

Academic Year 2013-2014 Publications and Conference Presentations

By FAC Faculty and Students and Research Involving FAC Resources

Publications

- Godde K, and Taylor RW. 2013. Distinguishing body mass and activity level from the lower limb: Can entheses diagnose obesity? *Forensic Sci Int* 226(1-3).
- Fatah EEA, Shirley NR, Jantz RL and Mahfouz MR. 2014. Improving sex estimation from crania using a novel three-dimensional quantitative method. *J Forensic Sci* 59(3):590-600.
- Hefner JT, Spardley MK and Anderson B. 2014. Ancestry estimate using random forest modeling. *J Forensic Sci* 59(3):583-589.
- Koch SL, Michaud AL, Mikell CE. 2013. Taphonomy of Hair: A study of postmortem root banding. *J Forensic Sci* 58:S52-59.
- Merritt CE. 2014. A test of Hartnett's revisions to the pubic symphysis and fourth rib methods on a modern sample. *J Forensic Sci* 59(3):703-711.
- Mundorff A and Davoren JM. 2014. Estimation of DNA yield rates for different skeletal elements at increasing postmortem intervals. *For Sci Internat Genetics* 8:55-63
- Niskanen M, Maijanen H, McCarthy D, Junno JA. 2013. Application of the anatomical method to estimate the maximum adult stature and the age-at-death stature. *Am J Phys Anthropol* 152(1):96-106.
- Ousley S, and Jantz R. 2013. Fordisc 3 Third generation of computer-aided forensic anthropology. *Rechtsmedizin* 23(2):97-99.
- Passalacqua NV, Zhang Z, and Pierce SJ. 2013. Sex determination of human skeletal populations using latent profile analysis. *Am J Phys Anthropol* 151(4):538-543.
- Thomas RM, Ubelaker DH, Byrd JE. 2013. Tables for the metric evaluation of pair-matching of human skeletal elements. *J Forensic Sci* 58(4):952-956.
- Tise ML, Spradley MK, and Anderson BE. 2013. Postcranial Sex Estimation of Individuals Considered Hispanic. *J Forensic Sci* 58:S9-S14.
- Jeong Y, Woo EJ and Pak S. 2013. No significant difference in the levels of dental fluctuating asymmetry between hypoplastic and non-hypoplastic skeletal groups from the Joseon Dynasty (mid 15th - early 20th century), South Korea. *Archives of Oral Biology* 58(8): 1047-56.

Vidoli G M, Devlin J, Jantz LM and Steadman DW. 2013. Training Contributions of the Forensic Anthropology Center to Human Skeletal Recoveries and Casework. *Georgia Division of the International Association of Identification Newsletter*. 43(3):24-25.

Woo EJ, Jeong Y, Jung H, Pak S. 2014. Biomechanical properties of femoral diaphyseal cross-sectional shape from the Eunpyeong population. *Korean Association of Physical Anthropologists* 27(1): 39-45.

Conference Presentations

Andronowski, JM. 2014. "Evaluating Age-related Bone Loss in the Eriksen Femur Collection." Poster presented at the American Association of Physical Anthropologists Annual Meeting, April 12, 2014.

Cobb, Charles R., Heather Worne and Dawnie W. Steadman. 2013. Morbidity as Collateral Damage in Times of War: A View from the Prehistoric American Southeast. Paper presented at the American Anthropological Association, Chicago, Illinois, November 22, 2013.

Corcoran, Katie and Amy Mundorff. 2014. "A Multidisciplinary Data Fusion-based Approach to Remote Human Grave Detection" Paper presented at the American Academy of Forensic Sciences, February 20, 2014.

Corcoran, Katie and Devin White. 2013. "Fusion of Remotely Sensed Data for Human Grave Detection" Paper presented at the CaGIS/ASPRS Specialty Conference on Imaging and Mapping for Disaster Management, October 30, 2013.

Dautartas, Angela. 2013. "Time since death: human decomposition research at the University of Tennessee." International Association of Identification, Chesapeake Region (VA), October 19, 2013.

Dudzik, Beatrix and Noriko Seguchi. 2014. "Examining Admixture and Secular Change in a Cranial Sample from Southern Japan." Poster presented at the American Academy of Forensic Sciences, February 21, 2014.

Hepner, Tricia and Dawnie W. Steadman. 2013. "Massacres, Mass Graves, and Mollified Spirits: Reburial and Reconciliation in Northern Uganda." Paper presented at the American Anthropological Association, Chicago, Illinois. November 23, 2013.

