

## **CURRICULUM VITAE**

**Lori M. Walton, Ph.D., DPT, MSc.PT, MPH(s), CVCT, CNPC, CLT, ACCE**

**Tenured Professor**

**The University of Scranton**

**Department of Physical Therapy**

**Leahy College of Health Sciences**

### **Contact Information**

**Email: lori.walton@scranton.edu**

### **Education:**

Nova Southeastern University, USA

Doctor of Philosophy in Physical Therapy (PhD)

(Neurology/Women's Health Concentration & Dissertation)

*"Impact and incidence of maternal co-morbidities on Health-Related Quality of Life (HRQoL) and Cognitive and Physical Health Outcomes for postpartum Bangladeshi Women: Comparison by Birth Mode"*

Creighton University, USA

Doctor of Physical Therapy, (DPT)

(Neurology Concentration & Thesis)

*"Risk of Falls and Neurologic Symptoms in Patients with Fibromyalgia"*

Johns Hopkins School of Public Health, USA

Master of Public Health (50 Credits Completed)

(Global Health Concentration)

Andrews University, USA

Master of Science in Physical Therapy (MSc. PT)

(Pediatric/Neurology Concentration & Thesis)

*"Effects of Twister Cables compared to Hip-Knee-Ankle-Foot Orthosis (HKAFO) on Kinematic Gait and Electromyographic Activity for Children with Myelomeningocele (Spina Bifida) Utilizing Motion Analysis and EMG"*

Andrews University, USA

Bachelor of Science in Anatomy & Physiology (BSc. PT)

### **Physical Therapist Licensure Information/Registration Number:**

Pennsylvania (License #PT 029190)(Active)

New York (License #040312)(Active)

Illinois (License #070021446)(Active)

Michigan (License #5501016099)(Active)

Missouri (License #2019034672)(Active)

Kansas (License #11-082869) (Active)

### **Employment and Positions Held:**

**Professor of Physical Therapy**

Doctor of Physical Therapy Program

*Teaching & Research Role: Pediatrics, Neuroscience, Neurology, Vestibular PT, Diagnosis in Physical Therapy, Women's Health/Pelvic Health, Psychosocial Issues; PI for externally grant funded community-based health program for vulnerable populations of women and children; Supervisor for faculty-led doctoral level student and faculty research groups*

University of Scranton,  
Pennsylvania, USA, Fall 2020-current.

**Associate Professor of Physical Therapy**

MSc.PT/BSc.PT/Developing DPT/PhD Physical Therapy Programs

*Teaching, Research, & Curriculum Design Role: Neuroscience, Neurology, Pediatrics & Obstetrics/Gynecology/Women's Health PT, Research Design, Motor Control & Motor Learning.*

*Designed and Proposed DPT & MSc.PT Curriculum adopted by University of Sharjah in 2018-2019.*

University of Sharjah  
University City, Sharjah, UAE, Fall 2017-Spring 2020.

**Associate Professor of Physical Therapy**

Doctor of Physical Therapy Program

*Teaching & Research Role: Neuroscience, Women's Health PT, Ethics, & Social Determinants of Health*

State University of New York (SUNY) Upstate Medical University  
Syracuse, NY, USA, 2016-2017.

**Professor of Physical Therapy, Director of Research & Statistics for Entry level Doctor of Physical Therapy (DPT) and Advanced Doctoral Program (DSc.PT)**

Doctor of Physical Therapy Program

*Administrative, Teaching, & Research Role: Director of all Physical Therapy Faculty & Student Research- Resource and budget allocations, doctoral research and thesis supervision and faculty research supervision and guidance, grant review committee for university, taught research methods, intermediate and advanced for doctoral level students and advanced doctoral students in Health Professions, intermediate and advanced biostatistics and research for DPT & DSc.PT Programs, assisted in teaching neurology and taught all modules of women's health/pelvic health courses throughout the curriculum.*

Andrews University, Berrien Springs, Michigan, 2012-2016.

**Associate Professor & Chair of Developing DPT Program**

Doctor of Physical Therapy Program

*Teaching, Research & Administrative Role: Fully developed a new DPT program, hiring of faculty, resource and budget allocations, IRB, taught bioethics, statistics, and developed full coursework for neurology, musculoskeletal, cardiopulmonary, integumentary, therapeutic exercise and modalities, and all core courses for DPT Program, completed full accreditation document and on-site visit from CAPTE to oversee the full accreditation of the program.*

Indiana State University

Terre Haute, Indiana, USA, 2010-2012.

(Explain in Overlap: Permission from both universities were obtained to work on the development of accreditation documents and program development at ISU, while finishing onsite teaching and other administrative work at Washburn University, with one year overlap November 2010-2011.)

**Chair/Program Director/Assistant Professor**

Physical Therapist Assistant Program

*Administration, Accreditation, Course Development and Teaching in Neurology, Women's Health, Cardiopulmonary PT, Pathophysiology, Kinesiology, Therapeutic Exercise, Biomechanics, & Orthopedic Physical Therapy. Our program received full 10-year accreditation from my leadership and document submission to CAPTE for our PTA program. Developed and taught 17 new courses, recreated the curriculum to update course content, objectives, and threads in preparation for accreditation visit. Management of physical therapist assistant program, including oversight for Director of Clinical Education, adjunct faculty, accreditation, program, faculty, and student assessment, budget, marketing, and all related admissions and recruitment.*

Washburn University  
Topeka, KS, 2006-2011.

**Public Health, Community Health and Physical Therapist Directorship, Supervision Development and Contemporary Clinical Practice**

**Encore (Early Intervention) Rehabilitation (2022-Current)**

- 8+ hours per week direct physical therapy evaluation and management of early intervention clients in Northeast Pennsylvania
- Pediatric, early intervention (0-3 years of age), patients with a variety of orthopedic and neurologic diagnosis and developmental delay
- PT Service to the most vulnerable communities

**Bangor School District Contract Physical Therapist (2022-2023)**

- 6+ hours per week direct physical therapy evaluation and management of students in Bangor School District, Bangor, Pennsylvania via Austill's Physical Therapy Services
- Pediatric patients with a variety of neurologic and orthopedic diagnosis
- PT Service to the Elementary, Middle, and High School

**Edward Leahy Pro Bono Clinic (2020-Spring 2023)**

- Supervised and practiced 1-2 times per month (4-8 hours) in the Edward Leahy Pro Bono Physical Therapy Clinic
- Developed and directed public health education programs for vulnerable populations in the local community, including local, regional, and global refugee health programs
- Wrote and received grant money for funding of refugee health programs in the local region
- Directed and Developed Refugee health education programs in Scranton, Pennsylvania, in Syracuse, New York, and in Bangladesh

**Bangladeshi Health Professions Institute and Center for Rehab of the Paralyzed (2009-current, practice during summers & distance clinical and academic consultation)**

Pro bono health education and clinical practice at Bangladeshi Health Professions Institute (BHPI), Center for Rehabilitation of the Paralyzed in Bangladesh (Once per year, 4-6 weeks, full time *pro bono* work teaching and consultation of patient cases in neurology, pediatrics, and women's health)

**Pro-care Physical Therapy, Lawrence, Kansas (2021 Summer Contract/Pediatrics)**

Summer 2021 (10-15 hours per week)

*Pediatric Physical Therapy*

**United Arab Emirates (Dubai & Sharjah) (2017-2020)**

Supervised and directed students in hospitals and clinics across the UAE

(Dubai Hospital, Rashid Hospital, Latifa Hospital for Women and Children, Al Qassimi Hospital for Women and Children, University Hospital Sharjah, Al-Kuwaiti Hospital, Neuro Spine Institute, Al-Bahra Hospital)

*Neurology, Pediatrics, Obstetrics, Gynecology*

**Andrews University and State University of New York (SUNY Upstate Medical University)**

2012-2017

Women's Health, Neurology, Pediatrics, musculoskeletal clinical practice upheld through pro bono work in community and private faculty practice at Andrews University, SUNY Upstate Medical University

**St. Elizabeth's Franciscan Alliance Hospital**

West Lafayette, Indiana, 2010- 2012

*Outpatient Ortho/Neuro & Women's Health (including OBGYN) Physical Therapist*

**St. Francis Health Center**

**Topeka, Kansas, 2000-2006**

*Outpatient, Inpatient, Women's Health, Neuro and Orthopedics*

**St. Francis Marian Clinic for the Underserved (Sisters of Providence Facility)**

Topeka, Kansas, 2006 -2010

*Pro bono work (4-6 hours) once a week in outpatient orthopedics and neurology, pediatrics, women's health for underserved populations, primarily Spanish Speaking Immigrant Families without access to health insurance (including OB/GYN)*

**CEO/Owner Private Practice Women's Health Therapies, LLC**

Topeka, Kansas, 2000-2004

*Pediatrics and Women's Health, Ortho and Neuro, & School System Pediatric PT Practice*

**Oregon Health Science University Hospital (Part Time)**

Portland, Oregon, 1995 - 1999

*Outpatient/Inpatient Neurologic and Orthopedic Rehabilitation (Pediatric and Adult Neurologic Rare Diagnosis)*

**Providence Medical Center**

Portland, Oregon, 1998-1999

*Outpatient Orthopedics, Women's Health (Lead PT), Adult Neuro & Pediatrics*

**Southwest Washington Medical Center**

Vancouver, Washington, 1996 -1998

*Outpatient/Inpatient Physical Therapy, Women's Health Program Founder & Director & Pediatric/Neuro PT*

**Physical Therapy Associates**

Seattle, Washington, 1995-1996.

