

CURRICULUM VITAE

Hamdy A. Radwan, PT, MS, PhD

Professor of Physical Therapy
Winston Salem State University
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2315 School Creek Pl.
Raleigh, NC 27606
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QUALIFICATION:

- 31 years of national and international clinical and academic experience in positions of increased responsibility.
- Excellent communication and training skills with the ability to interact favorably with individuals of all skill experience levels.
- Experienced physical therapist with specialization in musculoskeletal management, manual therapy and electrophysiologic testing and in-depth experience in acute care and geriatrics.

EDUCATION:

- **Postdoctoral Fellowship** (July 2002 – June 2005)
John Hopkins University, Baltimore, MD
Health Disparity and Breast Cancer
- **Doctor of Philosophy in Physical Therapy (Ph.D.)** (May, 1999)
Texas Woman's University, Houston, TX.
Ph.D. Dissertation "Motion Patterns, Electromyographic Activity, and Ground Reaction Forces during a Loaded Functional Reach Task: A Comparison among Subjects with Low Back Pain, Subjects with Lumbar Spine Fusion and A Control Group"
- **Master Degree in Physical Therapy (M.Sc.)** (May, 1987)
Faculty of Physiotherapy, Cairo University, Egypt.
M.Sc. Thesis "Comparative Electromyographic Study of the Paraspinal Muscles of Laminectomyed and Normal Subjects"
- **Bachelor Degree in Physical Therapy (B.Sc.)** (May, 1981)
Faculty of Physiotherapy, Cairo University, Egypt.

TEACHING EXPERIENCE:

| | |
|-------------------|---|
| 07/2006 – Current | Professor of Physical Therapy Winston Salem State University, University of North Carolina System, NC, USA |
| 09/1999 – 07/2006 | Associate Professor (Tenured January 2002) Winston Salem State University, University of North Carolina System, NC, USA |
| 05/1989 – 05/1991 | Assistant Lecturer and Clinical Instructor |

05/1984 – 05/1989 Faculty of Physiotherapy, Cairo University, Egypt.
Instructor of Physical Therapy
Faculty of Physiotherapy, Cairo University, Egypt.

CLINICAL EXPERIENCE:

01/2001 – Current **PRN Orthopedic Physical Therapist**
Dunn Physical Therapy, Cary, NC

01/2000 – 12/2000 **PRN Physical Therapist**
High Point Regional Hospital, High Point, NC

03/1997 – 09/1999 **Administrator**
PHOENIX Health Care Systems, Inc., Houston, TX.
Home Health Agency

11/1994 – 03/1997 **Clinical Director**
Promed Personal Services, Houston, TX.
Home Health Agency

08/1993 – 11/1994 **Physical Therapist II**
Hermann Hospital, Houston, TX.

01/1991 – 03/1993 **Physical Therapist**
DC General Hospital, Washington, DC.

05/1987 – 01/1991 **Physical Therapist Supervisor**
El-Fayrouz Hospital, Giza, Egypt.

05/1984 – 05/1989 **Instructor of Physical Therapy**
Faculty of Physiotherapy, Cairo University, Egypt.

05/1982 – 05/1984 **Physical Therapist**
El-Wafa Wa Al-Amal Rehab Center, Cairo, Egypt.

05/1981 – 05/1982 **Physical Therapist “Internship”**
Cairo University Hospital, Cairo, Egypt.

SPECIALIZED COURSES:

