



## ATSU RESEARCH

A newsletter produced by Research Support

Images (periodontal tissue of the maxillary first molar in rat) courtesy of Dr. Jae Hyun Park and colleague Dr. Je-Won Shin

*“Everyone knows that in research there are no final answers, only insights that allow one to formulate new questions.” ~Salvador Luria*

## Publications

Allen AN [alum], Wasserman EB, Williams RM [alum], Simon JE, Dompier TP, Kerr ZY, **Snyder Valier AR**. [Epidemiology of secondary school boys’ and girls’ basketball injuries: National Athletic Treatment, Injury and Outcomes Network](#). J Athl Train. 2019;54(11):1179-1186.

Banks CL, **Little VL**, Walker ER, Patten C. [Lower extremity long-latency reflexes differentiate walking function after stroke](#). Exp Brain Res. 2019;237(10):2595-2605.

Bethel C, Olson S, **Bay C**, Uyeda T, Johnson K. [Travel nurse onboarding: current trends and identified needs](#). J Nurs Adm. 2019;49(9):436-440.

Bhatti P [student], Delaney T, Poulin M, Hahn-Holbrook J. [Oxytocin receptor gene \(OXTR\) and father support interact to predict depressive symptoms postpartum](#). Biol Psychol. 2019;147:107686.

Boss H [alum], Al-Qawasmi RA, **Park JH**, Kulbersh R. [Heritability of teeth angulation and inclination in patients with overt malocclusion](#). Int Orthod. 2019;17(3):529-537.

**Breitenbach E, Bernstein J, Ayars C, Konecny L**. [The influence of family on doctoral student success](#). Int J Dr Stud. 2019;14:761-782.

**Campbell AM, Ikonne US, Whelihan KE, Lewis JH**. [Faculty perspectives on student attendance in undergraduate medical education](#). Adv Med Educ Pract. 2019;10:759-768.

Gary JC, Gosselin K [adjunct], Mulcahy A, Wise Matthews D. [Meeting Texas nursing workforce needs through recruitment and retention initiatives](#). Nurs Educ Perspect. 2019;40(6):355-357.

**Gold J**. [Evidence-based considerations for patients using cannabis](#). J Mich Dent Assoc. 2019;101(9):32-39.

## **Publications, continued**

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**Goldstein LB, Alshukri M, Trombly R, Dillenberg J.** [Value-based payment for oral health in an accountable care organization](#). *Compend Contin Educ Dent*. 2019;40(10):705.

Grover DB [alum], **Alexander JL.** [Patient attitudes toward telemedicine-delivered cardiac rehabilitation](#). *Rehabil Nurs*. 2019;44(6):358-363.

Halim IA [resident], **Park JH,** Halim H [visiting adjunct]. [Case report: how would you treat this malocclusion?](#) *PCSO Bull*. 2019;91(3):44-51.

Kawamura J, **Park JH,** Kojima Y, Kook YA, Kyung HM, Chae JM [visiting scholar]. [Biomechanical analysis for total mesialization of the mandibular dentition: a finite element study](#). *Orthod Craniofac Res*. 2019;22(4):329-336.

Klawonn A [adjunct], Kernan D [adjunct], **Lynskey J.** [A 5-week seminar on the biopsychosocial-spiritual model of self-care improves anxiety, self-compassion, mindfulness, depression, and stress in graduate healthcare students](#). *Int J Yoga Therap*. 2019;29(1):81-89.

**Kondrashova T,** Makar M [student], Proctor C [student], Bridgmon KA [student], **Pazdernik V.** [Dynamic assessment of cerebral blood flow and intracranial pressure during inversion table tilt using ultrasonography](#). *J Neurol Sci*. 2019;404:150-156.

Kruk J, Aboul-Enein BH, **Bernstein J,** Gronostaj M. [Psychological stress and cellular aging in cancer: a meta-analysis](#). *Oxid Med Cell Longev*. 2019;2019:1270397.

Labarca G, Drake L [student], Horta G, Jantz MA, Mehta HJ, Fernandez-Bussy S, Folch E, Majid A, Picco M. [Association between inflammatory bowel disease and chronic obstructive pulmonary disease: a systematic review and meta-analysis](#). *BMC Pulm Med*. 2019;19(1):186.

Leder DC, **Ramaraj P.** [In-vitro anti-cancer actions of RU-486 on human melanoma cells based on RU-486 treated, caspase inhibitor rescued and recovered cell growth, adhesion and migration functions](#). *J Transl Sci*. 2019;5(5).