*Staff Physical Therapist, Sports Medicine, Outpatient Sports Medicine Physical Therapy Physical Therapist for Professional Tennis Team Tournament & College Level Athletes*

**Certifications:**

Human Anatomy Gould Graduate Certificate, currently enrolled (expected by May 2025)  
Trauma-Informed Practitioner Certification, 2024  
Early Intervention, Family Guided Routines Certification, 2024  
Comprehensive Vestibular Rehabilitation Certification, 2024  
Conflict Resolution Certificate, Summer 2024  
Jesuit Refugee Services, Community-Based Companion Volunteer Certificate for the Caminar Contigo  
Migrant Accompaniment Network, 2023-current  
Deep Trauma Release Certificate, 2023-2024  
Trauma Care, Level I, II, and III through Luzerne-Wyoming Counties, 2022  
Trauma Care and Gender Based Violence Training Certificate, Hope Recovery Center, 2021  
Advanced Certification in Teaching and Learning Methodology, London, UK 2018-2019  
Mulligan Lower Extremity Certification, 2019, India  
Dry Needling Level I and II Advanced Certification, 2015-Present, USA  
Certified Lymphedema Therapist, 2012-Present, USA  
Certified Medical Exercise Therapist, 2014-Present, USA  
Advanced Certification in Clinical Education CI Training, 2010-Present, USA  
Completed Advanced Training in Prenatal and Postpartum, 2012-Current, USA and UK  
Completed Level I-III in Pelvic Floor Women's Health, 2009- Current, USA  
Completed Advanced Training in Women's Health Trauma, 2017-current, USA  
Enrolled Certificate in Global Health and Maternal and Fetal Health- Johns Hopkins University-current  
Certificate in NIH Grant Writing, USA  
Certificate for Human Research Protections (IRB) OHRP, USA  
Completed NAIOMT Training, Level I-III, USA

**Current Teaching Responsibilities:**

**University of Scranton**

***Fall 2024***

PT 707/707L Applied Clinical Neuroscience for Physical Therapists (Lecture & Lab)  
PT 722L Rehabilitation II for PT – Women's & Pelvic Health (Obstetrics/Gynecology/Pelvic Health)  
PT 743 Psychosocial Aspects of Disability in PT  
PT 754 Diagnosis in PT  
PT 773 Scientific Inquiry in PT (Research Group)

***Spring 2025***

PT 711 Neurological PT I  
PT 721L Rehabilitation I – Vestibular Rehabilitation Module  
PT 703L Advanced Patient Management  
PT 712 Pediatric Physical Therapy

**Honors and Awards:**

***Excellence in International Research and Service Award, Riphah International University, Fall 2023***

***Women of Vision & Courage Award, University of Scranton, Spring 2023***

***Global Health & Social Responsibility Research Award, CSM, San Diego 2023 (Research Poster)***

***Ellacuria Interim Director (2023) & Advisory Board Member, University of Scranton, 2022-2023***

***Ignatian Collegiate Program (ICP), Nominated for 15<sup>th</sup> Cohort, Deferred to 16<sup>th</sup> Cohort 2022-2023.***

**Provost Award, Integrating Mission and Justice into the Curriculum, University of Scranton, 2021**

**Global Impact Recognition Award for Women's Health Refugee Research** Presented at CSM 2022 in San Antonio Texas.

**Dean's Scholarship, MPH Program, Johns Hopkins University Bloomberg School of Public Health**

**Beta Delta, International Scholar Honor Society, 2010 to present**

**Global Research in Physical Therapy Award** at Combined Sections Meeting, 2015, for research on Physical Therapist's Role in Screening for Intimate Partner Violence in Vulnerable Populations of Women

**Graduate Chair Research Status Appointment** by Dean of School of Health Professions, Andrews University, 2014.

**Accepted to Education Leadership Institute, American Physical Therapy Association, 2012.**

**Peer-Reviewed Publications:**

**Walton LM**, Hakim RM, Schwartz JJ, Raigangar VL, Futrell SMN, Zaheed N (2024). Nepali Translation and Validity Study of the Cohen-Hoberman Inventory of Physical Symptoms for Bhutanese Refugees, *Family and Community Health*, 1-8.

**Walton LM** (2024). Gender Issues in Trauma-Informed Physical Therapy. *Journal of Women's and Pelvic Health Physical Therapy*, 48(1), 1-5. <https://journals.lww.com/jwphpt/pages/currenttoc.aspx>.

Saleh E, **Walton LM**, Raigangar V, & Kim M (2023). The association between diastasis recti abdominis and pelvic floor dysfunction, sacroiliac joint dysfunction, and quality of life among postpartum women after Cesarean Delivery. *Physikalische Medizin Rehabilitationmedizin Kurotmedzin*. Accepted October 16, 2022. Forthcoming publication, October 2022.

**Walton LM**, Hakim R, Raigangar V, Schwartz J Ummul Ambia SJM, Zaheed N, Schbley B (2022). Community Based Rehabilitation Programs for Resettled Muslim Women Refugees. *Journal of Health Ethics*, 18(1). <https://aquila.usm.edu/ojhe/vol18/iss1/6/>

Hossain MA, Shafin R, Ahmed MS, Rana MS, **Walton LM**, Raigangar et al (2022). Health Related quality of life and coping strategies adopted by COVID-19 survivors: A nationwide cross-sectional study in Bangladesh. *PLOS One* 17 (11), e0277694.

Al-Zaabi A, **Walton LM**, Arumugam A (2022). Association between demographic characteristics, lower limb range of motion, functional performance, ability to dual task, quality of life and risk of falls in older adults of the United Arab Emirates - A cross-sectional study. *Heliyon*. 8(2).

<https://www.sciencedirect.com/science/article/pii/S2405844022001578>.

Moustafa I.M., Shousha, T.M., **Walton, L.M.**, Raigangar, V., & Deed E Harrison (2022). Reduction of thoracic hyper-kyphosis improves short and long term outcomes in patients with Chronic nonspecific neck pain: A randomized-controlled trial. *Journal of Clinical Medicine*, 11(20) (ISSN 2077-0383), <https://www.mdpi.com/2077-0383/11/20/6028>.

Alketbi A, Basit S, Hamza N, **Walton LM**, Moustafa IM. The added value of cognition-targeted exercise versus symptom-targeted exercise for multiple sclerosis fatigue: A randomized controlled pilot trial. *PLoS One*. 2021 Nov 8;16(11):e0258752. doi: 10.1371/journal.pone.0258752. PMID: 34748549; PMCID: PMC8575272. <https://pubmed.ncbi.nlm.nih.gov/34748549/>

Mohammad A Hossain, KMA. Hossain, Mohamad Sakel, Md. Kabir, K Saunders, Rafed Faruqui, Mohammad S. Hossain, Zakir Uddin, **Lori M Walton**, Rubavet Shafin, Sonjit K Chakrovorty, Iqbal K. Jahid (2021). Knowledge, Attitudes, Behavioral Practices and Psychological Impact Relating to COVID-19 Among People Living with Spinal Cord Injury during Inpatient Rehabilitation in Bangladesh. *Frontiers in Neurology*. <https://www.frontiersin.org/articles/10.3389/fneur.2021.739354/abstract>.

FZ Aldhuhoori, **LM Walton**, KC Bairappaareddy, SK Amaravadi (2021). Physiotherapy Practice for Management of Patients Undergoing Upper Abdominal Surgery in United Arab Emirates- A National Survey. *Journal of Multidisciplinary Healthcare*. 2021.2513-2526. <https://pubmed.ncbi.nlm.nih.gov/34548794/>

Saleh, EA, **Walton LM**, Kim M, Raigangar V (2022). Predictive Association of Diastasis Recti on Pelvic Floor Dysfunction and Sacroiliac Dysfunction and Health Related Quality of Life in the Chronic Postpartum Period. *Journal of Women's Health Physical Therapy*, Published Abstract.

Hossain MA, Hossain KMA, Saunders K, Uddin Z, **Walton LM**, et al. (2021). Prevalence of Long COVID symptoms in Bangladesh: a prospective Inception Cohort Study of COVID-19 survivors. *BMJ Global Health* 2021;6:e006838. <https://gh.bmj.com/content/6/12/e006838>.

Moustafa IM, Ahbouch A, Palakkottuparambil F, **Walton LM** (2021). Optimal Duration of Stretching of the Hamstring Muscle Group in Older Adults: A Randomized Controlled Trial. *European Journal of Physical & Rehabilitation Medicine*. May 18. doi:10.23736/S1973-9087.21.06731-9. PMID: 34002974. <https://pubmed.ncbi.nlm.nih.gov/34002974/>.

Hossain MA, Jaahid IK, Hossain MF, Uddin Z, Kabir MF, Hossain KM, **Walton LM** (2021). Efficacy of McKenzie Manipulative Therapy on Pain, Functional Activity and Disability for Lumbar Disc Herniation. *The Open Sports Sciences Journal*, 14, 14-24. DOI:10.2174/1875399X02114010014. <https://opensportssciencesjournal.com/VOLUME/14/PAGE/14/ABSTRACT/>

Hossain KM, Saunders K, Sakel M, **Walton LM**, Raigangar V, et al (2021). Coping with COVID-19 Pandemic: A Population-Based Study in Bangladesh. *medRxiv*. doi: <https://doi.org/10.1101/2021.03.30.21254632>.

