

# ATSU Research

A newsletter produced by the Department of Research Support

Image (nerve fibers near a putative muscle spindle) courtesy of Dr. Keith Elmslie and Dr. Ranuka Ramachandra

*“Research means that you don’t know, but are willing to find out.”  
~Charles F. Kettering*

## Publications

Adekunle T, Mbonu CB, Ogunjimi A, Alade A, Awotoye W, Kikuni M, Owoeye O, **Adekugbe O**. [Baseline assessment of oral health needs among underserved populations in the United States](#). J Glob Oral Health. 2023;6(1):38-42.

Alfaro S [student], Sen-Crowe B, Autrey C, Elkbuli A. [Trends in carbon monoxide poisoning deaths in high frequency hurricane states from 2014-19: the need for prevention intervention strategies](#). J Public Health (Oxf). 2023;45(2):e250-e259.

Bonsall A, **Wolf RL**, Saffer A. [Experiential education in advocacy for occupational therapy students: didactic approaches and learning outcomes](#). J Occup Ther Educ. 2023;7(2):7.

**Canterbury CR**, Stanbouly D, Trinh K, Clark MS, Philipone E. [Sclerosing odontogenic carcinoma: report of a case and review of the literature](#). Head Neck Pathol. 2023;17(2):562-570.

Cavallario JM, Van Lunen BL, Walker SE, **Bay RC**, **Welch Bacon CE**. [Implementation of patient-centered care by athletic training students during clinical experiences: a report from the Association of Athletic Training Education Research Network](#). Int J Environ Res Public Health. 2023;20(8):5513.

Cavallario JM, Van Lunen BL, Walker SE, **Bay RC**, **Welch Bacon CE**. [Influence of gender in preceptor-student dyads on student performance in clinical education: a report from the AATE Research Network](#). J Allied Health. 2023;52(2):113-119.

**Chamberlain NR**, **Sexton PS**, Hardee MR, **Baer RW**. [Medical students’ diagnostic accuracy and treatment plans](#). Mo Med. 2023;120(2):143-150.

Concepcion J [student], Alfaro S [student], Yeager M, Newsome K, Selvakumar S, Andrade R [student], Kornblith L, Bilski T, Ibrahim J, Elkbuli A. [Analysis of biomechanics of motor vehicle collisions for passenger cars: implications for passenger vehicle safety and future car design innovations](#). J Surg Res. 2023;285:243-251.