Jung H, Woo EJ, Jeong Y, Pak S. 2014. "Regional pattern of dental chipping in two ancient populations (A.D. 3rd - 7th century) of Korea." American Association of Physical Anthropologists, Calgary Canada.

Jeong Y. 2013. "A caveat in estimating statures using Trotter and Gleser (1958) equations." Midwest Bioarchaeology and Forensic Anthropology Association, Columbus OH.

Jeong, Yangseung and Eun Jin Woo. 2014. "Can we use dental wear for age estimation of modern Americans?" Poster presented at the American Academy of Forensic Sciences, February 21, 2014.

Jeong, Yangseung, Jennifer A. Synsteliën, Jake Smith and Lee Meadows Jantz. 2014. "Raccoon scavenging at the Anthropological Research Facility at the University of Tennessee." Paper presented at the American Academy of Forensic Sciences, February 22, 2014.

Maijanen, Heli, Rebecca J. Wilson-Taylor and Lee Meadows Jantz. 2014. "Postmortem Damage to Skeletal Elements Due to the Extreme Weather Conditions of Hailstorms." Poster presented at the American Academy of Forensic Sciences, February 20, 2014.

McCormick, Kyle and Kate Koplán. 2014. "An Assessment of Biological Affinity in an Unmarked Cemetery from Nevada: The Importance of Context and Appropriate Reference Samples." Paper presented at the American Academy of Forensic Sciences, February 20, 2014.

McNulty, Shauna. 2014. "Trauma Patterns of Accidental and Intentional Injury." Poster presented at the American Academy of Forensic Sciences, February 20, 2014.

Mundorff, Amy Z., Cristina Figueroa-Soto and Rob Comisso. 2014. "Assessing the usefulness of plant $\delta^{15}\text{N}$ as a new forensic tool to identify clandestine graves." Poster presented at the American Academy of Forensic Sciences, February 21, 2014.

Shirley, Natalie R., Daniel K. Brown, Beatrix Dudzik, Nicole Reeves and Paul Wood. 2014. "A Multidisciplinary Forensic Effort Unwraps the Mystery of a Mummified Case." Poster presented at the American Academy of Forensic Sciences, February 21, 2014.

Smith, Jake. 2014. "UTK Forensic Anthropology Center's Body Donation Program and the resulting contributions to forensic science." Annual Convention of the Funeral Service Association of Nova Scotia. Nova Scotia, Canada. May 1, 2014.

Smith, Jake. 2014. "Forensic Anthropology Center's Body Donation Program, UTK." 126th Annual Convention of the Virginia Funeral Directors Association. Virginia Beach, Virginia. June 30, 2014.

Steadman, Dawnie Wolfe, Lee Meadows Jantz, Joanne Devlin and Giovanna Vidoli. 2014. "Forensic Science Education and Mentoring Opportunities at the University of Tennessee Forensic Anthropology Center." Paper presented at the American Academy of Forensic Sciences, Seattle, Washington. February 20, 2014.

Steadman, Dawnie Wolfe. 2013. "Impacts of the Anthropology Research Facility (ARF) on Forensic Science." LSU Investigation for Identification Course, New Orleans, LA, August 24, 2013.

Steadman, Dawnie. 2013. "Workshop on Forensic Anthropology." Arizona Homicide Investigators Association, Las Vegas, NV. October 3, 2013.

Steadman, Dawnie Wolfe. 2013. Roundtable participant, "Field Schools in Archaeology and Biological Anthropology: Present Realities, Future Possibilities." American Anthropological Association, Chicago, Illinois, November 24, 2013.

Steadman, Dawnie Wolfe. 2014. "The Role of Anthropology in Forensic Human Rights Investigations and Current Mass Grave Research at the University of Tennessee Forensic Anthropology Center." Paper given at the First Annual Texas State University Forensic Anthropology Conference, San Marcos, Texas, January 31, 2014.

Steadman, Dawnie Wolfe. 2013. "Training the next Generation of Forensic Anthropologists." Tennessee Valley Corridor Forensic Symposium, Murfreesboro, TN. October 30, 2013.

Valdivieso, Carolina Puerto, Andres D. Granados, Maria A. Lopez. 2014. "Validation of a Method of Sex Determination Based on Sterna from a Sample of Modern Colombian Mestizos." Poster presented at the American Academy of Forensic Sciences, February 21, 2014.