Hossain MA, Jahid MK, Hossain KM, **Walton LM**, Uddin Z, et al (2021). Knowledge, Attitudes, and Fear of COVID-19 During the Rapid Rise Period in Bangladesh. *PLoS One*, 15(9), e0239646. Re-published in 2021 with Recognition in World Health Organization Global Literature on Coronavirus (WHO). <https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0239646&fbclid=IwAR1DP9zSxIO5-WHR8ekHKaTv9ZSVWRM4CBzPG9pFGERHUQb21IGp9GyXgNI>

Hossain KM, **Walton LM**, Arafat SM Y, Maybee N, Sarker RH, Ahmed S, Kabir F (2020). Expulsion from the Motherland: Association between Depression & Health Related Quality of Life for Rohingya Living with Refugee Status in Bangladesh. *Clinical Practice and Epidemiology in Mental Health*, 16, 46-52. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7254817/>

Bitar, D., **Walton LM** (2020). Differences in Dual Task Paradigms and Executive Function Ability for Recreational Athletes in the United Arab Emirates". Journal of Physical Therapy Science, November 2020, 1-8. <https://pubmed.ncbi.nlm.nih.gov/33281283/>.

**Walton LM**, Raigangar V, Abraham S, Hernandez M, Krivak G, Buddy C, Caceras R, (2019). The effect of an 8-week nutrition and exercise program on pelvic pain (PFDI), incontinence (IIQ-7), health related quality of life (SF-36),breastfeeding patterns and nutritional intake for prenatal and postpartum women: A bilingual study in Spanish and English. April 2019, Physiotherapy Research International. <https://pubmed.ncbi.nlm.nih.gov/31038256/>. <https://onlinelibrary.wiley.com/doi/full/10.1002/pri.1780>

Bani-Issa W., Dennis CL, Brown HK, **Walton LM**, Ibrahim A, AlShujairi A, Almomani F. (2019). The Influence of Parents and Schools on Adolescents' Perceived Diet and Exercise Self-Efficacy: A School-Based Sample from the United Arab Emirates. Journal of Transcultural Nursing, <https://doi.org/10.1177/1043659619876686>

**Walton L** (2018). The Effects of Bias Based Bullying on health, education, and cognitive-social-emotional outcomes in children with minority backgrounds: Comprehensive Public Health Intervention Solutions. Journal of Immigrant and Minority Health. Apr;20(2):492-496. doi: 10.1007/s10903-017-0547-y. <https://link.springer.com/article/10.1007/s10903-017-0547-y>

**Walton LM**, Asumbrado R, Behrens MA, and Machamer L (2018). Relationship between Nutrition (REAP), Exercise (VSAQ) and Premenstrual Syndrome Severity (PSST). Correlational, cross-sectional, purposive sample of 75 females ages 18-55. Journal of Physiotherapy and Physical Rehabilitation, June 3(1).<https://www.hilarispublisher.com/open-access/relationship-between-nutrition-reap-exercise-vsqaq-and-stress-onpremenstrual-syndrome-severity-psst-correlation-crosssectionpurposi-2573-0312-1000158.pdf>

**Walton L** (2018). Health and Human Rights of Syrian Refugee Women and Children: UN Convention on Refugees Revisited. Journal of Health Ethics, 14(2). <https://aquila.usm.edu/ojhe/vol14/iss1/4/>

Pierce C., **Walton LM**, Oakley E, Caceras R, Sadow H, Yoder K (2018). Playing-related musculoskeletal pain among college-level music students before and after an informative lecture by a physical therapist. Orthopedic Physical Therapy Practice, November 2018.

**Walton L**, Schbley B, Muvuti F, Milliner, S, & Zaaeed N (2017). Investigating the Validity and Reliability of a Newly Developed Screening Tool for Intimate Partner Violence: Utilization in Physical Therapy Practice. International Journal of Physical Medicine and Rehabilitation. <https://www.longdom.org/open-access/investigating-the-reliability-and-validity-of-a-newly-developed-intimate-partnerviolence-screening-tool-for-use-in-physical-therap-2329-9096-1000422.pdf>

**Walton L**, Costa A, LaVanture D, McIlrath S, & Stebbins B (2016). The Effects of a 6 Week Core Stability Exercise Program Compared to a Traditional Abdominal Strengthening Program on Diastasis Recti Abdominis Closure, Pain, Oswestry disability Index and Pelvic Floor Disability Index Scores (PFDI), Journal of Physical Therapy and Rehabilitation, March, 2016. <https://www.hoajonline.com/phystherrehabil/2055-2386/3/3>

Colgrove YM, **Walton LM**, & VanHoose DL (2015). The Effects of Intraprofessional Collaborative Case-Based Learning: A Cohort Study of Student Physical Therapist and Physical Therapist Assistant Perceptions of the Physical Therapist Assistant's Role. Journal of Interprofessional Education and Practice. 5(1): 24-35. <https://jripe.org/index.php/journal/article/view/185>

**Walton, L.**, Ambia, J, Parvin, R, Schbley, B (2014). Incidence and Impact of Urinary Incontinence, Pelvic Pain, and other Co-morbidities on health related quality of life for postpartum women living in rural Bangladesh.

International Journal of Maternal and Child Health, 2(2): 86-100.

<https://digitalcommons.andrews.edu/cgi/viewcontent.cgi?article=1007&context=pt-pubs>

**Walton LM**, Asumbrado R, Behrens MA, and Machamer L (2018). Relationship between Nutrition (REAP), Exercise (VSAQ) and Premenstrual Syndrome Severity (PSST). Correlational, cross-sectional, purposive sample of 75 females ages 18-55. Journal of Physical Therapy & Physical Therapy Rehabilitation, June 3(1).

**Walton, L.**, Akram, F, & Hossain, F (2014). Health Beliefs, Attitudes, and Perceptions of Muslim Women Living in the United States and Implications for Health Care Providers, Journal of Health Ethics, 10(2): 1-27.

**Walton, L.**, Abreu, C, Jeffus, E, Trautwein, A, & Xavier, S (2014). Pelvic Pain, Pelvic Organ Prolapse, Urinary and Colorectal Distress Impact and Relationship to Quality of Life and Birth Mode, Journal of Physical Therapy and Rehabilitation, 10(2), December 2014.

Al-Jarrah, M, Batainch, Z, Obaidar, H, **Walton, L** (2013). Endurance exercise training protects against the upregulation of nitric oxide in the striatum of MPTP/probenecid mouse model of Parkinson's Disease. Neurorehabilitation, 32(1): 141-147.

**Walton, L.**, Schbley, B (2013). Gender Equity Theory and Maternal Mortality and Morbidity in Bangladesh. Journal of Health Ethics, 9(1), 1-10.

**Walton, L.**, Scbhley, B (2013). Cultural Barriers to Maternal Health Care in Bangladesh. Journal of Health Ethics, 9(1), 1-12.

**Walton, L.**, Schbley, B (2012). Socio-economic Barriers to Maternal Health Care in Bangladesh. Indian Journal of Physical Therapy and Occupational Therapy, 6(3), 162-172.

**Walton, L.**, Brown-Cross (2012). Validity and Reliability of the Bengali IIQ-7 and SF-36 for Utilization in Postpartum Bangladeshi Women. Indian Journal of Physical Therapy and Occupational Therapy, 6(1), 51-62.

**Walton, L.** (2010) A Study on Legal and Ethical Issues of Health Care Practitioner Pro Bono Work, Journal of Health Ethics, Volume 6, number 2, December 2010.

**Walton, L.** (2009) Law and Ethics: Stem Cell Research (2010) Chapter 1: Ethics Analysis of Human Embryonic Stem Cell Research, Hyderabad, India.

**Walton, L.** (2008) Ethics Analysis of the Human Embryonic Stem Cell Research Debate, Journal of Health Ethics, Volume 2, 2008.

**Walton, L.** (2006) Studying the Risk of Falls in Patients with Fibromyalgia: Cover Story for Advance for Physical Therapists: October 26, 2006 17(23): 10.

#### **Book Publications:**

Walton LM (2018). Prenatal and Postpartum Physical Therapy Exercise Manual.

Walton L.M. (2016). Maternal Mortality and Morbidity in Bangladesh and Health Related Quality of Life: Problem Solving with Community Programs in Education and Research.

**Pending Publications/Submitted Manuscripts:**

**Walton L.**, Raigangar VL, Schwartz JJ, Zaaeed N, Schbley BH, Hakim RM et al (2024). Trauma (CTI), Physical Symptoms (CHIPS), Perceived Stress (PSS), Health-Related Quality of Life (HRQOL), and Physical Activity Behaviors (IPAQ-SF) in Resettled Bhutanese and Congolese Refugees. Pending Fall 2024 Submission to the Journal of Refugee Health.

**Peer Reviewed Scientific and Professional Presentations:**

Walton LM, George N, Kalberg M, LeMay J, Patullo S (2024). Physical Therapy vs. Complementary and Alternative Medicine Effects on Post-Episiotomy Pain: A Systematic Review. Accepted for CSM 2025 Platform Presentation, Section of Women's Health.

Walton LM, Bhatti A, Riaz H. (2024). Effects of Hypopressive Techniques on Postpartum Pain and Quality of Life: Randomized Controlled Trial. Accepted for CSM 2025 Platform Presentation, Section on Women's Health.

