



ATSU RESEARCH

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

“The experiment should be set up to open as many windows as possible on the unforeseen.” ~Frederic Joliot-Curie

Publications

Aboul-Enein BH, **Bernstein J**, Neary AC. Dietary transition and obesity in selected Arabic-speaking countries: a review of the current evidence. East Mediterr Health J. 2016;22(10):753-760. [Link](#).

Blue CM, Kaylor MB [adjunct]. Dental therapy practice patterns in Minnesota: a baseline study. Community Dent Oral Epidemiol. 2016;44(5):458-466. [Link](#).

Casiano A [student], Stefanacci RG. Targeted population health management for under 55-year-olds qualifying for LTC services. Popul Health Manag. 2016;19(5):301-303. [Link](#).

Chaffin J, Gold J, Vidone L. Silver diamine fluoride: overview and perspectives for payers. Beacon. Fall 2016:14-18. [Link](#).

Chamberlain NR, Sexton PS, Hardee MR, Baer RW. Resources utilized by preclinical medical students during patient morning rounds. Med Sci Educ. 2016;26(3):283-286. [Link](#).

Chamberlain NR, Sexton PS, Hardee MR, Baer RW. Use of large-group patient rounds to characterize pre-clerkship medical students' ability to perform three entrustable professional activities. Med Sci Educ. 2016;26(3):481-489. [Link](#).

Chang NY, **Park JH**, Kim SC, Kang KH, Cho JH, Cho JW, Jang HE, Chae JM [visiting scholar]. Forced eruption of impacted maxillary central incisors with severely dilacerated roots. Am J Orthod Dentofacial Orthop. 2016;150(4):692-702. [Link](#).

Crutchfield P, Johnson JC, Brandt L, Fleming D. The limits of deontology in dental ethics education. Int J Ethics Educ. 2016;1(2):183-200. [Link](#).

Goldstein LB, Troncoso VA. Overview of exertional rhabdomyolysis. Pract Pain Manag. 2016;16(9):65-66. [Link](#).

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Goldstein LB, Troncoso VA, Heath D, Wilson K [student], Vahdatinia R [student]. Low back pain and osteopathic manipulative medicine: a trend in pain management. *Pract Pain Manag.* 2016;16(8):45-56. [Link](#).

Gray D, Foster K, Cruz A, Kane G, Toomey M, **Bay C**, Kardos P, Ostovar GA. Universal decolonization with hypochlorous solution in a burn intensive care unit in a tertiary care community hospital. *Am J Infect Control.* 2016;44(9):1044-1046. [Link](#).

Guido K, Khattab H, **Bay C**, Ostovar GA. *Clostridium difficile* colonization in asymptomatic infants 1 to 12 months old, admitted to a community hospital. *Clin Pediatr (Phila).* 2016;55(12):1176-1179. [Link](#).

Halupa C, Breitenbach E, Anast A. A self-plagiarism intervention for doctoral students: a qualitative study. *J Acad Ethics.* 2016;14(3):175-189. [Link](#).

Han D, **Young BA.** Anatomical basis of dynamic modulation of tympanic tension in the water monitor lizard, *Varanus salvator*. *Anat Rec (Hoboken).* 2016;299(9):1270-1280. [Link](#).

Heick JD, Bay C, Dompier TP, Valovich McLeod TC. The psychometric properties of the King-Devick test and the influence of age and sex in healthy individuals aged 14 to 24 years. *Athl Train Sports Health Care.* 2016;8(5):222-229. [Link](#).

Howell S, Perry MM, Patel N [alum]. Protocols for treating patients with end-stage renal disease: a survey of AEGD/GPR dental residencies. *Spec Care Dentist.* 2016;36(6):325-327. [Link](#).

Kang JM, **Park JH**, Bayome M, Oh M, Park CO, Kook YA, Mo SS. A three-dimensional finite element analysis of molar distalization with a palatal plate, pendulum, and headgear according to molar eruption stage. *Korean J Orthod.* 2016;46(5):290-300. [Link](#).

Keating J, **Park JH.** Evaluation of current screening and treatment patterns for pediatric obstructive sleep apnea among practicing pediatric dentists in the United States: a pilot study. *Pediatr Dent.* 2016;38(5):393-397. [Link](#).

