

EDILBERTO A. RAYNES, MD, PhD

Department of Physical Therapy, College of Health Sciences, Tennessee State University
3500 John A. Merritt Blvd., Nashville, Tennessee 37209
Phone: (615) 963-2190 Facsimile: (615) 963-5935
Email: eraynes@tnstate.edu

EDUCATIONAL BACKGROUND

Doctor of Philosophy, Public Health with concentration on Epidemiology, Walden University, Minneapolis, Minnesota. (2013)

Fellow, Minority Serving Institution. American Evaluation Association. (2014)

Health Disparity Fellow. Steps Toward Academic Research (STAR) Fellow. University of North Texas Health Sciences Center at Fort. Fort Worth, Texas (2009)

Pediatric Residency Training. Manila Hospital. Manila, Philippines (1995)

Doctor of Medicine. University of the City of Manila. Manila, Philippines. (1991)

Bachelor of Arts in Psychology, De La Salle University. Manila, Philippines. (1984)

PROFESSIONAL EXPERIENCE

2014-present *Member*, Institutional Research Board. Tennessee State University. Nashville, Tennessee.

2014-present *Grant Evaluator*, Tennessee State University. Nashville, Tennessee.

2014-present *Adjunct online Faculty, Dissertation Chair and Committee Member*. School of Advanced Studies. University of Phoenix. Tempe, Arizona.

2014-present *Adjunct online Faculty*, College of Nursing and Health Care Professions. Grand Canyon University. Phoenix, Arizona

2013-present *Tenured Associate Professor*, Department of Physical Therapy, College of Health Sciences. Tennessee State University, Nashville, Tennessee.

2009-present *Adjunct Faculty*, Department of Dental Hygiene. College of Health Sciences. Tennessee State University. Nashville, Tennessee.

2006-2013 *Tenure track, Assistant Professor*, Department of Physical Therapy, College of Health Sciences. Tennessee State University, Nashville, Tennessee.

2003-2017 *Adjunct Faculty*, Department of Cardio-Respiratory and Health Information Management, College of Health Sciences. Tennessee State University, Nashville, Tennessee.

2005 -2006 *Adjunct Faculty*, Department of Natural Sciences and Mathematics. Nashville State Community College, Nashville, Tennessee.

2004-2006 *Adjunct Faculty*, Department of Liberal Arts. Aquinas College, Nashville, Tennessee.
Adjunct Faculty, Massage Therapy Department. Kaplan College (formerly Southeastern Career College)

2003-2004 *Adjunct Faculty*, Medical Assisting Department. National College of Business and Technology. Nashville, Tennessee.

1993-1994 *Associate Chief Resident and Clinical Instructor*. Department of Pediatrics. Manila Hospital. Manila, Philippines

1994-1995 *Chief Resident and Clinical Instructor*. Department of Pediatrics. Manila, Hospital. Manila, Philippines.

OTHER RELEVANT EXPERIENCE

2013 *Evaluator in Training*. Minority Serving Institution-American Evaluation Association. Washington, District of Columbia

2013-present *Committee Member*, Institutional Research Board. Tennessee State University. Nashville, Tennessee.

2012 *Grant Participant*, National Conference on Health Disparities in Rehabilitation. Alabama State University. Montgomery, Alabama.

2012-present *Reviewer*, American College of Epidemiology.

Reviewer, World Congress on Public Health.
 2007-present *Executive Editorial Board and Reviewers Task Panel*. Intellectbase International Consortium.
 Nashville, Tennessee.

SELECTED PUBLICATIONS

Raynes, E. A., Waller, L., Glymph, K., Jones, T., Michaels, N., Barredo, R., Heimdal, J., Johnson, O. Pounders, V., Bradley, W., & Hubbert, D. (2019). Knowledge, attitudes, and practices on the use of energy drinks among Division I athletes. *The Federation of American Society of Experimental Biology Journal*, 33(1) No. 1 Supplement https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.839.1

Pounders, V, McArthur, L., Rinehart, J., McQueen, R., **Raynes, E. A.**, & Roca-Menchavez, M. (2019). Physical Therapy and Regenerative Medicine: Current knowledge and future prospects. *The Federation of American Society of Experimental Biology Journal*, 33(1) No. 1 Supplement https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.802.57

Coker, K., Hubbert, D., **Raynes, E. A.**, & Bowman, M. (2019). Factors impacting bone remineralization in children with through knee amputation. . *The Federation of American Society of Experimental Biology Journal*, 33(1) No. 1 Supplement. https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.452.18

Raynes, E. A., Glymph, K., Agazuma, K., Coker, K., Michaels, N., Menchavez, M., & Raynes, J. (2018). Dengue Fever: The Next Global Killer. *The Federation of American Society of Experimental Biology Journal*, 32(1) No. 1 Supplement. https://www.fasebj.org/doi/10.1096/fasebj.2018.32.1_supplement.819.17