Riaz H, Walton LM, Kanwar S, Ejaz Z. Generalized versus Core Stabilization Antenatal Exercises for Lumbopelvic Pain in Pregnancy: Randomized Controlled Trial. Accepted for CSM 2025 Poster Presentation, Section on Women's Health.

Walton LM, Raigangar VL (2024). Environmental physiotherapy advocacy and awareness through creative arts with students from Pakistan, Bangladesh, USA and United Kingdom - University of Brighton and University of Scranton.

Walton LM, Long A, McDermott M, Turetzky B, Oshepkova V. (2024) Forced Displacement Trauma (FMT) and Impact on Physical and Mental Health Outcomes for Refugee Women: A Systematic Review. APTA-CSM 2024, Boston, MA. *Platform Presentation*, 1<sup>st</sup> Place Award for Global Social Responsibility.

Walton LM, Hakim RM, Schwartz JJ, Raigangar VL, Sitaula C, Zaaeed N, et al. (2024). Trauma, Physical Symptoms, Perceived Stress & Physical Activity Behaviors in Resettled Bhutanese and Congolese Refugees. APTA-CSM 2024, Boston, MA. *Poster Presentation*, 1<sup>st</sup> Place Award for Global Social Responsibility.

Walton LM, Thompson B, Torres S, Barcenas JP, Daly N (2024). Creative Movement Therapy Impact on Mental and Physical Health Outcomes for Refugees Living with Trauma. APTA-CSM, *Poster Presentation*, 1<sup>st</sup> Place Award for Global Social Responsibility

Walton LM, Hakim R, Schwartz J, Zaaeed N, Raigangar VL (2023). Validity of Cohen-Hoberman Inventory of Physical Symptoms in Nepali for Bhutanese Refugees. Combined Sections Meeting, San Diego, *Platform Presentation*.

Abrams B, Nally MC, Cardella A, Heimes AM, Rodio NJ, Walton LM (2023). Prenatal Lead Exposure and Health Outcomes Among Infants and Children in Bangladesh: A Systematic Review. Combined Sections Meeting, Received Global Health & Social Responsibility Award, *Poster Presentation*.

Walton LM et al (2021). Focused Symposium FS-WCPT-2021-00058. Optimizing Physical Therapy Services for People with Refugee or Migrant Experience. World Confederation for Physical Therapy.

Walton LM, Raigangar V, Khattab S, Waheed F, Zaaeed N (2021). Traumatic Life Experiences and Cognitive and Physical Health Outcomes for Postpartum Women Living with Low Economic Resources in Middle Eastern, North African (MENA) and South Asian Countries. *World Physical Therapy Congress 2021*, April 9-11.

Walton LM, Raigangar V, Naqashband, N., AlOthman, S., Azam, W., et al (2021). Physical Activity Relationship to Sleep Quality, Health Related Quality of Life (HRQoL) and Stress for Arab Women: A predictive correlation study. Combined Sections Meeting 2021. Pelvic Health Section: APTA.

Ross, M, Hakim, R, and Walton, LM (2021). *Combined Sections Meeting (CSM) 2021*. Optimizing Practice with Prevention and Health, Wellness, and Fitness Programs. Private Practice Section of the American Physical Therapy Association, CSM February 2021 (online format during the pandemic).

Sakel M, Nagpaul C, Rao M, Emmanuel A, Walton LM, Neumann D, et al. (2021). Evolving Trends in Vulnerabilities and Impact during COVID-19. *UK-USA Cross Specialty Research Team Live Presentation*. NHS East Kent Hospitals University- NHS Foundation Trust. March 5, 2021.

Walton LM (2021). Women's Health Physical Therapy: Evidence based Obstetrical Complex Case Evaluation and Management (3-hour presentation). *3<sup>rd</sup> International Conference on Rehabilitation Sciences*. Riphah International University, Lahore, Pakistan, May 27-30<sup>th</sup>, 2021.

Walton LM (2021). Impact of toxic stress on maternal and fetal cognitive and physical health outcomes and health related quality of life for global, vulnerable populations of women and children. *3<sup>rd</sup> International Conference on Rehabilitation Sciences*. Riphah International University, Lahore, Pakistan, May 27-30<sup>th</sup>, 2021.

Hossain MA, Hossain KM, Hossain Z, Kabir F, Walton LM et al (2021). Cardio-respiratory and Physical Functioning in Post-COVID Spinal Cord Injury Survivors: An Inception Cohort. International Virtual Conference on Inclusion of Physical Therapy Professionals in COVID-19 Acute Care & Long-COVID Rehabilitation, Bangladesh Institute of Health Professions, Savaar, Dhaka, Bangladesh

Hossain MA, Shafin R, Uddin Z, Walton LM, Raigangar V, et al. (2021). *Coping after COVID-19 infection: The Strategies and quality of life adapted by Bangladeshi COVID-19 affected people*. Virtual Conference on Inclusion of Physical Therapy Professionals in COVID-19 Acute Care & Long-COVID Rehabilitation, Bangladesh Institute of Health Professions, Savaar, Dhaka, Bangladesh.

Hossain MA, Uddin Z, Walton LM, Raigangar V, Hoque MA, et al. (2021). *Pain and its psychosocial impact toward functional status among patients, post-COVID-19*. Virtual Conference on Inclusion of Physical Therapy Professionals in COVID-19 Acute Care & Long-COVID Rehabilitation, Bangladesh Institute of Health Professions, Savaar, Dhaka, Bangladesh

Hossain MA, Uddin Z, Shahori A, Shafin R, Rana MS, Hossain KM, Walton, LM, Raigangar V, Hossain MS, et al (2021). *A Delphi-Based Consensus Statement: Recommendation for Physical Therapy Management and Rehabilitation of Long COVID-19 Symptoms Presented in Bangladeshi Cases*. Virtual Conference on Inclusion of Physical Therapy Professionals in COVID-19 Acute Care & Long-COVID Rehabilitation, Bangladesh Institute of Health Professions, Savaar, Dhaka, Bangladesh

Walton LM (2020). Impact of toxic stress on maternal and fetal cognitive and physical health outcomes and health related quality of life for global, vulnerable populations of women and children. Keynote Speaker, 3rd International Conference on Rehabilitation Sciences, Riphah International University, Lahore, Pakistan, (March2020- Postponed due to COVID-19).

Walton LM, Raigangar, V (2020). Neurobiological Adaptations to Modern Stress and Decreased Physical Activity Levels, ARTZT Symposium, January 2020, Montabaur,Germany.

Walton LM (2020). Evidence Based Women's Health Manual Physical Therapy, Bangladeshi Health Professions Institute, Savaar, Bangladesh, December 2019.

Walton LM, Raigangar, V (2019). Development of an Innovative Inventory for Musculoskeletal Pain and Perceived Stress (WIMPPS). Presented at the United Arab Emirates Ministry of Health and Prevention Innovation Conference, 2019.

Walton LM, Raigangar, V, Alghabra, N., Itani, R, et al. (2019). Development of a Clinical Prediction Rule for Non-specific Knee Pain. Presented at the University of Sharjah Research Forum.

Walton LM (2019), Raigangar, V., Schbley, B, Zaaeed, N (2019). Invited Chair and Speaker for World Congress Physical Therapy WCPT 2019, "Focused Symposium" on Toxic Stress, Trauma and Pain Management in Vulnerable Populations (competitive symposium), Geneva, Switzerland.

Walton LM (2018). Invited Speaker at the International Growth and Development Conference, Dubai, 2018. Toxic Stress effects on neurobiological and epigenetic changes and long term health outcomes for vulnerable populations of women and children.

Walton LM (2018). Invited Research Presentation at HOPE Foundation for Women and Children of Bangladesh, International Congress on Fistula and Fissure Repair, February 2018.

Walton LM (2017). Invited Keynote Speaker for the Bangladeshi Physical Therapy International Symposium, December 23, 2017, Impact of Disability on Women's Health Issues and Rehabilitation.

Walton LM (2016). 9th Interdisciplinary Congress on Low Back and Pelvic Girdle Pain. Singapore, October 31-November 3, 2016 (Accepted Presentations Listed Below 1-3)

Walton LM (2016). The Effects of a 6 Week Core Stability Exercise Program Compared to a Traditional Abdominal Strengthening Program on Diastasis Recti Abdominis Closure, Pain, Oswestry Disability Index (ODI) and Pelvic Floor Disability Index Scores (PFDI) (Oral Presentation).

