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Physical Therapy  
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## Area of Expertise

Dr. Quiben's current areas of interest are in aging health and wellness, outcome measures, and frailty. She collaborates with internal and external faculty on aging research. Her current scholarly inquiry includes: functional performance in healthy and frail older adults; falls; effects of specific geriatric syndromes and neurologic pathologies on movement; geriatric health and wellness; and interprofessional collaboration and simulation.

## Qualifications

DPT, University of Central Arkansas  
PhD in Physical Therapy, University of Central Arkansas  
MS in Clinical Investigation, University of Texas at San Antonio  
BS in Physical Therapy, University of the Philippines

## Publications

### **Distinguishing Comorbidity, Disability, and Frailty**

Espinoza, S. E., Quiben, M. C. & Hazuda, H. P., 1 Dec 2018, In : Current Geriatrics Reports. 7, 4, p. 201-209 9 p.

### **White Paper: Movement System Diagnoses in Neurologic Physical Therapy**

Hedman, L. D., Quinn, L., Gill-Body, K., Brown, D. A., Quiben, M. C., Riley, N. & Scheets, P. L., 1 Apr 2018, In : Journal of Neurologic Physical Therapy. 42, 2, p. 110-117 8 p.

### **Differences in the limits of stability between older rolling walker users and older single-tip-cane users — a preliminary study**

Liu, H., Quiben, M. C., Holmes, C., Connors, M. J. & Salem, Y., 1 Mar 2017, In : Rehabilitation Nursing. 42, 2, p. 109-116 8 p.

### **Factors contributing to 50-ft walking speed and observed ethnic differences in older community-dwelling Mexican Americans and European Americans**

Quiben, M. C. & Hazuda, H. P., 1 Jan 2015, In : Physical Therapy. 95, 6, p. 871-883 13 p.

### **Comparison of two exercise programs using the falls efficacy scale, berg balance scale and ankle dorsiflexor strength in older adults**

Liu, H., Rainey, J., Zabel, R., Quiben, M. C., Kehayov, A. & Boswell, J. K., 9 Oct 2007, In : Physical and Occupational Therapy in Geriatrics. 26, 2, p. 23-42 20 p.

### **Multivariate analysis of stroke rehabilitation outcomes a pilot study in a Chinese population**

Chen, J., Liu, H., Li, Z. & Quiben, M. C., 19 Apr 2006, In : Physical and Occupational Therapy in Geriatrics. 24, 4, p. 1-14 14 p.

## Sponsored Projects

### **Correlation between Gait Characteristics and Frailty in Community-dwelling Older Adults**

Quiben, M.  
Texas Physical Therapy Foundation  
1/08/14 → 5/11/15

**Effect of Combined Whole Body Vibration Therapy with Therapeutic Exercise for Patients with Multiple Sclerosis**

Liu, H. (., Holmes, V., Salem, Y., Camp, K. & Quiben, M.

Intramural Research(UNTHSC)

1/07/16 → 31/12/17

**Effects of OMT on Gait Kinematics and Postural Control in Parkinson Disease**

Hensel, K., Patterson, R., Bugnariu, N., Mason, D., Seals, R. & Quiben, M.

American Osteopathic Association

1/09/16 → 31/08/18

**Reliability and Accuracy of Measurements of Balance Gear in Young and Older Subjects**

Liu, H. (., Salem, Y., Arguello, E. & Quiben, M.

Alexandave Industries

27/06/16 → 27/01/17