## Publications, continued

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- Conley Q, Sadauskas J, Christopherson R, Lin L, Ilgaz H, Seto C, Kula I, Dalal M, Atkinson RK. [Facebook usage patterns looking into the mind via the ICAP engagement framework](#). Behav Inf Technol. 2023;42(5):514-526.
- Davis GA, Echemendia RJ, Ahmed OH, Anderson V, Blauwet C, Brett BL, ... **Valovich McLeod TC**, et al. [Child SCAT6](#). Br J Sports Med. 2023;57(11):636-647.
- Davis GA, Echemendia RJ, Ahmed OH, Anderson V, Blauwet C, Brett BL, ... **Valovich McLeod TC**, et al. [Introducing the Child Sport Concussion Assessment Tool 6 \(Child SCAT 6\)](#). Br J Sports Med. 2023;57(11):632-635.
- Echemendia RJ, Brett BL, Broglio S, Davis GA, Giza CC, Guskiewicz KM, ... **Valovich McLeod TC**, et al. [Introducing the Sport Concussion Assessment Tool 6 \(SCAT6\)](#). Br J Sports Med. 2023;57(11):619-621.
- Echemendia RJ, Burma JS, Bruce JM, Davis GA, Giza CC, Guskiewicz KM, ... **Valovich McLeod TC**, et al. [Acute evaluation of sport-related concussion and implications for the Sport Concussion Assessment Tool \(SCAT6\) for adults, adolescents and children: a systematic review](#). Br J Sports Med. 2023;57(11):722-735.
- English CJ [student], Sodade OE, Austin CL, Hall JL, Draper BB. [Management of enteroatmospheric fistula \(EAF\) using a fistula-vacuum assisted closure \(VAC\) in a complicated abdominal trauma case](#). Cureus. 2023;15(4):e37668.
- Garadat SN**. [Development and beta testing of a serious game-based auditory training application to enhance perceptual learning of speech in cochlear implant recipients](#). Am J Audiol. 2023;32(2):261-273.
- Gibson AR, Horn KM, **Pong M**. [Nucleus reticularis tegmenti pontis: a bridge between the basal ganglia and cerebellum for movement control](#). Exp Brain Res. 2023;241(5):1271-1287.
- Gobin C, Inkabi S [student], Lattimore CC, Gu T, Menefee JN, Rodriguez M, Kates H, Fields C, Bian T, Silver N, Xing C, Yates C, Renne R, Xie M, Fredenburg KM. [Investigating miR-9 as a mediator in laryngeal cancer health disparities](#). Front Oncol. 2023;13:1096882.
- Godfrey K [alum], DiSanti J [alum], **Valovich McLeod TC**. [Burnout in sport specializers versus samplers: an evidence-to-practice review](#). Clin Pract Athl Train. 2023;6(1):55-60.
- Greer S [student], **Cramberg M, Young BA**. [Morphology of the distal tip of the spinal cord in \*Alligator mississippiensis\*](#). Anat Rec (Hoboken). 2023;306(4):889-904.
- Guarneri B [student], Morrison L [student], Martorana A [student], Gujral I [student], Harris L. [Return to play rate and performance following surgical repair of athletic pubalgia in major league soccer players: a retrospective case-control study](#). Cureus. 2023;15(4):e38023.
- Hamstra-Wright KL, **Huxel Bliven KC**, Coumbe-Lilley JE, Djelovic E, Patel J. [The relationship between eating disorders, disordered eating, and injury in athletes: a critically appraised topic](#). J Sport Rehabil. 2023;32(4):474-481.
- Haribabu PK**, Verma M, **Vij A**. [Model-assisted marsupialization of a large odontogenic keratocyst in the maxillofacial region using a multicolored 3D-printed model: a novel approach in surgical planning and teaching](#). Clin Case Rep. 2023;11(5):e7286.
- Harris NA**, Odai ML. [The role of Title 1 secondary school athletic trainers in the primary and patient-centered care of low socioeconomic adolescents](#). Int J Environ Res Public Health. 2023;20(7):5411.

## **Publications, continued**

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Hassoun MR, Kudlapur NT, Chen GM [student], Green-Ross J, Patel A. [Should rapid antigen tests be first-line for COVID-19 testing? Results of a prospective urban cohort study.](#) BMC Infect Dis. 2023;23:243.

Hattrup N [alum], Pfeifer N, **Valovich McLeod TC.** [Concussion clinical pathway: headache and cervical assessment framework.](#) Clin Pract Athl Train. 2023;6(1):73-79.

Hutzley S [student], Ruden E [student], Vanden Bosch K [student], Schubert B [student], **Markand S.** [Morphometric analysis of pyramidalis muscle in Midwestern Americans: a cadaveric approach.](#) Mo Med. 2023;120(2):139-142.

Hwang R [student], Park YJ, Olandinni D [student], Daguio K [student], Nguyen ATA [student], Nguyen KC [student], **Keane JF, Goldstein LB.** [Improving the efficacy of the medication assisted treatment with eye movement desensitization and reprocessing \(EMDR\) and osteopathic manipulative treatment \(OMT\).](#) Arch Med Case Rep Case Study. 2023;7(1):167.

Joo MC, Bayome M, Kang SJ, Ham LK, Lee NK, **Park JH,** Kook YA. [Evaluation of modified C-palatal plates on speech articulation using acoustic analysis.](#) Orthod Craniofac Res. 2023;26(2):277-284.

Kelly B, Manes T [student], Main C. [Bilateral failure of oxidized zirconium implants in total knee arthroplasty.](#) Arthroplast Today. 2023;21:101144.

**Kochanoff KD.** [Piecing together the subtle clues of common variable immunodeficiency.](#) JAAPA. 2023;36(6):23-26.

**Kumar S.** [Is there any association between genetically predicted periodontitis and ischemic stroke?](#) Evid Based Dent. 2023;24(2):66-68.