- ◆ Spinal and Peripheral Manual Therapy Techniques – Advanced Course; Mulligan Concept, December 2012, Raleigh, NC.
- ◆ Lower Quarter Spinal and Peripheral Manual Therapy Techniques; Mulligan Concept, September 2012, Raleigh, NC.
- ◆ Upper Quarter Spinal and Peripheral Manual Therapy Techniques; Mulligan Concept, February 2012, Raleigh, NC.
- ◆ Craniosacral Therapy, June 2011, Cary, NC.
- ◆ Current Concepts in Orthopedic Physical Therapy, March, 2011, Alexandria, VA.
- ◆ The McKenzie Method of Mechanical Diagnosis and Therapy: Part B: Cervical Spine, 2007, Miami, FL.
- ◆ The McKenzie Method of Mechanical Diagnosis and Therapy: Part A: Lumbar Spine, 2007, Winston-Salem, NC.
- ◆ e-Health Promotion 2006 Training Institute, 2006, Philadelphia, PA.
- ◆ Coding and Billing for Therapy and Rehab, 2005, Raleigh, NC.
- ◆ Mulligan Manipulation techniques, 2002, Raleigh, NC.
- ◆ Certificate in Electrophysiologic Evaluation, Co-sponsored by Expert Clinical Benchmarks, Drexel University, and New York Chiropractic College, 2002, King of

- Prussia, PA.
- ◆ Clinical Research Investigator/Coordinator Certificate (CRICC) program, 2000, Winston-Salem, NC
 - ◆ Medicare changes, 1999, Houston, TX
 - ◆ The ways to survive – Medicare regulations, 1998, Dallas, TX
 - ◆ Medicare Billing, 1998, Dallas, TX
 - ◆ Proper Documentation – Medicare and Medicaid, 1997, Austin, TX
 - ◆ Labview software training program, 1996, Austin, TX
 - ◆ Computer Application for Physical Therapist, 1995, Houston, TX
 - ◆ Computer Programming in C Language, 1995, Houston, TX
 - ◆ Radiological Review for Physical Therapist, 1995, Houston, TX
 - ◆ Current Concepts of Spine Evaluation and Treatment, 1994, Houston, TX
 - ◆ Spinal Evaluation and Manipulation, 1992, Baltimore, MD
 - ◆ Wound Care, 1992, Charlottesville, VA
 - ◆ Physiology of Exercise, 1992, College Park, MD
 - ◆ Administrative Skills, 1992, Falls Church, VA

LICENSURE and CERTIFICATES

- North Carolina Physical Therapy License – Active License # 8011
- Texas Physical Therapy License - Inactive
- Clinical Human Subject Research Certificate from the National Institute of health (NIH), 2009
- Certificate of Clinical Research Conduct, 2005
- Certificate in Electrophysiologic Evaluation, 2003

CURRENT RESEARCH ACTIVITIES:

- **Spinal Fusion Project:**
Kinetic and kinematic Analyses of Post Spinal Fusion. Patients with lumbar spinal fusion for more than five years are compared with patients complaining of current low back pain and age and gender matched pain free individuals.
- **iPod Spine Project:**
Use of technology to advance and augment teaching clinical skills. The project aims to develop an App for iPhone/Pad/Touch. The application is designed to be a source tool for new grads and practicing clinicians.
- **Educational Research Projects:**
 - **e-Health Education:**
Utilization of e-health information to reduce health disparity.
 - **Teaching Methodology:**
In the process of developing a spine model to standardize and enhance teaching of manual skills.