Lee KY, **Park JH**, Tai K [adjunct], Chae JM [visiting scholar]. Treatment with Twin-block appliance followed by fixed appliance therapy in a growing Class II patient. *Am J Orthod Dentofacial Orthop.* 2016;150(5):847-863. [Link](#).

Line D, Schutte KJ, McCullick C. Mapping your program. *Dep Chair.* 2016;27(2):9-10. [Link](#).

Mokdad AH, Forouzanfar MH, Daoud F, El Bcheraoui C, Moradi-Lakeh M, Khalil I, ... Radfar A [student], et al. Health in times of uncertainty in the eastern Mediterranean region, 1990-2013: a systematic analysis for the Global Burden of Disease Study 2013. *Lancet Glob Health.* 2016;4(10):e704-713. [Link](#).

Navickis MA [alum], **Mathieson K.** U.S. dental hygiene students' perceptions of interprofessional collaboration. *J Dent Educ.* 2016;80(9):1041-1048. [Link](#).

Noll DR, **Degenhardt BF, Johnson JC.** Multicenter Osteopathic Pneumonia Study in the Elderly: subgroup analysis on hospital length of stay, ventilator-dependent respiratory failure rate, and in-hospital mortality rate. *J Am Osteopath Assoc.* 2016;116(9):574-587. [Link](#).

Publications, continued

Park JH. Klinische und biomechanische Aspekte rund um TADs. KN Kieferorthopädie Nachrichten. 2016;11:4-8. [Link](#).

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Pedersen DM, **Wendel OT.** Mt. Everest memorial honors US physician assistant. JAAPA. 2016;29(11):35-38. [Link](#).

Peterson S [adjunct], **Hodges C.** Lumbar lateral shift in a patient with interspinous device implantation: a case report. J Man Manip Ther. 2016;24(4):215-222. [Link](#).

Pruzansky DP, Park JH. Quality of lab appliances in orthodontic offices. J Clin Pediatr Dent. 2016;40(6):506-509. [Link](#).

Sargentini NJ, Gularte NP [student], **Hudman DA.** Screen for genes involved in radiation survival of *Escherichia coli* and construction of a reference database. Mutat Res. 2016;793-794:1-14. [Link](#).

Schumacher RM, Arabas JL, Mayhew JL, **Brechue WF.** Inter-investigator reliability of anthropometric prediction of 1RM bench press in college football players. Int J Exerc Sci. 2016;9(3):427-436. [Link](#).

Sharifi M, Berger J, Beeston P, **Bay C,** Vajo Z, Javadpoor S, “PEAPETT” investigators. Pulseless electrical activity in pulmonary embolism treated with thrombolysis (from the “PEAPETT” study). Am J Emerg Med. 2016;34(10):1963-1967. [Link](#).

Silverstein JW [alum], **Matthews E,** Mermelstein LE, DeWal H. Causal factors for position-related SSEP changes in spinal surgery. Eur Spine J. 2016;25(10):3208-3213. [Link](#).

Sturgill J [alum], **Howell S, Perry MM,** Kothari H [alum]. Protocols for treating patients with end-stage renal disease: a survey of undergraduate dental programs. Spec Care Dentist. 2016;36(6):321-324. [Link](#).

Vedurmudi AP, **Young BA,** van Hemmen JL. Internally coupled ears: mathematical structures and mechanisms underlying ICE. Biol Cybern. 2016;110(4-5):359-382. [Link](#).

Xu M, **Cross CE,** Speidel JT, Abdel-Rahman SZ. *MGMT* DNA repair gene promoter/enhancer haplotypes alter transcription factor binding and gene expression. Cell Oncol (Dordr). 2016;39(5):435-447. [Link](#).

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Zegarra-Parodi R, Cerritelli F. The enigmatic case of cranial osteopathy: evidence versus clinical practice. Int J Osteopath Med. 2016;21:1-4. [Link](#).