Liaw JLL, **Park JH.** [Authors' response.](#) Am J Orthod Dentofacial Orthop Clin Companion. 2023;3(3):200.

Liaw JLL, **Park JH,** Lu CC, Chou TI, Shih IYH. [Skeletal anchorage-assisted interdisciplinary full-mouth rehabilitation of mutilated dentition with a canted occlusal plane and insufficient occlusal clearance.](#) Am J Orthod Dentofacial Orthop Clin Companion. 2023;3(3):268-282.

Love AN [student], Nasser GA, Yost C [student]. [A not so common iliac vein anomaly: a case report.](#) Cureus. 2023;15(4):e38145.

**Martinez-Nieto L,** Moen T, Pierce M, Restrepo MA. [The use of mazes over time in Spanish heritage speakers in the US.](#) Front Psychol. 2023;14:1125131.

Mayer EA, Ryu HJ [student], Bhatt RR. [The neurobiology of irritable bowel syndrome.](#) Mol Psychiatry. 2023;28:1451-1465.

Megafu MN [student], Megafu EC, Nguyen JT, Mian HS, Singhal SS, Parisien RL. [The statistical fragility of orbital fractures: a systematic review of randomized controlled trials.](#) J Oral Maxillofac Surg. 2023;81(6):752-758.

Memmini AK, Popovich MJ, Schuyten KH, Herring SA, Scott KL, Clugston JR, ... **Valovich McLeod T,** Weber Rawlins ML [alum], et al. [Achieving consensus through a modified Delphi technique to create the post-concussion collegiate return-to-learn protocol.](#) Sports Med. 2023;53(4):903-916.

Milius C [student], Jepson L [student], Maclaskey D [student], Pazdernik V, **Kondrashova T.** [Development of hands-on skills in diagnostics of lung diseases using ultrasonography in undergraduate medical education.](#) Mo Med. 2023;120(2):128-133.

## **Publications, continued**

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Millet NJ, **Snyder Valier AR**, Eberman LE, Rivera MJ, Winkelmann ZK. [The knowledge and use of the International Classification of Functioning, Disability and Health \(ICF\) framework in athletic training.](#) Int J Environ Res Public Health. 2023;20(7):5401.

**Nasiry Khanlar L**, Revilla-León M, Barmak AB, Ikeda M, Alsandi Q, Tagami J, Zandinejad A. [Surface roughness and shear bond strength to composite resin of additively manufactured interim restorative material with different printing orientations.](#) J Prosthet Dent. 2023;129(5):788-795.

Oladinni D [student], Daguio K [student], Hwang R [student], **Keane JF**, **Goldstein L**. [Pain management in sickle cell disease.](#) Pract Pain Manag. 2023;23(3).

Oliveira AG, Rocha RS, Spinola MS, **Batista GR**, Bresciani E, Caneppele TMF. [Surface smoothness of resin composites after polishing: a systematic review and network meta-analysis of in vitro studies.](#) Eur J Oral Sci. 2023;131(2):e12921.

Ono T, Pangrazio-Kulbersh V, Perillo L, Artese F, Czochrowska E, Darendeliler MA, ... **Park JH**, et al. [World Federation of Orthodontists guidelines for postgraduate orthodontic education.](#) J World Fed Orthod. 2023;12(2):41-49.

Osuka Y, Takeshima N, Kojima N, Kohama T, Fujita E, Kusunoki M, Imai A, Kitabayashi Y, **Brechue WF**, Sasai H. [Qualitative assessment of standing motion with kinect™ is a useful additional diagnostic marker for sarcopenia.](#) Arch Gerontol Geriatr. 2023;108:104915.

**Park JH**. [Using clear aligners to treat growing patients with Class II malocclusion with mandibular advancement.](#) Am J Orthod Dentofacial Orthop Clin Companion. 2023;3(2):75-76.

Peterson S [adjunct], Heick J. [Referral decision-making and care continuity in physical therapist practice.](#) Phys Ther. 2023;103(5):pzad030.