Walton LM (2016). Chronic Pelvic Pain, Surgical Excision of Endometrioma, Iliohypogastric Nerve Entrapment, and Uterine Adhesions following Emergency Cesarean Section (Oral Presentation)

Walton LM (2015). Invited Speaker on Panel for Ethics and Cultural Implications for Muslim Women in Education, Health, and Society; Brighton, UK, 2015. (Panel Speaker)

Walton LM (2015). Invited Speaker to present research on "Body Area Sensor Networks and Implications for Rehabilitation and Physical Therapy Protocols", University of Ottawa, Canada, March 2015. (Invited Research Presentation: Dean of Computer Engineering)

Walton LM (2014). Invited Speaker for the Asian Spinal Cord Network Conference, BRAC-CDM, Khagon, Dhaka, Bangladesh, November 2014. (Keynote Speaker)

Walton LM (2014). Invited Speaker for the Annual Obstetric and Gynecologic Conference at Mirpur, Dhaka, Bangladesh, August 2014. (Keynote Speaker)

Walton LM (2015). World Confederation on Physical Therapy (WCPT) Conference. Incidence and Impact of Urinary Incontinence and Health Related Quality of Life for Postpartum Women, Singapore 2015. (Platform Presentation)

Walton LM (2014). Invited Speaker for Bangladeshi Health Professions Institute in Savar, Bangladesh, August 2014. Advanced obstetric and gynecologic physical therapy in community based programs to promote maternal health and quality of life. (Keynote Speaker)

Walton LM (2014). Invited Speaker for Hope Foundation for Women and Children of Bangladesh, Cox Bazaar, Bangladesh, August 2014. Post surgical morbidities, post surgical fistula & fissure rehabilitation, maternal health and quality of life. (Educational Session)

Walton LM (2013). 8th Interdisciplinary World Congress on pelvic and low back pain, October 2013, Accepted Presentation, Chronic Pelvic Pain, Surgical Excision of Endometrioma, Iliohypogastric Nerve Entrapment, and Uterine Adhesions following Emergency Caesarean Section, Dubai, UAE. (Poster Presentation)

Walton LM (2012). International Council on Women's Health Issues , Bangkok, Thailand, "Incidence and Impact of Maternal Morbidities and Mortality for Bangladeshi Women: Comparison by Birth Delivery Mode", November 14-16, 2012. (Poster Presentation)

Walton LM (2012). Invited Speaker Bangladeshi Health Professions Institute, "Obstetrics and Gynecological Physical Therapy: Maternal and Fetal Health and Wellness", May 14-17, 2012 (Educational Session)

Walton LM (2011). World Confederation on Physical Therapy, Asian Division Conference, Indian Physical Therapy Association, "Validity and Reliability of the SF-36 and IIQ-7 for Utilization in Postpartum Bangladeshi Women", Goa, India, December 2011 (Platform Presentation).

Walton LM (2011). Invited Speaker World Physical Therapy Day International Conference, Keynote Speaker, "Contemporary Physical Therapy Practice", Dhaka, Bangladesh, September 8, 2011 (Keynote Speaker)

Walton LM (2011). Bangladeshi Health Professions Institute, "Obstetrics in Physical Therapy", Invited Lecture to Faculty and Students, September 2011 (Educational Session).

Walton LM (2011). Invited Speaker Bangladeshi Health Professions Institute (Affiliated with Dhaka School of Medicine), "Effects of Caesarean Section vs Normal Vaginal Delivery on Quality of Life in Women Living in Bangladesh", September 2011 (Educational Session)

Walton LM (2011). International Conference on Regenerative Medicine and Stem Cell Research, December 2010, Shanghai, China, "Ethics Analysis of Human Embryonic Stem Cell Research Debate" (Platform Presentation)

Walton LM (2011). Bangladeshi Physical Therapy Association National Sports Medicine Symposium, "Physical Therapy and Sports Medicine Future Trends around the Globe" (Keynote Speaker)

Walton LM (2010). World Confederation on Physical Therapy, December 2009/January 2010, Mumbai, India, Research Presentation: “Risk of Falls in Patients with Fibromyalgia” (Poster Presentation)

*National*

Moustafa I, Shousha T, Walton LM, Raigangar V, Harrisson, D. (2020). Effects of a Sagittal Thoracic Posture-Corrective Orthosis Compared to Traditional Multimodal Rehabilitation Program on Health Outcomes for Subjects with Chronic Nonspecific Neck Pain: A Randomized-Controlled Trial. CSM, 2020, Denver, Colorado (Poster Presentation).

Walton LM, Raigangar, V, Kalsoom Naqashband N, Moustafa I, Gadgieva N, Wangde Qasim K, Basem Mahmoud Najjar O, Fady Mahfouz B (2020). Does Core Stability Predict Low Back, Sacro-Iliac and Pelvic Ring Dysfunction in Long Distance Runners? Combined Sections Meeting, Denver, Colorado. (Poster Presentation).

Walton LM, Abdulkarim M, AlAtrash A, Al Khaled S, Bitar D, Ebrahim M, Emad N (2018). Physical Activity Levels During Pregnancy and Prediction of Maternal Stress and Maternal Health Related Outcomes in Women Living in UAE. Accepted for Combined Sections Meeting (CSM), American Physical Therapy Association (APTA), (Platform “Noteworthy Research” Presentation), Washington DC, 2019.

Walton LM, Khattab S, Ali Pour N, Neyyer Z, Almuzzaini N, & Aldossarey N (2018). Prevalence and Impact of Pelvic Floor Dysfunction (PFDI), Pelvic and Low Back Pain (QBPDS) on Health Related Quality of Life (SF-12) and Maternal Health Outcomes for Postpartum Women Living in United Arab Emirates (UAE): by Mode of Birth Delivery", Combined Sections Meeting (CSM), American Physical Therapy Association (APTA), Poster Presentation, Washington DC, 2019.

Walton LM, Schbley B, Zaaeed N (2018). American Physical Therapy Association Combined Sections Meeting, New Orleans, LA, Effects of Toxic Stress on Maternal and Child Health Related Quality of Life, Chronic Disease, Fetal Development and Health Outcomes from Women and Children Living with Refugee Status in Lebanon, Jordan, Egypt, and USA, February 2018 (Research Presentation)

Walton LM, Schbley B, Zaaeed N. (2018). American Physical Therapy Association Combined Sections Meeting, New Orleans, LA, Effects of Toxic Stress on Refugee Health and Implications for Rehabilitation, 2018 (Educational Session Presentation (2 hours), Invited Speaker)

Walton LM (2014). Michigan Physical Therapy Association Educational Session Program, Obstetric Physical Therapy Outcomes by Birth Mode: Physical Therapy Evaluation and Intervention, Invited session, October 2014. (Educational Session)

Walton LM (2014). Michigan Physical Therapy Association Research Presentations, Validity and Reliability of a New Intimate Partner Violence Screening Tool for Physical Therapists, October 2014. (Poster Presentation)

Walton LM (2014). Michigan Physical Therapy Association Research Presentations, A Study on the Correlation between GRE Scores and NPTE Final Scores for entry level DPT Students, October 2014. (Platform Presentation)

Walton LM (2014). 3rd Annual National Symposium on Pelvic Pain, “Pelvic Pain, Pelvic Organ Prolapse, Colorectal Distress, and Health Related Quality of Life for Postpartum Women”, Chicago, Illinois, May 2014. (Platform Presentation)

Walton LM (2014). American Physical Therapy Association, CSM, 2014, Platform Presentation, “Incidence and Impact of Urinary Incontinence and morbidities on health related quality of life for postpartum women living in Bangladesh”, Las Vegas, USA. (Platform Presentation).

Walton LM (2014). American Physical Therapy Association, CSM, 2014, Platform Presentation, “Intimate Partner Violence Screening for Health Professionals: Systematic Review”, Las Vegas, USA. (Platform Presentation)

Walton LM (2013). American Physical Therapy Association, Annual Meeting American Physical Therapy Association, 2013, Poster Presentation, “Incidence and Impact of Urinary Incontinence and Pelvic Pain on Health Related Quality of Life for Women Living in Bangladesh, Salt Lake City, Utah. (Poster Presentation)

Walton LM (2013). Michigan Physical Therapy Association Fall Meeting, September 2013, Platform Presentation, “Maternal mortality and morbidity and impact on health related quality of life for postpartum women living in Bangladesh, Southfield, Michigan. (Platform Presentation)

Walton LM (2013). Combined Sections Meeting 2013. Study of Maternal Mortality and Morbidity in Postpartum women living in Bangladesh and Implications for Postpartum Programs in Physical Therapy: Comparison by Birth Mode (Educational Session Invited Speaker)

Walton LM (2013). Combined Sections Meeting, 2013. Cultural Barriers to Maternal Health in Bangladeshi Postpartum Women. (Poster Presentation)

Walton LM (2012). Combined Sections Meeting 2012, American Physical Therapy Association, “Validity and Reliability of Bangladesh Translated SF-36 and IIQ-7 on postpartum Bangladeshi Women”, Accepted Research Presentation (Poster Presentation)

Walton LM (2011). “Validity and Reliability of Bangladesh Translated SF-36 and IIQ-7 on postpartum Bangladeshi Women”, Kansas Physical Therapy Conference, Spring Research Poster 2011 (Poster Presentation)

Walton LM (2011). “Research Methods & Analysis of Current Statistical Analysis Programs”, Bangladeshi Health Professions Institute, 2010-11 (Educational Session)

Walton LM (2010). “Collaborative Teaching and the PT-PTA Relationship”, Education Leadership Conference, APTA, San Antonio, October 2010 (Invited Speaker)

Walton LM (2010). “Women’s Health Physical Therapy, Pelvic Pain & Lymphedema”, CRP, Dhaka, Bangladesh, Bangladesh Health Professions Institute, 2010 (Educational Session)

Walton LM (2010). “Evaluation of the Relationship Between First Time Pass Rates on the National Physical Therapy Examination and Scorebuilders and PEAT Comprehensive Practice Examinations, Kansas Physical Therapy Association Meeting, (Poster Presentation).

Walton LM (2008). “Health Beliefs of Muslim Women and Implications for Physical Therapy Evaluation and Treatment”, Kansas Physical Therapy Association Spring Conference, April 2008 (Poster Presentation).