PUBLICATIONS

A. PEER REVIEWED ABSTRACTS/PRESENTATIONS

1. **Radwan H**, Perez-Brown D, Reddick B: Decrease Health Disparity: Access of Internet Information by Women” Submitted to the International Educational and Networking Forum for Health, Telemedicine and Health ICT, April 16-18, 2008. Luxexpo, Luxembourg.
2. **Radwan H**, Perez-Brown D: Utilization of e-Health Information to Reduce Musculoskeletal Work Related Injuries” Submitted to the 3rd International conference on Environmental Science and Technology, April 1-3, 2008. Cairo, Egypt.
3. **Radwan H**, Rainey Y, Cowie R: Increasing the Number of Minority Physical Therapy Students to Reduce Health Disparities in North Carolina. 15th International Congress of World Confederation for Physical Therapy, Vancouver, Canada, June, 2-6, 2007.
4. Abdelazeim F, **Radwan H.**: Applicability of Using Formetric Instrument System to Analyze Posture in Children with Cerebral Palsy. 15th International Congress of World Confederation for Physical Therapy, Vancouver, Canada, June, 2-6, 2007.
5. **Radwan H.**: The Access and Use of Internet Breast Cancer Information by African American Women. AOTA Annual Conference and Expo, St. Louis, MO, April 20-23, 2007.
6. **Radwan H**, Abdelazeim F: The Impact of e-Learning on Post Professional Physical Therapy Education. 5th International Internet Education Conference, ICT-Learn 2006, Cairo, Egypt. September 11-13, 2006.
7. **Radwan H**, Perez-Brown D: The Accessibility of Internet Breast Cancer Information by Women. 5th International Internet Education Conference, ICT-Learn 2006, Cairo, Egypt. September 11-13, 2006
8. **Radwan H.**: e-Care: Breast Cancer Education, Cairo, Egypt, June 20-28, 2005.
9. Harris MD, **Radwan H**, Cowie RJ: Effects of High-Heeled Shoes on the Center of Gravity and Center of Pressure in Adult Women. American Physical Therapy Association Annual Conference, Chicago, IL, June 30-July 3, 2004 (Refereed)
10. **Radwan H**, Green G, Migliarese S, Thomas A. The Effect of Trunk Stabilization Exercises to Decrease the Risks for Falls in Elderly Patients after Hospitalization. 14th International Congress of the World Confederation for Physical Therapy, Barcelona, Spain. June 7-12 2003
11. Abdelazeem F, **Radwan H**. Evaluation of the Development of Bilateral Coordination in Preschool Children. 14th International Congress of the World Confederation for Physical Therapy, Barcelona, Spain. June 7-12 2003
12. Bethea D, **Radwan H**, Sawan S, Fish T. The Talking Pen: Assessing Fine Motor Performance in Children with Attention Deficit Disorders. World Confederation of Occupational Therapist, Sweden. June 2002.
13. Watson TA, **Radwan H**, Boyle K. Learning Spinal Manipulation Part I: Comparison of teaching Methods. American Physical Therapy Association, Combined Section Meeting, Boston, MA February 20 – 24 2002.
14. **Radwan H**, Watson TA, Boyle K. Learning Spinal Manipulation Part II: Gender Effect. American Physical Therapy Association, Combined Section Meeting, Boston, MA February 20 – 24 2002.
15. **Radwan H**, Watson TA, Boyle K. Learning Spinal Manipulation Part I: Comparison of teaching Methods. AAOMPT conference, San Antonio, TX October 17-19, 2001.