Presentations and abstracts

Amaddeo P, **Valovich McLeod TC**, Filali N, Bellini G, **Welch Bacon CE**, Cornali C. Association between concussion history and knowledge among Italian youth soccer athletes. Poster presented at: 5th International Consensus Conference on Concussion in Sport; October 27-28, 2016; Berlin, Germany.

Battin M, Troxell T [student]. Partnering 4 Africa: how to establish a medical non-profit organization abroad. Presented at: Family Medicine Midwest Conference; October 7-9, 2016; Indianapolis, IN.

Bigeh A [student], Alhakeem M, Horani MH. Treatment for thyroid storm with concurrent severe transaminitis. Presented at: American College of Physicians 2016 Arizona Chapter Scientific Meeting; November 4-6, 2016; Tempe, AZ.

Bordenave L, Tovin MM, Blackinton MT, Canbek J. Leadership in the American Physical Therapy Association: the experience of early career physical therapy professionals. Presented at: Education Leadership Conference 2016; October 7-9, 2016; Phoenix, AZ.

Brown M, **Phillips P**, Progulske-Fox A, Reyes L. The periodontal bacterium *Porphyromonas gingivalis* impairs spiral artery remodelling and induces acute atherosclerosis in a rat model of periodontitis. Poster presented at: International Federation of Placenta Associations 2016 Meeting; September 13-16, 2016; Portland, OR. Abstract published in: Placenta. 2016;45:89.

Chu KP, Crean E, **Kaufman H**. Achieving dental school clinic effectiveness: the balance among education, patient care management and revenue. Presented at: 2016 American Dental Education Association Sections on Business and Financial Administration and Clinic Administration (ADEA BFACA) Meeting; October 5-8, 2016; Kansas City, MO.

Clark J, **Olsen LK**. Who will teach school health education in 2025? Presented at: American School Health Association 2016 Annual Conference; October 6-8, 2016; Baltimore, MD.

Dillenberg J. Equity without proximity. Presented at: New Trends for a Healthier Nation: Inter-Professional Collaborative Care Seminar; September 14, 2016; Washington, DC.

Gold J. Evidence-based recommendations for silver diamine fluoride and fluoride varnish treatments in community programs. Poster presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Halupa CM. Benefits and risks: the impact of online learning and technology on student mental, emotional and social health. Presented at: 9th Annual International Conference of Education, Research and Innovation; November 14-16, 2016; Seville, Spain.

Halupa CM. Using VineUp to match engineering students and industry mentors: a pilot study. Presented at: 2016 Association for Educational Communications and Technology International Convention; October 17-21, 2016; Las Vegas, NV.

Kay MC [alum], Williams RM [alum], **Valovich McLeod TC**, Register-Mihalik JK. Concussion knowledge, attitudes, and perceived level of involvement by American youth sport coaches in concussion management. Presented at: 5th International Consensus Conference on Concussion in Sport; October 27-28, 2016; Berlin, Germany.

Presentations and abstracts, continued

Lewis JH, Cortes E [alum], Galvin R [student]. Designing your own community-oriented research project. Presented at: 121st Annual Osteopathic Medical Conference and Exposition (OMED 16); September 17-20, 2016; Anaheim, CA.

McElderry C, **Allen D**, Blackmon V, Cassell C, Obisesan O [alum]. Prevalence of participation in cervical cancer screening among Asian women immigrants in the United States. Poster presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Nwanodi O [alum]. Acupuncture for labor pain management. Poster presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Obisesan O [alum], **Allen D**, **Sheppard ME**, Commodore-Mensah Y, McElderry C. Uptake of Pap smear testing among female African immigrants: a secondary data analysis of the National Health Interview Survey. Poster presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Olsen L, Goekler S. Role of public health professionals in local advocacy for ESSA. Presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Olsen L, Peña De La Cruz A. Let's get off our "butts" for comprehensive health education programs. Poster presented at: American School Health Association 2016 Annual Conference; October 6-8, 2016; Baltimore, MD.

Sargentini NJ, Gularte NP [student], **Hudman DA**. Update on *Escherichia coli* mutants sensitive to UV and X-radiation. Poster presented at: Environmental Mutagenesis and Genomics Society 47th Annual Meeting; September 24-28, 2016; Kansas City, MO.