Walton LM (2007). “Teaching and Assessing Cultural Competence in the Classroom” Brown Bag International Lecture Series, Washburn University, November, 2007 (invited Honors Presentation).

Walton LM (2007). "Clinical Decision Making Across Cultures: Practical Strategies for Exploring and Integrating Health Beliefs with Physical Therapy Practice", CSM, APTA, Boston, MA 2007 (Invited Educational Session Presentation).

Walton LM (2007). "Clinical Decision Making in Physical Therapy: Integrating Cultural Beliefs", Proseminar, Washburn University, 2007 (Invited Presentation). Walton LM (2007). "Studying the Risk of Falls in a Patient with Fibromyalgia" Poster Presentation, Kansas Physical Therapy Association Spring Conference, Wichita, KS, 2007 (Poster Presentation).

**Non-Peer Reviewed Publications:**

Ability, Not Disability: Physical Therapy Mobilizes Local Culture Toward Function In the Heart of Bangladesh, Advance for Physical Therapists, August 2010.

HR 3333 Minority Health Improvement and Health Disparity Elimination Act: Analysis and Implications for Patients and Providers, Social Science Research Network, November 2007.

**Non-Peer Reviewed Presentations:**

Walton LM (2023). Keynote Speaker at 4<sup>th</sup> International Rehabilitation Conference, ICRS, Women's Health Physical Therapy and Health Equity, Structural Violence, and Structural Competency Moving toward a Brighter Future, Lahore, Pakistan.

Walton LM (2023). Women's and Pelvic Health Physical Therapy: Obstetrics & Gynecology Level II (Intermediate), Riphah International Physical Therapy, Two Day Course in Islamabad, Pakistan 2023.

Walton LM & Riaz H (2022). Advanced Obstetrics 3-Day Course in Physical Therapy, Riphah International University, Islamabad, Pakistan, Invited, *Forthcoming, January 2023*.

Walton LM (2022). Obstetrics and Gyencologic Physical Therapy 3-Day Certification Course, Bangladesh Health Professions Institute & Bangladesh Physiotherapy Association, Dhaka, Bangladesh, June 2022.

Executive Function, Cognitive Flexibility and Dual Tasking in the Older Adult, Sharjah United Arab Emirates, Rehabilitation Conference, 2019.

Evidence Based, Women's Health Manual Therapy Evaluation and Interventions (2 Day Seminar: Continuing Education)(2019), Emirates Medical Association/Emirates Physical Therapy Association, Dubai, UAE.

Medical Exercise Prescription for Musculoskeletal and Neurologic Patients, Center for Rehabilitation of the Paralyzed and Bangladeshi Health Professions Institute, April 2018.

Musculoskeletal Physical Therapy Issues for Prenatal and Postpartum Women, Bangladeshi Health Professions Institute, April 2018.

Research and Biostatistics Seminar, Masters of Rehabilitation Science Program, BHPI, April 2018.

Lumbo-pelvic dysfunction Seminar, invited professional continuing education seminar for Bangladeshi Physical Therapy Association (BPA), April 2018.

Common Musculoskeletal Issues from Physical Therapy Perspective, Nursing Class at University of Sharjah, Spring 2018.

Motor Learning and Motor Control Theory, Neuroscience and Clinical Reasoning, Extra Resource Session for PT Students UOS, Spring 2018.

Obstetric & Gynecologic Physical Therapy: Level I & II, Bangladeshi Health Professions Institute, August 2014.

Introduction to Dry Needling for Physiotherapists. Bangladeshi Health Professions Institute, August 2014.

Exercise Prescriptions for Special Populations. Center for Rehabilitation of the Paralyzed, Savar, Dhaka, Bangladesh, August 2014.

Research Writing Seminar, Bangladeshi Health Professions Institute, 2014.

Gynecologic Physical Therapy Evaluation and Intervention for Post Fistula and Fissure Repair. Hope Foundation for Women and Children of Bangladesh, August 2014.

National Bangladesh Physical Therapy Association Meeting, Opening Ceremony Main Speaker, 2010

“Assessing Cultural Competence in Physical Therapy Practice and Education”, Nova Southeastern University, Ft. Lauderdale, FLA, October 2007.

“Social, Political, and Legislative Influences on the Health Care Delivery System”, Nova Southeastern University, FLA, September 2007.

### **Funded/In Review Grant Activity:**

#### **International Grants:**

1. Overseas Development Assistance Grant/Brighton UK (80,000 GBP = 106,000 USD) Physiotherapy Project for Women Living in Rural Bangladesh, Dr. Lori Walton- Trial Supervisor and co-PI; PI- Dr Veena Raigangar & Dr. KM Amran Hossain.

#### **Community Grants:**

1. \$25,0000 ALL ONE Charities Grant for Refugee Community Health Program, ALL One Charities, Granted Spring 2022-2023.
2. Community Based Learning Grants: Awarded \$1500 total (with collaborators) in 2023
3. Official Development Assistance Grant, University of Brighton. Physiotherapy Project for Women of Rural Jashore: Helping women who have Lumbar Disc Herniation with Cauda Equina Syndrome (Collaborative partner in the grant with colleagues in UK and Bangladesh), 2024-2026.

#### **Faculty Research Grants:**

1. Faculty Research Grant, University of Scranton: Awarded \$3000 in 2021- 2022
2. Faculty Research Grant at University of Sharjah (\$10,869): Accepted for research on Toxic stress and maternal health outcomes for women living in UAE (PI)

3. Faculty Research Group Grant with Ministry of Health, Health Promotion Group (\$80,000 USD/300,000 AED) (member/co-researcher).
4. Faculty Research Grant in May 2014-2016 (\$9,873): Dr. Walton (PI) Research with Women Infants and Children (WIC) of South Bend and Memorial Hospital on the “Effects of a 12 week exercise and nutrition program on pelvic pain and incontinence for prenatal/postpartum women”.

**Travel Grants:**

1. International Travel Grant in May 2012 (\$2000): Research collaboration and development for pediatric and neurologic research with Center for Rehabilitation of the Paralyzed in Savar, Bangladesh.
2. International Travel Grant Funds in September 2011 (\$2000): Research presentation and teaching in Bangladesh Health Professions Institute and Hope Foundation for Women and Children in Cox's Bazaar, Bangladesh.
3. International Travel Grant Awarded in May 2011 (\$1500): Research presentation and teaching in Bangladesh Health Professions Institute and Dhaka Medical College.
4. International Travel Grant (\$1500): Awarded in 2010: Dhaka, Bangladesh in coordination with Dhaka Medical College and Bangladesh Health Professions Institute and Center for Rehabilitation of the Paralyzed, research collaboration regarding Bangladeshi women's sexual health post spinal cord injury and teaching women's health course to Physical Therapy students.
5. International Travel Grant Awarded in 2009 (\$1500): Mumbai, India, World Confederation on Physical Therapy (WCPT), Research presentation on “Falls in Patients with Fibromyalgia”.

**Faculty Development Grants:**

1. Faculty Development Grant (\$2000): Awarded in 2010: Shanghai China, Conference on Regenerative Medicine and Stem Cell Research, invited speaker “Ethics Analysis on Stem Cell Research Debate”.

**Current/Active Research Activity:**

Walton L, Hakim R, Schwartz J, Schbley B, Kibbet J (2022). (Validity and Reliability Study + Data Collection completed) Validity Study on Complex Trauma Inventory, IPAQ, Perceived Stress Scale, and Cohen-Hoberman Inventory of Physical Symptoms.

**Membership in Scientific/Professional Organizations:**

1. Associate Editorial Board Member, Journal of Women's (& Pelvic) Health Physical Therapy, 2021-Present
2. Education Committee Member for the Women's Health/Pelvic Health Section of the American Physical Therapy Association, 2020-Present
3. Emirates Physical Therapy Association Scientific Board Member, 2018-2021
4. World Confederation on Physical Therapy (WCPT), Elected Research Abstract Review Committee, 2019, Geneva, Switzerland; 2021- Online (Pandemic); 2023- Dubai, UAE

5. Emirates Physical Therapy Association, Member 2017-2021
6. Bangladeshi Physical Therapy Association Member, 2014- present
7. American Physical Therapy Association, member, 1995 to present  
(Neurology/Women's Health Section Members)
8. Phi Beta Delta, International Scholar Honor Society, 2011 to present.
9. World Confederation on Physical Therapy (WCPT), Elected Research Review Committee, 2014-2015, Singapore
10. MPTA, Research Committee Member and Chair of Poster Presentations, 2012-2014
11. Michigan Physical Therapy Association Member, Current American
12. Physical Therapy Association Member, Mentor, Current
13. American Physical Therapy Association Women's Health Section Member, Current
14. Leadership in Advocacy for the Physical Therapist & Physical Therapist Assistant Insurance Issues in Kansas, 2010
15. American Physical Therapy Association, Education Section, Elected Officer
16. American Physical Therapy Association Neurology Section Member American
17. Physical Therapy Association Oncology Section Member American Physical Therapy Association Research Section Member
18. Kansas Physical Therapy Association, Nominating Committee, Officer, Mentor, Current
19. American Academy of Orthopedic Manual Physical Therapists
20. Women's Health Special Interest Group Leader/Organizer, KPTA, 2005-2006
21. Bangladesh Physical Therapy Association, 2009-present

**Consultative and Advisory Positions Held:**

Bhutanese Community Center Advisory Board, Scranton, PA, 2023-current.