**Picha KJ**, Mills K [alum]. [Occupational therapists assessment of client self-efficacy for home exercise programs: a short report.](#) Musculoskeletal Care. 2023;21(2):556-561.

**Picha KJ**, **Welch Bacon CE**, **Bay RC**, **Lewis JH**, **Snyder Valier AR**. [Athletic trainers' perceptions of and experience with social determinants of health.](#) Int J Environ Res Public Health. 2023;20(8):5602.

Radcliffe-Henry E, Obisesan O [adjunct]. [The role of mentoring in recruiting and retaining minority physician assistant faculty.](#) J Physician Assist Educ. 2023;34(2):110-115.

Sarwar S, Ashraf S, Shafiq M, Malik A, **Akhtar S**, Arshad R, Jamil M, Gul H, Ullah N. [SEC24D gene as a biomarker in human cancers and its association with CD8+ T cell immune cell infiltration.](#) Am J Transl Res. 2023;15(5):3115-3130.

Schuh W [alum]. [College student preferences of telepsychiatry.](#) J Am Coll Health. 2023;71(3):798-805.

Schweitzer AJ, Rivera MJ, **Welch Bacon CE**, Eberman LE. [Preparedness of doctor of athletic training \(DAT\) credentialed athletic trainers to take roles in academia.](#) Internet J Allied Health Sci Pract. 2023;21(2):13.

Seo YJ, **Park JH**, Chang NY, Chae JM [visiting scholar]. [Non-surgical camouflage treatment of a skeletal Class III patient with anterior open bite and asymmetry using orthodontic miniscrews and intermaxillary elastics.](#) Appl Sci. 2023;13(7):4535.

**Skinner K**, Billingsly D, **Conley Q**. [Student perceptions of learning clinical masking in audiology: an exploratory survey study.](#) Am J Audiol. 2023;32(2):453-463.

## **Publications, continued**

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Tomkus GC [alum], Matthews T [adjunct]. [Anxiety among correctional/detention health professionals and associated risk factors during the coronavirus disease 2019 pandemic](#). J Correct Health Care. 2023;29(3):206-213.

Vaccaro CJ [student], Zaidi SMH, Iskander PA, **McFadden E**. [A case of dulaglutide-induced vaginal bleed](#). Cureus. 2023;15(5):e38774.

Veteto A [alum], McIntyre M [alum], Hintz M [alum], **Cramberg M, Kondrashov P**. [Histological structure of the medial and lateral patellofemoral ligaments and implications for reconstructive surgery and anterior knee pain](#). Mo Med. 2023;120(2):134-138.

Weber Rawlins ML [alum], **Valovich McLeod TC**. [Concussion education perceptions among secondary school athletic trainers](#). Brain Inj. 2023;37(6):468-477.

Williams BC, Hayer R, Henderson DD, Johnson EL, Kulkarni-Date M, Tang JW, **Whisenant EB**, Kirley K, American Medical Association Accelerating Change in Medical Education Chronic Disease Prevention and Management, H&P 360 Working Group. [A 7-domain framework that can bridge clinical care, health systems science, and health equity: lessons from the H&P 360](#). Acad Med. 2023;98(6):664-671.

**Wilson M**. [Preserving the history and future of osteopathic medicine](#). Mo Med. 2023;120(2):111-113.

Yost C [student], Vercillo D, Abuqare A, Yost MB [student], Love AN [student]. [Pleural and pericardial effusion with COVID-19 and systemic lupus erythematosus and its recurrence: a case study](#). Cureus. 2023;15(4):e37988.

**Zarrough AE**, Hasturk H, Stephens DN, Van Dyke TE, Kantarci A. [Resolvin D1 modulates periodontal ligament fibroblast function](#). J Periodontol. 2023;94(5):683-693.

Zhang Z, Kalra H, Delzell MC [student], Jedlicka CR, Vasilyev M, Vasileva A, Tomasson MH, Bates ML. [CORP: sources and degrees of variability in whole animal intermittent hypoxia experiments](#). J Appl Physiol (1985). 2023;134(5):1207-1215.

