. [A cross-sectional study of dental students perception of dental faculty gender differences](#). *PLoS One*. 2022;17(7):e0271570.

Reick-Mitrisin V [student], Mukhtar K, Khan ZH. [Acute pancreatitis in a patient with recent history of SARS-CoV-2 infection](#). *Cureus*. 2022;14(9):e29032.

Reick-Mitrisin V [student], Reddy A, Shah BA. [A breast imaging case of steatocystoma multiplex: a rare condition involving multiple anatomic regions](#). *Cureus*. 2022;14(8):e27756.

Scanlan H, Coffman Z, Bettencourt J, **Shipley T**, Bramblett DE. [Herpes simplex virus 1 as an oncolytic viral therapy for refractory cancers](#). *Front Oncol*. 2022;12:940019.

Singh R, Wang K [student], Qureshi MB, Rangel IC, Brown NJ, Shahrestani S, Gottfried ON, Patel NP, Bydon M. [Robotics in neurosurgery: current prevalence and future directions](#). *Surg Neurol Int*. 2022;13:373.

Solano L [student]. [Seven facts you need to know about continuous glucose monitors](#). *JAAPA*. 2022;35(9):41-45.

Speer JE, Clapacs Z. [Creation of a novel biomedical engineering research course for incarcerated students](#). *Biomed Eng Educ*. 2022;2(2):157-165.

Thompson SP [alum], **Valovich McLeod T**. [Patient-reported outcomes following vestibular rehabilitation on concussion-induced vertigo: a critically appraised paper](#). *Int J Athl Ther Train*. 2022;27(5):220-222.

Weber Rawlins ML [alum], Johnson BR, Jones ER, Register-Mihalik JK, Foster C, De Angelis K, Schmidt JD, D'Lauro CJ. [The role of social support in concussion disclosure in United States Air Force Academy cadets: a mixed methods approach](#). *Mil Med*. 2022;187(9-10):e1193-e1200.

Welch Bacon CE, Cavallario JM, Walker SE [adjunct], **Bay RC**, Van Lunen BL. [Characteristics of patient encounters for athletic training students during clinical education: a report from the Association for Athletic Training Education Research Network](#). *J Athl Train*. 2022;57(7):640-649.

Wille AE [student], Pazdernik VK, Sassounian N [student], Glaser K. [Prevention of external auditory canal exostosis in the Colorado whitewater community](#). *J Osteopath Med*. 2022;122(8):431-437.

Young BA, **Cramberg MJ**. [Treadmill locomotion in the American alligator \(*Alligator mississippiensis*\) produces dynamic changes in intracranial cerebrospinal fluid pressure](#). *Sci Rep*. 2022;12:11826.

Presentations and abstracts

Duong M. The use of social-emotional learning tool in special care dental education. Presented at: 26th Annual Congress of the International Association of Disability and Oral Health; August 24-26, 2022; Paris, France.

Grinshpun L [student], Abiezzi C [student], Carson A [student], Dagstanyan V [student], Edwards S [student], Harrelson K [student], Ho A [student], Lee A [student], Ong K [student], Phan V [student], Webster M [student], Willis T [student], Poast J, Pieros J, Ritter S, Whelihan K, **Lewis JH.** Mindfulness-based interventions in addressing negative health outcomes related to adverse childhood experiences. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Havard M [student], Ayub I [student], Cubillo C [student], Hughes G [student], Jackson C [student], Lundeen T [student], Perez D [student], Srivastava S [student], Valadez R [student], Wang K [student], **Meek B, Sivakoff M,** Whelihan K, **Lewis JH.** COVID-19 vaccine hesitancy amongst adult patients at Adelante Healthcare in Maricopa County, AZ. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Holbert R, Traylor DO [adjunct], Thompson-Robinson M, Adlam J. Identifying factors associated with willingness to take PrEP or PEP for HIV prevention among African Americans in Nevada. Presented at: Nevada Public Health Association Annual Conference; September 13-14, 2022; Las Vegas, NV.

Jalil S [student], Paster I [student], Saunders B [student], Balli N [student], Barra K [student], Hemzawi S [student], Samaniego A [student], Ishii-Chaves H [student], Hibbs E [student], Garcia R, **Wagner R,** Whelihan K, **Lewis JH.** Misinformation nation: examining COVID-19 vaccine hesitancy and misinformation among parents of pediatric patients. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Lao A [student], Wang J [student], Dinh D [student], Kasprzak V [student], Kaur R [student], Kuntz M [student], Mendoza V [student], Muppala N [student], Patel S [student], Salti H [student], **Sengchannavong A, Michaelis R,** Whelihan K, **Lewis JH.** Health education video development: improving health literacy in Afghan refugees to better navigate the US pharmacy system. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Lau A [student], Alfaro S [student], Tran B [student], Muwanes J [student], **Jimenez A.** Determining average height and weight for the Mixteco-speaking pediatric population at the Community Healthcare Centers of the Central Coast. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Loguda-Summers D, Carroll J, Johnson C [student]. 3D Printing in curriculum and research: create, engage, and empower—seven years later! Poster presented at: 2022 Missouri Library Association Annual Conference; September 28-30, 2022; Springfield, MO.

Schildt M, **Whisenant E, Appikatla S, Anderson E, Lewis JH.** Exploring the impact of EHR optimization on clinician well-being. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Presentations and abstracts, continued

Silva H, Eschbach C [student], Stayton M [student]. ATSU-MOSDOH Smiles for Veterans program. Poster presented at: National Association of Community Health Centers 2022 Community Health Institute; August 28-30, 2022; Chicago, IL.