Johnson, A., Todd, T., Block, H., Preston, A., & **Raynes, E. A.** (2018). An examination of virtual reality interventions as a resource for the treatment of Phantom Limb Pain. *The Federation of American Society of Experimental Biology Journal*, 32(1) No. 1 Supplement. https://www.fasebj.org/doi/10.1096/fasebj.2018.32.1_supplement.878.2

Raynes, E. A., Glymph, K., Agazuma, K., Waller, L., Coker, K., Michaels, N., & Banting, I. (2017). Progeria: How much information do we know? *The Federation of American Society of Experimental Biology Journal*, 32(1) No. 1 Supplement. http://m.fasebj.org/content/31/1_Supplement/1058.3.short

Agazuma, K., Bachman, K., Cox, L., Keyes, E., Venkatarman, M., & **Raynes, E. A.** (2017). Multidimensional factors affecting functional outcomes after amputation. *The Federation of American Society of Experimental Biology Journal*, 31(1) No. 1 Supplement. https://www.fasebj.org/doi/10.1096/fasebj.31.1_supplement.1020.19

Michaels, N., Barredo, R., **Raynes, E.**, Edmondson, D., & Kunnu, E. (2016). A diagnostic tool to predict performance on high stakes multiple choice tests: An attempt to recognize potential discrepancies due to diversity before the test is taken. *Journal of Interdisciplinary Education*, 15(1), 51-68

Waller, L, Donaldson, M., Giese, T., Fleming, M., Peterson, C. & **Raynes, E. A.** (2016). Do compression garments improve healing among runners with acute overuse injuries of the lower extremities? *The Federation of American Society of Experimental Biology Journal*, 30(1) No. 1 Supplement. https://www.fasebj.org/doi/10.1096/fasebj.30.1_supplement.1288.24

Baker, J., Tucker, D., **Raynes, E. A.**, Aitken, F., & Allen, P. (2015). Relationship between student selection criteria and learner success for medical dosimetry students. *Medical Dosimetry*. doi:10.1016/j.meddos.2015.08.006.

Stover, A., Smith, C., Maloney, J., Mitchell, C., Michaels, N., Jones, T., & **Raynes, E. A.** (2015). Aquatic exercise for pain reduction in the active adult with osteoarthritis. *The Journal of Aquatic Physical Therapy*, 23(2), 13-19.

Hill, M., McAuliffe, K., Watkins, P., Wheeler, P., & **Raynes, E. A.** (2015). The underwater treadmill as a physical therapy intervention for children with cerebral palsy. *Journal of Student Physical Therapy*. In Review.

Pinner, A., Robbins, B., Thompson, W., Vaughn, J., Walter, T., & **Raynes, E.** (2013). Task specific motor training on children born with fetal alcohol syndrome. *Journal of National Society of Allied Health*, 11(1), 72-82.

Raynes, E. A., Barredo, R., Kunnu, E., Housel, N., and O'Connell Jr., R. (2010). Should immunization be a public health mandate or an individual choice? *International Journal of Social Health Information Management*, 3(4), 44-49.

Raynes, E. A., Barredo, R., Housel, N., Pitt, R., O'Connell, R. and Kunnu, E. (2009). The Ethical Issue of Scientific Research in Developing Countries: Focus on Informed Consent. *International Journal of Social Health Information Management*, 2(2), 48-53.

Raynes, E. A. (2008). Childhood obesity: How much information do we know? *Journal of National Society of Allied Health*, 5(6), 66-71.

SELECTED INVITED PRESENTATIONS, SYMPOSIA, & ROUNDTABLES

Barredo, R., Wenger, K., & **Raynes, E. A.** (2014). Perspectives and advice: Words of wisdom from graduating to incoming doctoral physical therapy students. Presented in Denver, Colorado. American Evaluation Association Annual Convention.

Raynes, E. A. (2009). Cultural differences in knowledge, attitudes, and practices toward tuberculosis among healthcare providers. 4th Annual Texas Conference on Health Disparities: Targeting Health Disparities Through Prevention. University of North Texas Health Science Center at Fort Worth, Texas, May 2009.

GRANT ACTIVITY

Hui, D..... **Raynes, E.** (2016). \$370, 953 (submitted, funded for three years) **Targeted infusion project: Academic enhancement of biology, ecology, and environmental sciences programs at Tennessee State University**. National Science Foundation. **Grant evaluator**.

Zhou, S..... **Raynes, E. A.** (2017). **Targeted Infusion Project: Integrating a Genomics, Transcriptomics, Proteomics (GTPomics) Practicum into STEM programs at Tennessee State University**. National Science Foundation. **Grant Evaluator**. Submitted. Unfunded

Raynes, E. A. (2009). \$25,000.00 [submitted, unfunded]. **Cultural differences in knowledge, attitudes, and practices toward tuberculosis among healthcare providers**. University of North Texas Health Sciences Center at Fort Worth, Texas, May 2009.

Housel N, Barredo R, Edmondson D, **Raynes E. A.**, Kunnu E (2008 to 2009) - \$100,000.00 [submitted, unfunded] **Language Variation in Multiple-Choice Testing of Students in a Doctoral Physical Therapist Program** Tennessee Board of Regents