Zubair HM, Khan MA, Gulzar F, Alkholief M, Malik A, **Akhtar S**, Sharif A, Akhtar MF, Abbas M. [Patient perspectives and side-effects experience on chemotherapy of non-small cell lung cancer: a qualitative study](#). Cancer Manag Res. 2023;15:449-460.

## Presentations and abstracts

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Andrews M, **Bradbury M**, Linsenmeyer M, McClain E. Overcoming challenges in publishing in the health science education literature. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

**Barragan B**. Motor activation for second-language word recognition. Presented at: 21st International Conference on Perception and Action; June 27-30, 2023; Guadalajara, Mexico.

Barreiro T, Gustowski S, Lowery J, Tartaglia M, **Weaver C**. Educating today's osteopathic medical student: who's on first? Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Bernard K [adjunct], **Derr J**, Hoove E, McMoon M [adjunct], Gottschalk M [adjunct], Moore SJ [adjunct], Lipke L. The contribution of post-professional doctoral degrees to the career development of healthcare workers: a scoping review. Presented at: American Academy of Physician Assistants 2023 Conference; May 20-24, 2023; Nashville, TN.

Bowen S, **Wolf R**. Developing advocacy knowledge and skills in occupational therapy students and practitioners. Presented at: American Occupational Therapy Association INSPIRE 2023 Annual Conference; April 20-23, 2023; Kansas City, MO.

**Bright H**, Fitterling L, Montgomery M. Textbooks and exam prep resource trends in academic health sciences libraries serving college of osteopathic medicine programs. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Bruder A, **Sexton P**, Tvito L. Humanism in healthcare: harnessing the aligned values of osteopathic medicine and Arnold P. Gold Foundation. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

**Burch A**, **Salas-Provance M**, Kuamo'o A. Higher education leaders' framing of organization decisions during COVID-19. Poster presented virtually at: 2023 World Physiotherapy Congress; June 2-4, 2023; Dubai, UAE.

Castaneda A [student], Nguyen N [student], Saad M [student]. Community-centered approach to educating mothers on health-related topics. Poster presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

**Chamberlain NR**. Using practice questions to improve mean exam grades in an infectious disease course. Poster presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Cunningham S [alum], Penning J [alum], Barboza S [alum], Tonks T [alum], Hansen B [alum], Varnell V [alum], **Wolf R**. Breastfeeding among working mothers: a systematic review. Poster presented at: American Occupational Therapy Association INSPIRE 2023 Annual Conference; April 20-23, 2023; Kansas City, MO.

Detwiler KR [alum], **Welch Bacon CE**, White I, Jones L, Cavallario JM. Negotiating salary among athletic trainers: experiences of negotiators and non-negotiators. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S82.

Donahue BC [alum], Cavallario JM, Pike Lacy AM, **Welch Bacon CE**. Athletic training students' experiences with translating knowledge from classroom to clinical practice. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S309.

## Presentations and abstracts, continued

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**Doublestein D**, Armer J, Koehler L, Anderson E, Scheiman N, Stewart P, Schaverien M. A core outcome set for breast cancer-related lymphedema: a Delphi consensus study. Presented at: 11th International Lymphoedema Framework Conference; June 13-15, 2023; Nottingham, England.

Duncan CT [alum], **Snyder Valier AR**. Ensuring the use of best-practices for hand hygiene in an athletic training healthcare system: a quality improvement project. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S79.

Fagan AN [alum], Van Lunen BL, Eberman LE, Cavallario JM, Wetherington JJ [adjunct], Pecha FQ, **Welch Bacon CE**. Athletic trainers' experiences with orthopaedic residency training. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S308.

Foster R [student], Troyer E [student], Mehmert R [student], Jones J [student], **Wang YF, Kondrashov P**. Factors that influence the choice of medical school for matriculation by premedical students. Poster presented at: 27th Annual Conference of the International Association of Medical Science Educators; June 10-13, 2023; Cancun, Mexico. *Award nominee*

Freiburger RL [alum], **Picha KJ, Snyder Valier AR**. Implementation of a social determinants of health screening tool into rural family medical clinics. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S288.