Lee GH, Lee SM, **Park JH.** [The role of mandibular stabilization in orthognathic surgery](#). *Semin Orthod*. 2019;25(3):188-204.

Lee SK, Abbas NH, Bayome M, Baik UB, Kook YA, Hong M, **Park JH.** [Response to the letter](#). *Angle Orthod*. 2019;89(5):835.

Mace KL [alum], **Welch Bacon CE.** [The future of health professions education: considerations for competency-based education in athletic training](#). *Athl Train Educ J*. 2019;14(3):215-222.

Matson M [student], Schenk N. [Fatality of 33-year-old man involving Kratom toxicity](#). *J Forensic Sci*. 2019;64(6):1933-1935.

Modica C, **Lewis JH, Bay C.** [Colorectal cancer: applying the Value Transformation Framework to increase the percent of patients receiving screening in federally qualified health centers](#). *Prev Med Rep*. 2019;15:100894.

## **Publications, continued**

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**Musawi A**, Barrett T [student], **Nurrohman H**, **Bhatia S**, **Smith K**. [Assessing likelihood of using the Bruininks-Oseretsky test of motor proficiency to predict preclinical performance of dental students](#). Clin Exp Dent Res. 2019;5(5):513-518.

Neil ER, **Welch Bacon CE**, Nottingham SL, Kasamatsu TM, Eberman LE. [Preceptors' frequency and supervision of athletic training students' medical documentation during clinical education](#). Athl Train Educ J. 2019;14(3):182-190.

**Park JH**. [Die modifizierte C-Gaumenplatte \(MCPP\)](#) [in German]. Kieferorthopädie Nachrichten. 2019;17(10):12-15.

**Park JH**, Lee JH, Park JU, Kook YA, Kim Y. [Additional aesthetic surgery that can be performed with orthognathic surgery](#). Semin Orthod. 2019;25(3):275-285.

**Park JH**, Park JJ [student], **Papademetriou M**, Suri S. [Anterior open bite due to idiopathic condylar resorption during orthodontic retention of a Class II Division 1 malocclusion](#). Am J Orthod Dentofacial Orthop. 2019;156(4):555-565.

Park JU, **Park JH**, Kim Y, Kim CH, Kook YA. [Team approach for orthognathic surgery](#). Semin Orthod. 2019;25(3):264-274.

Pessin YJ [student], **Matthews EP**. [Glow powder: see the germs? An innovative teaching technique in a student sonography laboratory](#). J Diagn Med Sonogr. 2019;35(5):363-372.

Peterson S [adjunct], Kuntz C, **Roush J**. [Use of a modified treatment-based classification system for subgrouping patients with low back pain: agreement between telerehabilitation and face-to-face assessments](#). Physiother Theory Pract. 2019;35(11):1078-1086.

**Picha KJ**, Lester M, Heebner NR, Abt JP, Usher EL, Capilouto G, Uhl TL. [The Self-Efficacy for Home Exercise Programs Scale: development and psychometric properties](#). J Orthop Sports Phys Ther. 2019;49(9):647-655.

**Pike Lacy AM**, Eason CM, Stearns RL, Tosakoon S, Casa DJ. [Legislators' perceptions and knowledge of the athletic training profession: specific considerations for secondary schools](#). J Athl Train. 2019;54(11):1140-1148.

Rager JL, Cavallario J, Hankemeier DA, **Welch Bacon CE**, Walker SE [adjunct]. [The preparation and development of preceptors in professional graduate athletic training programs](#). Athl Train Educ J. 2019;14(3):156-166.

Raheem S [student], Steiner A [student], **Ahmad Z**. [Functional importance of  \$\alpha\$ Asp-350 in the catalytic sites of \*Escherichia coli\* ATP synthase](#). Arch Biochem Biophys. 2019;672:108050.

Ranns D [alum], **Valovich McLeod TC**. [Optimizing return to learn following a sport-related concussion: a quality improvement project](#). Clin Pract Athl Train. 2019;2(3):1-15.

Root H [adjunct], Marshall AN [adjunct], Thatcher A, **Snyder Valier AR**, **Valovich McLeod TC**, **Bay RC**. [Sport specialization and fitness and functional task performance among youth competitive gymnasts](#). J Athl Train. 2019;54(10):1095-1104.