Troxell T [student], Battin M, Ojong O. Confluent and reticulated papillomatosis (CARP): a commonly misdiagnosed rash. Poster presented at: Family Medicine Midwest Conference; October 7-9, 2016; Indianapolis, IN.

Troxell T [student], Battin M, Saile J. Interprofessional education: dermatology, primary care, and osteopathic manipulative medicine training for dental students. Poster presented at: 121st Annual Osteopathic Medical Conference and Exposition (OMED 16); September 17-20, 2016; Anaheim, CA. Abstract published in: J Am Osteopath Assoc. 2016;116(9):e74-75.

Valovich McLeod TC, **Lewis JH**, **Whelihan K**, **Welch Bacon CE**. Compliance with and effectiveness of return-to-activity progressions following concussion: a systematic review of the literature. Poster presented at: 5th International Consensus Conference on Concussion in Sport; October 27-28, 2016; Berlin, Germany.

Valovich McLeod TC, Wagner AJ [alum], Parsons JT [adjunct], **Welch Bacon CE**. Adolescent athletes' social perspectives following a sport-related concussion. Poster presented at: 5th International Consensus Conference on Concussion in Sport; October 27-28, 2016; Berlin, Germany.

Presentations and abstracts, continued

Welch Bacon CE, Register-Mihalik JK, Kasamatsu TM, **Valovich McLeod TC**. A comparison of healthcare professional and school personnel perceptions and familiarity of academic adjustments for concussed adolescents. Poster presented at: 5th International Consensus Conference on Concussion in Sport; October 27-28, 2016; Berlin, Germany.

Wilkinson T, Rone-Adams S, **Burch A**, Rosenthal R. The influence of educational experiences in physical therapy curriculum in developing interest in rural and small community practice. Poster presented at: Education Leadership Conference 2016; October 7-9, 2016; Phoenix, AZ.

Young M, **Olsen L**, Peña De La Cruz A, Amayta A. Fat phobias of undergraduate student school nurses. Poster presented at: American Public Health Association 2016 Annual Meeting; October 29-November 2, 2016; Denver, CO.

Sorry we missed you last time

Nasoori A, **Young BA**, Tsubata T, Shahbazzadeh D. The defensive behavior of *Naja oxiana* with comments on the visual displays of cobras. Poster presented at: 3rd International Veterinary Congress; August 18-20, 2016; London, England.

Nwanodi OB [alum]. Preeclampsia-eclampsia adverse outcomes reduction: the preeclampsia-eclampsia checklist. *Healthcare (Basel)*. 2016;4(2):26. [Link](#).

Picha KJ [alum], Harding JL [alum], **Huxel Bliven KC**. Glenohumeral and hip range-of-motion and strength measures in youth baseball athletes. *J Athl Train*. 2016;51(6):466-473. [Link](#).

Ramaraj P. *In-vitro* determination of the protective function of progesterone and its receptor antagonist RU-486 in melanoma using a human melanoma (BLM) cell model. Presented at: Global Summit on Melanoma and Carcinoma; July 14-15, 2016; Brisbane, Australia. Abstract published in: *J Cancer Sci Ther*. 2016;8(6 suppl):23.

Robinson B, **Chu K**, Gambacorta J, Markofs S, Shueman L, Farhang P, Kotch H. Patient centered curriculum integrated format of ADEX exam. Presented at: 2016 Commission on Dental Competency Assessments Educators Conference; June 17, 2016; Baltimore, MD.

Shanti SD. Tampon makers could help reduce violence against women. *BMJ*. 2016;353:i3465. [Link](#).

Snyder Valier AR, **Sauers EL**. Transforming athletic healthcare through quality improvement. Presented at: National Athletic Trainers' Association 67th Clinical Symposia; June 22-25, 2016; Baltimore, MD.

Spolarich AE. High-tech hygiene: technologies making a difference in oral care. *Compend Contin Educ Dent*. 2016;37(6):e1-4. [Link](#).

Steelman ED [alum], **Alexander JL**. Laboratory animal workers' attitudes and perceptions concerning occupational risk and injury. *J Am Assoc Lab Anim Sci*. 2016;55(4):419-425. [Link](#).