Bangladeshi Health Professions Institute, Dhaka, Savaar, Bangladesh, Consultant for Women's Health and Neurology Curriculum and Clinical Advisory, 2022-current.

Individuals in Motion (IAM) Advisory Board Member for People with Spinal Cord Injury, 2020-2022.

Member of the Refugee Resettlement Volunteer Training Program at University of Scranton and Community Partners (United Neighborhoods and Catholic Social Services), Pennsylvania, 2021-present.

College Institutional Research Board (DRB) Member. Evaluation of research ethics applications, 2020-present.

International Board Member, Hope Foundation, Cox's Bazaar, Bangladesh, Consultant and Development of Women's Health Initiative for the Socioeconomically Challenged and Underserved Populations to Reduce Maternal Morbidity and Mortality, 2011-present.

Bangladesh Health Professions Institute, 2010-present, Honorary Faculty, Consultant for curriculum and program, Dhaka, Bangladesh for Master of Science Physical Therapy Program and MS in Rehabilitation Science.

Bangladesh Health Professions Institute, 2010-present, member of Institutional Review Board (Ethics Committee- CRP).

Editorial Reviewer for World Confederation on Physical Therapy Research Abstract Submissions, current 2018.

Bangladesh Health Professions Institute, 2010, Physical Therapy Program (MS), Dhaka, Bangladesh, Lectures to Physical Therapy Students, Assistance to faculty on curriculum development

Center for Rehabilitation of the Paralyzed (CRP), May 2010, Savar, Bangladesh, Set up International Affiliation for PTA Students, Research advisor and editor.

Editorial Reviewer for Journal of Physical Therapy Rehabilitation, 2013-2014.

Book Reviewer for "Health Services: Policy and Systems in Physical Therapy" by Sandstrom R., Lohman H., and Bramble J. 2007.

Editorial Reviewer for Journal for the Poor and Underserved, Meharry Medical College, 2007-2012.

Editorial Reviewer for Journal of Health Ethics, 20011-12.

Article Reviewer for Jordan University of Science and Technology, The Effects of Constraint Induced Therapy on Patients with Stroke, 2008.

Article Reviewer for "Women's Sexual Reproductive Health in Bangladesh" by Noorjte Lubbers, 2010.

**Community Service:**

Pro bono education, lectures, and clinical consultation to Bangladeshi Health Professions PT Program, onsite in 2019 and online 2020-present.

Development of community health education and screening program for local refugees, 2020-2022.

Pro bono service to women and children in Sharjah, UAE, PRN, 2017-2020

Pro bono service to women and children in Center for Rehabilitation of the Paralyzed, 2009-Present (40-120 hours every year)

Pro bono prenatal and postpartum maternal health program for women with socioeconomic challenges, Women Infants & Children, S. Bend, Indiana, (2012-2016).

Pro bono women's health physical therapy services to the local community, Michigan/Indiana, (2012-2016)

Bangladeshi Health Professions Institute/University of Dhaka, Consultation for Curriculum Development for MScPT Program, (2010-Present)

Volunteer Physical Therapy Services to Hope Foundation, Cox's Bazaar, Bangladesh, (2011-present)

Volunteer Physical Therapy Services/consultation to The Center of Rehabilitation of the Paralyzed, Dhaka, Bangladesh, (2009- Present)

Outpatient Orthopedics and Women's Health, Marian Clinic Volunteer Physical Therapist (St. Francis Health Center Affiliated), Topeka, Kansas, 2006 to 2010

**Current Services to the University/College/School on Committees/Councils/Commissions:**

### ***University Level***

1. FAC Union Contract Negotiation Table Team (2024-current)
2. Ladauto Si Cry of the Poor Committee co-Chair (2023-current)
3. Faculty Handbook Committee, (2023-current)
4. Faculty Senate Executive Committee, Secretary (2023-2024)
5. University Senate (3<sup>rd</sup> Alternate) (elected 2022-2023)
6. University Grievance Committee (Advisor for Students)
7. University FAC Steering Committee for Faculty Negotiation on Salary and Benefits, (2021-current)
8. Ellacuria Advisory Board (2022-Current)
9. Kino Border Initiative ICP Experience, Nogales, Mexico, through the Ignatian Center, University of Scranton, August 2022.
10. Safe Zone Training Facilitator for the Jane Kopas Women's Center, Spring 2022-Current
11. Clavius Participant for Discussion on *Ignatian Values* to Guide General Education at the University, 2020-2021 and 2022-2023 Participant)
12. First Year Ignatian Program Completion, 2020-2021, Jesuit Center, University of Scranton
13. Steering Committee for Faculty Negotiation on Salary and Benefits, 2021-2022.

- Previous University Level Experience includes the following positions from 2006-2020 prior to working at University of Scranton (Refer to Curriculum Vitae)
  - University Senate, 10 years of service
  - University Assessment Committee, 9 years of service
  - Institutional Review Board, 5 years of service
  - University Grant Committee, 3 years of service
  - University Strategic Planning Committee, 5 years of service
  - University Accreditation Ethics and Legal Committee, 3 years of service

### ***College Level***

1. Departmental Institutional Review Board (DRB) (College Level Committee), 2020-Present
2. Assessment Day, Participated in Grading Assessment Day Essays (2020-2021)(2021-22)(2022-pending)
3. Search Committee for New PT Faculty (2022-2023)

### ***Department Level***

1. Physical Therapy Department Assessment Committee, 2020-2022
2. Physical Therapy Department Curriculum Committee, 2020-Current
3. Physical Therapy Department Strategic Planning Task Force, 2021-2023
4. Physical Therapy Department Research Committee on Vulnerable Populations, 2021-Current

## **III. Service to the Profession**

### ***National Level***

1. Guest Editor for *Women's and Pelvic Health Journal of Physical Therapy Special Trauma-Informed Care Section*, 2023-2024.
2. Advisory Editorial Board Member for *Women's Health Journal of Physical Therapy*, 2021-Present
3. *American Physical Therapy Association, (Women's and) Pelvic Health Section, Education Committee*, 2020-Present

### ***International Level***

1. Hope Foundation for Women and Children, Advisory Board, 2009-Present
2. Honorary Faculty at Bangladeshi Health Professions Institute, 2009-Present
3. Honorary Faculty at Jashore University of Science and Technology, 2020-Present
4. Riphah International University, Department of Physical Therapy, Guest Faculty, 2020-2022
5. World Confederation on Physiotherapy (WCPT)

- a. Planning committee Dubai 2020
- b. Abstracts reviewer 2020 (Reviewed 30 abstracts), 2022 (in progress)
- 6. International Consultant for Physical Therapy and Rehabilitation Science Programs at Bangladesh Health Professions Institute (MSc.PT (2009-Present), MSc Rehab Science (2012-Present), and DSc.PT Program (2021-Present), Overall Service, *2009-Present*

### **Other University Experience**

1. Laudato Si Committee Member, Lead for “Cry of the Poor” initiatives for the most vulnerable, 2023-2024.
2. Faculty Executive Committee, Secretary for University Faculty Senate, 2023-current.
3. Faculty Handbook Committee Member, appointed by Faculty Affairs Committee, 2023-current.
4. Lead on Women’s and Pelvic Health curriculum development and participated in Neurologic/Neuroscience curriculum development, lymphedema and pediatric content development 2022-2024
5. Lead on New Curriculum Development and Assessment for Physical Therapy Programs, University of Sharjah, 2017-2020
6. University Curriculum Committee, University of Sharjah, 2019-2020.
7. College of Health Professions Continuing Education Committee, 2019-2020.
8. Organized the final research oral and poster presentations for the Physical Therapy department at University of Sharjah, UAE, 2017-2020.
9. Provided consultation and continuing education (40 hours) to Masters of Rehab Program and MSPT Students at University of Dhaka, Bangladeshi Health Professions Institute, (Topics included: Musculoskeletal Assessment and Obstetrics/Gynecologic Patient, Statistics and Research, and Exercise Prescription), April 01-07, 2018.
10. Participated in organization for “Physical Therapy Day” at University of Sharjah, local community, OB/GYN Awareness; Fall, 2017.
11. College Council, University of Sharjah (UOS), 2017-present Research
12. Committee, University of Sharjah (UOS), 2017-present
13. Chair of Curriculum Assessment Committee, Department of Physical Therapy, University of Sharjah, 2017-present
14. Research Grants Committee, SUNY Upstate Medical University, 2016-2017
15. Scholarship Committee, SUNY Upstate Medical University, 2016-2017
16. University Accreditation Ethics and Legal Committee, SUNY Upstate Medical University, 2016-2017
17. Department Accreditation Curriculum and Assessment Committee, SUNY Upstate Medical University
18. University Senate, Andrews University, 2014-2016
19. University Faculty Research Grants Committee, 2012-2016
20. School of Health Professions Research Committee, 2012- 2016
21. University Research Council Member, 2012- 2016
22. IRB Committee Member, Andrews University, 2012-2016
23. Post-professional DSc.PT Program, Andrews University, 2012-2016

24. University Senate, Indiana State University, 2010-2012
25. Assessment Committee, ISU, 2010-2012
26. Curriculum Committee, ISU, 2010-2012
27. Program Development, ISU, 2010-2012
28. University Assessment Committee, Washburn University, 2008-2010
29. Academic Affairs Committee, Washburn University, 2009-2010 University
30. Senate, SAS representative, Washburn University, 2008-2010
31. University Undergraduate Retention Committee, Washburn University, 2008
32. Curriculum and Policy Committee, Washburn University, 2007-2009