16. **Radwan H**, Watson TA, Boyle K. Learning Spinal Manipulation Part II: Gender Effect. AAOMPT conference, San Antonio, TX October 17-19, 2001.
17. **Radwan H**, Cowie R, Developing a virtual laboratory: A flexible, interdisciplinary approach to teaching health science. Piedmont Triad Research and Technology, Connectivity Expo 2001, Winston Salem, NC April 4-5 2001.
18. **Radwan H**, Watson T, Shirazyan A. Attitudes Toward Persons with AIDS: Comparison between North Carolina Health Professionals and Student Health Professionals. Piedmont Triad Research and Technology, Connectivity Expo 2001, Winston Salem, NC April 4-5 2001.
19. **Radwan H**, Boles C, Garrison C, Canzone C, Miles S, Flack S. Attitude toward HIV/AIDS among North Carolina Health Professionals: Race factor. Piedmont Triad Research and Technology, Connectivity Expo 2001, Winston Salem, NC April 4-5 2001.
20. **Radwan H**, Boles C, Garrison C, Canzona C, Miles S, Flack S. Attitude toward HIV/AIDS among North Carolina Health Professionals: Comparison between African American and Caucasian. 13th National HIV/AIDS Update Conference, San Francisco, CA March 20 - 23, 2001.
21. **Radwan H**, Watson T, Shirazyan A. North Carolina Health Professionals and Student Health Professionals: Attitudes Toward Persons with AIDS. American Physical Therapy Association, Combined Section Meeting, San Antonio, TX February 14 – 18, 2001.
22. Watson T, **Radwan H**, Shirazyan A. Knowledge and Attitude among North Carolina Physical Therapists and Physical Therapy students Concerning Persons with AIDS. American Physical Therapy Association, Combined Section Meeting, San Antonio, TX February 14 – 18, 2001.
23. Watson T, **Radwan H**, A Comparison of Three Teaching Methods for Learning Spinal Manipulation Skill, American Academy of Orthopaedic Manual Physical Therapists 2000 6th Annual Conference, Charlottesville, VA October 20 -22, 2000.
24. Shirazyan A, Jackson T, Jones D, Westbrook T, **Radwan H**, Phillips I, Miles S, Canzona C, Garrison C, Boles C, Joe E, Flack S. Knowledge of health care individuals about AIDS/HIV and their attitude toward people with AIDS/HIV in the state of North Carolina – USA. 13th International AIDS Conference, Durban, South Africa July 9 - 14, 2000.
25. **Radwan H**, Simmonds MJ, Etnyre BR, Novy D. Paraspinal muscle response to a loaded reach task among patients with low back pain, patients with lumbar fusion and a control group. American Physical Therapy Conference, Washington, DC, June 1999.
26. **Radwan H**, Simmonds MJ, Etnyre BR. Muscles activation patterns of patients with low back pain, with lumbar fusion, and a control group during a loaded forward reach task. 13th International Congress of World Confederation for Physical Therapy, May 23-28, Yokohama, Japan, 1999.
27. Etnyre BR, Simmonds MJ, **Radwan H**, Dietal G, Dalal S. Hip and knee displacements during sit-to-stand movements between low back pain patients and a control group. 13th International Congress of World Confederation for Physical Therapy, May 23-28, Yokohama, Japan, 1999.
28. Etnyre BR, Simmonds MJ, **Radwan H**. Comparison of electromyographic duration and frequency characteristics between low back pain patients and a control group. Third Interdisciplinary World Congress on Low Back Pain and Pelvic Pain. Vienna, Austria, November 1998.

29. **Radwan H**, Simmonds MJ, Etnyre BR. Displacement of the center of pressure during performance of a loaded reach task: comparison between two LBP groups (with and without fusion) and a non pain control group. 11th Annual International Intradiscal Therapy Society Meeting, San Antonio TX, May 1998.
30. Olson S, Simmonds MJ, Novy DM, Jones SC, Hussein T, Lee E, **Radwan H**. Reliability and validity of novel physical performance measures in patients with low back pain. 11th Annual International Intradiscal Therapy Society Meeting, San Antonio TX, May 1998.
31. Novy DM, Simmonds MJ, Olson S, Jones SC, Hussein T, Lee CE, **Radwan H**. Physical performance measures: are there gender differences among patients with low back pain? 11th Annual International Intradiscal Therapy Society Meeting, San Antonio TX, May 1998.
32. Simmonds MJ, Olson S, Novy DM, Jones SC, Hussein T, **Radwan H**. Classification of subjects with and without low back pain using novel tasks of physical performance. 11th Annual International Intradiscal Therapy Society Meeting, San Antonio TX, May 1998.
33. Olson S, Simmonds MJ, Novy DM, Jones SC, Hussein T, Lee CE, **Radwan H**. Reliability and validity of novel physical performance measures in patients with low back pain. Proceedings of the American Pain Society Meeting, New Orleans, October 23-26, p104, 1997.
34. Olson S, Simmonds MJ, Novy DM, Jones SC, Hussein T, Lee CE, **Radwan H**. Reliability, validity and clinical utility of a battery of physical performance tests for patients with low back pain. Proceedings of the National Occupational Injury Research Symposium. Morgantown, West Virginia, October 1997.
35. Simmonds MJ, Olson S, Novy DM, Jones SC, Hussein T, Lee CE, **Radwan H**. Classification of subjects with and without low back pain using novel tasks of physical performance. Proceedings of the American Pain Society Meeting, New Orleans, October 1997.
36. Novy DM, Simmonds MJ, Olson S, Jones SC, Hussein T, Lee CE, **Radwan H**. Physical Performance measures. Are there gender differences among patients with low back pain? Proceedings of the American Pain Society Meeting, New Orleans, October 1997.
37. Simmonds MJ, Baum R, **Radwan H**. The role of experience in spinal mobilization techniques. American Physical Therapy Association, Combined Sections Meeting, Dallas, TX, February 1997.
38. Simmonds MJ, Baum R, **Radwan H**. Use of a model to measure forces used by physical therapists and physical therapy students during spinal mobilization. Proceedings of the 14th Annual Houston Conference on Biomedical Engineering Research. Houston, TX, February 1996.
39. Simmonds MJ, Baum R, **Radwan H**. The influence of clinical experience on forces used during spinal mobilization, using a model. American Pain Society, 15th Annual Scientific Meeting, Washington, DC. November 1996.