## Publications, continued

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Song KT, **Park JH**, Moon W, Chae JM [visiting scholar], Kang KH. [Three-dimensional changes of the zygomaticomaxillary complex after mini-implant assisted rapid maxillary expansion](#). Am J Orthod Dentofacial Orthop. 2019;156(5):653-662.

**Spolarich AE**. [The escalating problem of pediatric substance abuse](#). Inscriptions. 2019;33(9):24-27.

Stumpner A, Lefebvre PC, Seifert M, **Ostrowski TD**. [Temporal processing properties of auditory DUM neurons in a bush-cricket](#). J Comp Physiol A Neuroethol Sens Neural Behav Physiol. 2019;205(5):717-723.

Tai K [visiting adjunct], Shin JW, **Park JH**, Sato Y. [A modified palatal appliance for forced eruption of impacted central incisor](#). J Clin Pediatr Dent. 2019;43(6):424-431.

Tsai CJ, Verma N, **Owosho AA**, Hilden P, Leeman J, Yom S, Huryn JM, Lee NY, Estilo CL. [Predicting radiation dosimetric distribution in different regions of the jaw in patients receiving radiotherapy for squamous cell carcinoma of the tonsil](#). Head Neck. 2019;41(10):3604-3611.

Tussey C, Kelly LA, Oja KJ, **Bay RC**, Makarova N. [Reducing discomfort after cesarean birth using abdominal binders](#). MCN Am J Matern Child Nurs. 2019;44(6):310-316.

**Weber ML**, **Welch Bacon CE**, **Valovich McLeod T**. [School nurses' management and collaborative practices for student-athletes following a sport-related concussion](#). J Sch Nurs. 2019;35(5):378-387.

Williams RM [alum], **Welch Bacon CE**, Kucera KL, **Snyder Valier AR**. [Athletic trainers' knowledge of appropriate care of spine injured athletes](#). Athl Train Sports Health Care. 2019;11(6):288-296.

Yamauchi K, Tsujimoto A, **Jurado CA**, Shimatani Y, Nagura Y, Takamizawa T, Barkmeier WW, Latta MA, Miyazaki M. [Etch-and-rinse vs self-etch mode for dentin bonding effectiveness of universal adhesives](#). J Oral Sci. 2019;61(4):549-553.

## Presentations and abstracts

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Assani K [student], Bhatia A [student], Dhaliwal J [student], Etemadi K [student], Liou C [student], Royter E [student], Sotoudeh C [student], Virk H [student], Yellin R [student], Zachariash D [student], Cryns D, **Quezada C**, **Whelihan K**, **Lewis JH**. Mentors in medicine program: improving health education in Woodlake Unified School District and surrounding community. AMA Med Stud Impact Challenge. 2019:86-87.

**Dishman L**, **Fick J**. How does consuming high-fructose corn syrup made from genetically-engineered corn link to obesity and diabetes in the United States? Mich Acad. 2019;46(1):75.

**Gold J**. Florida dental provider survey on obesity, dental caries and SSBs HRSA/FDOH Project #1. Presented at: Oral Health Florida 2019 Conference; November 4-6, 2019; Daytona Beach, FL.

## **Presentations and abstracts, continued**

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Hak S [student], Thompson K [student], Chitneni A [student], Mandala R [student], Dalal S [student], Jiao B [student], Ghannam K [student], Patel J [student], Goodman H [student], Dia L [student], Grewal S [student], **Whelihan K, Lewis JH**. Evaluating responsiveness of underserved Chicago communities to colorectal cancer screening recommendations. Poster presented at: Student National Medical Association Region II Regional Medical Education Conference 2019; November 9, 2019; Chicago, IL.

**Makin IRS**. Integration of point of care ultrasound (POCUS) instruction within multiple programs at a health sciences university. Presented at: 2019 Society of Diagnostic Medical Sonography Annual Conference; September 26-29, 2019; National Harbor, MD.

**Makin IRS**. Inter-professional clinician-sonographer preceptors to implement ultrasound based medical education curriculum. Presented at: 2019 Society of Diagnostic Medical Sonography Annual Conference; September 26-29, 2019; National Harbor, MD.

**McIsaac TL**, Hayes J [alum], Harpham O [alum], Erickson N [alum]. Feasibility of using hippotherapy strategy to address axial symptoms, functional mobility, and strength of individuals with Parkinson disease: a case series. *Mov Disord*. 2019;34(suppl 2):S269.