Gimpel JR, **LaBaere RJ II**. NBOME update: building momentum for the value of osteopathically distinctive assessment. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

**Hernandez A**, Cortes D, Jurado C, Kaleinikova Z, Lee DJ, Donato M. Fracture resistance of CAD/CAM molar crowns fabricated with different lithium-disilicate. Presented at: 101st General Session of the International Association for Dental Research; June 21-24, 2023; Bogotá, Colombia.

**Hernandez A**, Cortes D, Jurado C, Kaleinikova Z, Lee DJ, Donato M. Fracture resistance of chairside CAD/CAM molar crowns fabricated with different lithium disilicate ceramic materials. Poster presented at: Carl O. Boucher Prosthodontic Conference; April 28, 2023; Columbus, OH.

Jones BC [postdoctoral fellow], **Welch Bacon CE, Bay RC**, Van Lunen BL, Cavallario JM. Examining athletic training students' knowledge of the social determinants of health and their perceptions of the influence of the social determinants of health on patient cases. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S142-S143.

Kasamatsu TM, **Welch Bacon CE, Bay RC**, Nottingham SL. Effectiveness of a personalized online learning experience to improve knowledge of clinical documentation. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S303.

**LaBaere RJ II, Snider KT**. Facilitating OPP integration across UME and GME through implementation of a national center. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

**Lam KC**. Using patient care data to demonstrate the value and worth of the athletic trainer. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN.

## Presentations and abstracts, continued

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Law H [student], **Mehta Z**. Not all cases of dizziness and tinnitus are Ménière's disease: a need for physician education. Poster presented at: American Academy of Audiology 2023 Conference; April 19-22, 2023; Seattle, WA.

Lepley KK, **Lam KC**. NATA Foundation grant writing workshop: strategies and best practices. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN.

Machado C, **Hernandez A**, Matos AO, Pacheco RR, Sanchez E. Face-perception awareness by dental students during COVID-19 mask mandate. Presented at: 101st General Session of the International Association for Dental Research; June 21-24, 2023; Bogotá, Colombia.

Manansala J [student]. Addressing barriers to osteopathic medical students obtaining research experience. Poster presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Marshall KA [alum], Chimera NJ, **Valovich McLeod TC**. Influence of sport specialization on quality of life, physical literacy, and injury history in youth hockey players. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S251.

Matthews E, McGinty-Jimenez T, Moeller M, **O'Brien A**, Schriener JD, Shotwell K. How admissions offices operationalize holistic review. Presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

McCarthy M, Sigmon T, Marshall AN [alum], **Lam KC**, Koldenhoven RM. Injury and treatment characteristics of middle school-aged patients under the care of athletic trainers from 2010-2022: a report from the Athletic Training Practice-Based Research Network. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S73.

Ndzi E [alum]. A phenomenological study of how health administrators at federally qualified health centers manage the services delivered to immigrant populations. Poster presented at: 22nd Annual New England Science Symposium; April 2, 2023; Boston, MA.

Nelson A [student], **Tshuma L**. Often overlooked ingredients in opioid overdose prevention education. Poster presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Nottingham SL, Kasamatsu TM, Cavallario JM, **Welch Bacon CE**. Athletic trainers' perceptions of different continuing education formats for learning clinical documentation. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S302.

**Park JH**. Clinical applications of TADs in challenging deep overbite cases. Presented at: American Association of Orthodontists 2023 Annual Session; April 21-24, 2023; Chicago, IL.

**Patel S**. Compliance with fluoride therapy and caries rate in cancer. Presented at: Special Care Dentistry Association 35th Annual Meeting; April 27-29, 2023; Dallas, TX.

**Picha KJ**, Windsor Evans CM [alum], **Snyder Valier AR**, **Lewis JH**, **Welch Bacon CE**. Mitigating social determinants of health in athletic healthcare: athletic trainers are taking action. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: J Athl Train. 2023;58(suppl 6):S144-S145.



## Presentations and abstracts, continued

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Pierce JL [alum], **Lam KC**. Injury and treatment characteristics of patients with low back pain receiving care from athletic trainers: a report from the Athletic Training Practice-Based Research Network. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S205-S206.