**Continuing Education Attended:**

North American Institute of Orthopedic Manual Therapy Level I and II: Upper Extremity & Lower Extremity, Portland, Oregon  
North American Institute of Orthopedic Manual Therapy Level III  
Ola Grimsby: Level II: Lower Quadrant, San Francisco, California  
Pelvic Floor Dysfunction Level I, Portland, Oregon  
Intermediate Level II Pelvic Floor Dysfunction, Kansas City, KS  
Advanced Level III Pelvic Floor, Maywood, Illinois  
Differential Diagnosis/Direct Access Test by Dr. David Munsir: Portland, Oregon  
Muscle Energy I & II: Upper & Lower quadrant, Portland, Oregon  
Strain-Counter-Strain: Portland, Oregon  
Craniosacral I: Portland, Oregon  
Lymphedema for Upper Extremity/Post Mastectomy: Northwest Seminars, Kansas  
Polestar Rehabilitation Pilates: Nashville, Tennessee  
Pediatric Neurological Patient I, II, & III: Kansas  
Neuropathology: KUMC, Kansas  
Health Systems Management: Creighton University, Omaha, NE  
Differential Diagnosis: Creighton University, Omaha, NE Theory of  
Motor Control: Creighton University, Omaha, NE Professional Assessment: Creighton University, Omaha,  
NE Pharmacology: Creighton University, Omaha, NE  
Radiology: Creighton University, Omaha, NE Research  
Elective: Creighton University, Omaha, NE  
Biostatistics: Research I: Nova Southeastern University, FLA Health  
Care Delivery Systems: Nova Southeastern University, FLA Human  
Motion Analysis: Nova Southeastern University, FLA Teaching &  
Learning In Physical Therapy: NSU  
Research II: Methods and Design: NSU, FLA  
Health Care Policy and Health Care Reform: NSU, FLA Professional  
Issues in Physical Therapy, NSU, FLA  
Thrust Manipulation of the Spine for Physical Therapists, Creighton University  
Women's Health Research Presentations, KPTA, Junction City, KS  
Polestar Pilates Level I, II  
Credentialed Clinical Instructor, APTA Advanced Statistics: Research IV, NSU, FLA  
Ethics in Healthcare, NSU, FLA  
Analysis of Measurement, NSU, FLA  
Legal Studies, NSU, Spring 2009  
Scientific Writing, NSU, Spring 2009  
Norton School of Lymphedema Therapy Certification, CDT & CLT, Spring 2010

Advanced Clinical Instructor Credentialing Workshop, Boston, June 2010  
Prenatal and Postpartum Physical Therapy, Louisiana, CSM, 2011  
Neurodegenerative Changes in Pediatric Populations, CSM, 2012  
Obstetric and Gynecologic Visceral Manipulation, Washington University, APTA, 2012.  
Dry Needling Level I, 2013  
Medical Exercise Prescription, 2013  
Diagnostic Ultrasound for Orthopedic and Pelvic Floor, 2014  
Advanced Level III Pelvic Evaluation, 2014  
Demystifying Chronic Pain, 2015 NIH  
Grant Writing Workshop, 2015  
Office of Research and Integrity Conference, 2015  
Visceral Gynecologic Physical Therapy, 2016  
Diagnostic US in Orthopedics and Gynecologic PT, 2016  
Child Development and Health Outcomes (3 cr), Johns Hopkins University, 2016-2017  
Medical Neuroscience, Dr. White, Duke University, 2017-2018.  
Problem Solving in Public Health (3 cr), Johns Hopkins University, 2017-2018.  
Master Class for Spinal Cord Injury, Cleveland Clinic Seminar in Dubai, 2018.  
Mulligan Lower Extremity Certification, 2018, University of Sharjah, UAE.  
Epidemiologic Inferences in Public Health (5 cr), Johns Hopkins University, 2017-2018  
Health and Human Rights: Public Health Implications of Health as a Human Right (3 cr), Johns Hopkins University, 2017-2018  
Public Health Biology (3 cr): Johns Hopkins University, 2018.  
Social and Behavioral Foundations of Primary Health Care, Johns Hopkins University, 2018. summer  
Tools of Public Health Practice (1 cr), Johns Hopkins University, 2018  
Social and Behavioral Health in Primary Medical Care (4 cr), Johns Hopkins University, Summer 2018  
Women's Health and Women's Health Policy, Johns Hopkins University, 2018  
Psychopathology for Public Health (3 cr), Johns Hopkins University, 2019  
Advanced Statistical Reasoning in Public Health, 2019  
Certification in Teaching and Learning/Health Professions Education, UK, 2018-2019  
Advanced Certification in Teaching and Learning/Health Professions Education, UK, 2019-2020  
Chronic Pelvic Pain, American Physical Therapy Association/Women's Health, 2020  
Level III Pelvic Rehabilitation, APTA, 2020  
Pediatric Pelvic Floor Rehabilitation, 2020  
Trauma in Women's Health Physical Therapy, APTA, 2020  
Social Determinants of Health, Johns Hopkins University, 2020  
International Travel Preparation & Safety Wellness (fall), Johns Hopkins University, 2020  
Grant Writing I, Johns Hopkins University, Fall 2020  
Principles of Negotiation and Mediation for Public Health Professionals, Johns Hopkins, (Fall) 2020  
Psychological and Behavioral Factors that Affect a Populations' Health, Johns Hopkins, (Fall) 2020  
Social Policy for Vulnerable Populations in the United States, Johns Hopkins, (Fall) 2020  
The Role of Qualitative Methods and Science in Describing and Assessing a Population's Health, Johns Hopkins (Fall) 2020  
Applications to Gender Analysis, Johns Hopkins University (Spring) 2021  
Gender Based Violence (Spring) 2021  
International Travel Preparation, Safety, and Wellness Course at JHU, Spring 2021  
Psychological and Behavioral Factors that Affect a Population's Health at JHU, 2021  
The Social Determinants of Health at JHU, 2021

Community-Based Learning Training, University of Scranton, 2021  
Ignatian One Year Seminar on Social Justice, 2020-2021  
PILLAR Training for a more inclusive classroom, 2021-2022(currently enrolled)  
Trauma-Informed Care, Level I, II, III (2022)  
Early Intervention Courses for Coaching in EI Setting 2023-2024  
Early Intervention Courses for Social Determinants of Health, 2023-2024  
Early Intervention Course for Handling Techniques, 2023  
Early Intervention Course for Sensory Integration, 2023  
Early Intervention Trauma-informed care I, II, & III, 2023  
Neurologic Presentation in COVID-19, APTA Neurology Section, 2023  
Human Rights: The Rights to Refugees, 2023, Amnesty International  
Pediatric Physical Therapy Updates in evidence based care, CSM, 2024  
Considering Multisensory Sensitivity in Pediatric and Adult Chronic Pain, CSM 2024  
The Role of Touch in Pediatric Physical Therapy, CSM 2024  
Giving Hypermobile Children a Leg up on Lower Extremity Function: PT Assessment & Treatment, CSM 2024  
Advancing Clinical Reasoning: Integrating Task-specific Movement Analysis Across the Life Span, CSM 2024  
Autism and Obesity: Physical Therapy's Role in Combatting Childhood Weight Challenges in Schools, Clinics, and Communities, CSM 2024  
Trauma-Informed Care Certification, 2024  
Comprehensive Vestibular Rehabilitation Certification, 2024  
A Trauma Informed Approach to Promoting Health Equity in Neurorehabilitation, 2024 (Oct), ANPT Annual Conference  
Beyond the CPG: Adapting to apply the Parkinson physical therapy guidelines to advanced disease, 2024, ANPT Annual Conference  
Does walking practice improve quality of life in all individuals with chronic iSCI and ABI?, 2024 (Oct), ANPT Annual Conference  
Go with the flow? Blood flow restriction training in patients with neurologic conditions, 2024 (Oct), ANPT Annual Conference  
Implementing the Activity: Enhancing Care through Goal Setting and Collaborative Planning, 2024 (Oct), ANPT Annual Conference  
Motor Control-Stability: Evidence for PT Exam/Intervention for this forgotten piece of the puzzle, 2024, ANPT Annual Conference  
PPPD, Vestibular Migraine, and MdDS- How to use the Bárány Society Diagnostic Criteria, 2024 (Oct), ANPT Annual Conference  
Using Clinical Prediction Rules to Determine Complex Rehab Technology Early After Spinal Cord Injury, 2024 (Oct) ANPT Annual Conference  
Emotional Foundations in Early Intervention: Social Emotional Development within the Context of Relationships, 2024  
Assistive Technology in Early Intervention, Using Environmental and Universal Tools, EITA, 2024  
Autism in Toddlers Certificate, EITA, 2024  
Building Relationships to Support All Children, EITA, 2024  
Working Together in Early Intervention, EITA, 2024  
Protecting God's Children Awareness Session and Mandated Reporter for Catholic Social Services & Refugee Services in Scranton  
Coaching Across Early Intervention Pediatric Physical Therapy Settings, EITA, 2024  
Partnering to Build Family Capacity in Early Intervention Pediatric Physical Therapy, EITA, 2024  
Implicit Bias Training for Early Intervention Pediatric Physical Therapists, Biologix Solutions, 2024  
Social Emotional Development within the Context of Relationships in Early Intervention PT, EITA, 2024