**McIsaac TL**, Hayes J [alum], Harpham O [alum], Erickson N [alum], Carpenter M [student], Hamann B [student], Ngai V, Goodman J. Feasibility of using hippotherapy strategy to address axial symptoms, functional mobility, and strength of individuals with Parkinson disease: a case series. Poster presented at: 22nd International Congress of Parkinson's Disease and Movement Disorders; September 22-26, 2019; Nice, France.

Moore H [student], **Dishman L**. Exploring the effects of succession planning on leadership attrition in medical groups across the United States. *Mich Acad*. 2019;46(1):12-20.

**Park JH**. ABO clinical examination. Presented at: Pacific Coast Society of Orthodontists 83rd Annual Session; October 3-6, 2019; Honolulu, HI.

Swamy S [student], Rosenbush D [student], Ali S [student], Cistulli A [student], Doyle B [student], Khodaparast N [student], Kochar M [student], Moeller A [student], Mowatt K [student], Weidenbaum C [student], Walker A, **Whelihan K, Lewis J**, Dixon AW. ParkRx: increasing provider prescription of outdoor physical activity to promote long-term health and well-being. *AMA Med Stud Impact Challenge*. 2019:62-63.

Thomas K [alum], **Dishman L, Fick J**. Examining the relationship among hospitalist continuing education, hospitalist communication competency, and stroke patient outcomes: perceptions of hospitalists. *Mich Acad*. 2019;46(1):77.

Wilbers J [alum], **Dishman L, Fick J**. Do 30-day readmission-rates matter to patient satisfaction of inpatient acute-care hospitals in the United States? *Mich Acad*. 2019;46(1):75-76.

Wilbers J [alum], **Dishman L, Fick J**. Do inpatient acute care hospitals with lower 30-day readmission rates have more satisfied patients? *J Healthc Manag*. 2019;64(6):448-449.

**Zegarra-Parodi R**. New Approach for Touch Interpretation Valuing and Emphasizing on INteroception for OSTeopathic diagnosis after MEDitative states (Native in Ost Med). Presented at: Centre for Osteopathic Medicine Collaboration COME to QUANTUM 2019; October 18-19, 2019; Catania, Italy.



## **Presentations and abstracts, continued**

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**Zegarra-Parodi R**, Draper-Rodi J, Cerritelli F. Updating the biopsychosocial model for musculoskeletal practice by introducing religion and spirituality dimensions into the clinical scenario. Presented at: Society for the Scientific Study of Religion and Religious Research Association 2019 Annual Meeting; October 24-27, 2019; St. Louis, MO.

## **Sorry we missed you last time**

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Clines SH, **Welch Bacon CE**, Eason CM, Pagnotta KD, Huggins RA, Van Lunen BL. [Athletic directors' perceptions regarding the value of employing athletic trainers in the secondary school setting](#). J Physic Educ Sport Manag. 2019;6(1):1-12.

**Hudman DA**, Motes HC [student], Lighthouse NC [alum], **Stuart MK**. Effect of phytochemicals on *Trichomonas tenax* (Tricomonadida: Trichomonadidae) viability. Poster presented at: 71st Annual Midwestern Conference of Parasitologists; June 6-8, 2019; Mankato, MN.

McFadden E [alum], Eldridge D [student], Nicoll R [student], Sullivan K [student], **Gupta J, McIsaac TL**. Multi-limb control and attention during simulated driving in Parkinson's disease: study methods. Poster presented at: Association for Driver Rehabilitation Specialists ADED 43rd Annual Conference; August 9-13, 2019; Lexington, KY. Abstract published in: News Brake. 2019;43(4):15.

Motes HC [student], **Stuart MK**. Membrane array analysis of macrophage cytokines elicited by oral trichomonads. Poster presented at: American Society for Microbiology Microbe 2019; June 20-24, 2019; San Francisco, CA.

ShIPLEY T [adjunct], Farouk K, El-Bialy T. [Effect of high-frequency vibration on orthodontic tooth movement and bone density](#). J Orthod Sci. 2019;8:15.

Tsujimoto A, **Jurado C**, Villalobos-Tinoco J, Barkmeier W, Fischer N, Takamizawa T, Latta M, Miyazaki M. [Wear resistance of indirect composite resins used for provisional restorations supported by implants](#). J Adv Prosthodont. 2019;11(4):232-238.

**Zegarra-Parodi R**, Draper-Rodi J, Cerritelli F. [Refining the biopsychosocial model for musculoskeletal practice by introducing religion and spirituality dimensions into the clinical scenario](#). Int J Osteopath Med. 2019;32:44-48.

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