Pollock J [adjunct]. PMS and exercise: managing training and recovery to boost quality of life. Presented virtually at: American Council on Exercise Health and Fitness Summit; May 19, 2023.

Rizza KM, Young JP, Rivera MJ, Winkelmann ZK, **Welch Bacon CE**, Eberman LE. Exploring faculty perceptions of competence regarding the 2020 CAATE Curricular Content Standards. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S38-S39.

Roberts J, Halstead ME, Miller SM, Santana JA, **Valovich McLeod TC**, Wilson JC, Howell DR. Predictors of lost academic time following concussion: the Sport Concussion Outcomes in Pediatrics (SCOPE) study. Presented at: American Medical Society for Sports Medicine 32nd Annual Meeting; April 28-May 3, 2023; Phoenix, AZ.

Rodriguez RR [alum], **Lam KC**. Epidemiology of patients with shoulder dislocations presenting to emergency departments in the United States, 2007-2020. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S75.

**Spolarich AE**. Medication for addiction treatment. Presented at: Special Care Dentistry Association 35th Annual Meeting; April 27-29, 2023; Dallas, TX.

**Spolarich AE, Perry M**. Challenges with conducting research in patients with disabilities. Presented at: American Academy of Developmental Medicine and Dentistry 21st Annual Conference; May 5-7, 2023; Denver, CO.

Stratmoen EK, Johnson MM, Decoster LC, Hollingworth AT, **Welch Bacon CE, Valovich McLeod TC, Beltz EM**. Initial concussion evaluation documentation completeness among ATs in the collegiate setting. Presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S77.

Taylor ZR [student]. The influence of venous blood on lumbar cerebrospinal fluid pressure. Poster presented at: American Association of Colleges of Osteopathic Medicine 2023 Annual Conference; April 26-28, 2023; Baltimore, MD.

Vinup O [student], **Mehta Z**. Discovering theory of mind (ToM): journey of a child with bilateral hearing loss. Poster presented at: American Academy of Audiology 2023 Conference; April 19-22, 2023; Seattle, WA.

**Welch Bacon CE**, Eberman LE, Cavallario JM, Fagan AN [alum], Wetherington JJ [adjunct], Pecha FQ, Van Lunen BL. Athletic trainers' perceptions of the role of residency training for clinical practice advancement. Poster presented at: 74th National Athletic Trainers' Association Clinical Symposia; June 21-24, 2023; Indianapolis, IN. Abstract published in: *J Athl Train.* 2023;58(suppl 6):S307.

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## Sorry we missed you last time

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**LaBaere RJ II, Nelson D.** Building your learning community: how to come together (not divide) and conquer! Presented at: 2023 Accreditation Council for Graduate Medical Education Annual Educational Conference; February 23-25, 2023; Nashville, TN.

Mehmert R [student], Troyer E [student], Jones J [student], **Houser JJ**, Brunk-Grady M, **Kondrashov P.** Effect of COVID-19 pandemic and alternating dissection groups on course delivery and student performance in a cadaver-based gross anatomy course. Poster presented at: American Association for Anatomy 2023 Anatomy Connected; March 25-27, 2023; Washington, DC.

Rajendran A, Reddy AJ, Bisaga K, Sommer DA, Prakash N [student], Pokala VT, Yu Z, Bachir M, Nawathey N, Brahmabhatt T, Patel R. [A systematic review of the usage of rotigotine during early and advanced stage Parkinson's.](#) *Cureus.* 2023;15(3):e36211.

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**Salama F**, Kebriaei A. Knowledge, attitude and practice of general dentists regarding infants oral health. Poster presented at: 2023 American Dental Education Association Annual Session; March 11-14, 2023; Portland, OR.

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Speechley J [student], Rehnelt E [student], Schierding J [student], Wigington T [student], **Brechue W**, **Geisbuhler T**, **Cramberg M**, **Kondrashov P.** Effect of estrogen replacement therapy on healing of femoral articular cartilage defect in a rat model: a pilot study. Poster presented at: American Association for Anatomy 2023 Anatomy Connected; March 25-27, 2023; Washington, DC.

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Fourth Quarter FY2023 reports research activity for ATSU faculty, students, and staff for April-June 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.