Spolarich AE. Clinical pearls for managing the medicated medically complex patient. Presented at: California Dental Association Art and Science of Dentistry Convention; September 8-10, 2022; San Francisco, CA.

Spolarich AE. Have a heart: practical advice for caring for patients with heart disease. Presented at: California Dental Association Art and Science of Dentistry Convention; September 8-10, 2022; San Francisco, CA.

Spolarich AE. Pharmacologic management of the geriatric patient: practical advice and current considerations. Presented at: California Dental Association Art and Science of Dentistry Convention; September 8-10, 2022; San Francisco, CA.

Spolarich AE. Putting the mouth back in the body: how oral health affects whole patient care. Presented virtually at: Idaho Oral Health Alliance Aging Well: Connections Between Oral and Systemic Health Across the Lifespan; September 20, 2022.

Spolarich AE. Risk and benefits of dietary supplement use. Presented at: California Dental Association Art and Science of Dentistry Convention; September 8-10, 2022; San Francisco, CA.

Stuart MK. A take-home immunology wet lab exercise. Poster presented at: Association of Medical School Microbiology and Immunology Chairs 18th Microbiology and Immunology Educational Strategies Workshop; July 18-21, 2022; Clearwater Beach, FL.

Ward M, **Spolarich AE**. 6-Month smiles: stage I/II periodontitis protocols for patient improvement. Presented at: International Symposium on Dental Hygiene 2022; August 11-13, 2022; Dublin, Ireland.

Weber Rawlins ML [alum], **Valovich McLeod TC**, Schmidt JD. Case characterization and perceptions of athletic trainers regarding medical disqualification following concussion. Presented at: 2022 Joint Conference on Brain Injury; September 21-24, 2022; New York, NY.

Wolf R, Bonsall A, Saffer A. Experiential education in advocacy for occupational therapy practitioners and students. Presented virtually at: American Occupational Therapy Association 2022 Fall Academic Leadership Council Meeting; September 28-30, 2022.

Sorry we missed you last time

Conner J, Lofton J, Thielen C, Huff-Davis A, Ferdinand A, **McNatt MK**, Mata J. Combating obesity and chronic disease in rural America. Presented at: National Rural Health Association 45th Annual Rural Health Conference; May 10-13, 2022; Albuquerque, NM.

Elmshiti H, Ness G, Prevedello L. Evaluation of submandibular infections using 3-dimensional reconstruction of computed tomography images. Presented virtually at: 100th General Session of the International Association for Dental Research/5th Meeting of the Asia Pacific Region; June 20-25, 2022.

Giovannelli P, **Ramaraj P**, Williams C. [Editorial: role of sex steroids and their receptor in cancers](#). Front Endocrinol (Lausanne). 2022;13:883229.

Hoover EB, Butaney B, **Bernard K**, Coplan B, LeLacheur S, Straker H, Carr C, Blesse-Hampton L, Naidu A, LaRue A. [Comparing the effectiveness of virtual and in-person delivery of mindfulness-based skills within healthcare curriculums](#). Med Sci Educ. 2022;32(3):627-640.

Kassisieh S [adjunct], Bodioga N, Gousman J. [Space closure for congenitally missing lower second premolars using temporary anchorage devices](#). J Clin Orthod. 2022;56(5):268-284.

Laguerre E [student], Matthews T [adjunct]. [Association between nutrition behavior and colorectal cancer diet recommendation](#). J Cancer Prev. 2022;27(2):79-88.

Lam KC, **Anderson BE**, **Welch Bacon CE**. [The critical need for advanced training in electronic records use: implications for clinical practice, education, and the advancement of athletic training](#). J Athl Train. 2022;57(6):599-605.

McNatt MK, **Thomas S**, **Presley M**. Climate change inequities among rural American Indian communities. Presented at: National Rural Health Association 45th Annual Rural Health Conference; May 10-13, 2022; Albuquerque, NM.

Park JH, Lee GH, Moon DN, Yun KD, Kim JC, Lee KC. [Creation of digital virtual patient by integrating CBCT, intraoral scan, 3D facial scan: an approach to methodology for integration accuracy](#). J Craniofac Surg. 2022;33(4):e396-e398.

Pendlebury GA, Oro P [student], Haynes W [student], Merideth D [student], Bartling S, Bongiorno MA. [The impact of COVID-19 pandemic on dermatological conditions: a novel, comprehensive review](#). Dermatopathology (Basel). 2022;9(3):212-243.

Picha KJ, **Welch Bacon CE**, **Normore C**, **Snyder Valier AR**. [Social determinants of health: considerations for athletic health care](#). J Athl Train. 2022;57(6):521-531.

Probst JC, **McNatt MK**. Geographic and ethnic disparities among US border residents. Presented at: National Rural Health Association 45th Annual Rural Health Conference; May 10-13, 2022; Albuquerque, NM.

Sorry we missed you last time, continued

Rashid S, Hendren J, Elgendy H, Oak E, Shahinian C, Gabriel A, ElSalhy M. [Impact of brushing with charcoal on tooth color and enamel loss: an in vitro study](#). Am J Dent. 2022;35(2):133-136.

Vogel S, Zegarra-Parodi R [research affiliate]. [Relevance of historical osteopathic principles and practices in contemporary care: another perspective from traditional/complementary and alternative medicine](#). Int J Osteopath Med. 2022;44:1-2.

First Quarter FY2023 reports research activity for ATSU faculty, students, and staff for July-September 2022. 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.