B. PEER REVIEWED ORIGINAL ARTICLES

1. **Radwan H**, Long, B: Characterization of sit to stand task: A Comparison between patients with low back pain and pain free individuals. (Under Development)
2. **Radwan H**, Reddick B, Perez-Brown: Increasing e-Health Literacy to Promote Healthy Behaviors HBCU Interdisciplinary Initiative: Part 1 (Final preparation)

3. **Radwan H.** Towards Healthy Job environment: the use of e-Care to reduce work related injuries (Final preparation)
4. **Radwan H.** Lawrence W: The use of e-Health to reduce heart diseases among minority population, (Submitted)
5. **Radwan H.** Cowie R: Increasing the number of minority physical therapy students to reduce health disparities in North Carolina (Submitted)
6. **Radwan H.** Perez-Brown D: Utilization of e-Health Information to Reduce Musculoskeletal Work Related Injuries” Conference proceedings of the 3rd International conference on Environmental Science and Technology, April 1-3, 2008. Cairo, Egypt.
7. **Radwan H.** Prevalence of Low Back Pain in Law Enforcement Officers. Bull. Fac. Ph. Th., Cairo Univ. July 2004; 9 (2): 77-81.
8. **Radwan H.** An Electromyographic Comparison of Vastus Medialis Oblique and Vastus Lateralis Ratios in Open and Closed Chain Exercises. Bull. Fac. Ph. Th., Cairo Univ. July 2004; 9 (2).
9. Smiley T, **Radwan H.** Cowie R. Handgrip Strength: An Indicator of General Body Weakness in Individuals with HIV/AIDS Compared to Healthy Age and Gender matched Individuals. Proceedings of the 14th International AIDS Conference, Barcelona, Spain, July 7-12, 2002; 373-376.
10. **Radwan H.** Effect of Lumbar Spinal Fusion on the Displacement of Center of Gravity (COG) and Center of Pressure (COP) during the Performance of a Loaded Reach Task. Bull. Fac. Ph. Th., Cairo Univ. July 2002; 7 (2).
11. Watson TA, **Radwan H.** A comparison of three teaching methods for learning spinal manipulation skill. J Manual Manipulative Ther 2000, 9(1): 48-52.
12. Etnyre BR, Simmonds M, **Radwan H.** Ginter J. "Kinematics of a Loaded Reach Task," Texas Motor Behavior Conference Abstracts, 5 (2000): 26.
13. **Radwan H.** Simmonds MJ, Etnyre BR, Novy D. "Paraspinal Muscle Response to a Loaded Reach Task among Patients with Low Back Pain, Patients with Lumbar Fusion and a Control Group," Physical Therapy, 79(6) (1999): S304.
14. Etnyre BR, **Radwan H.** Simmonds MJ, Novy DM. "Evaluation of stability during the performance of a loaded reach task: Comparison between low back pain patient groups (with and without spinal fusion) and a pain free control group," Proceedings of the 17th Annual Houston Conference on Biomedical Engineering Research, (1999).
15. Simmonds MJ, Etnyre BR, **Radwan H.** Diatal G, Dalal S. "Hip and knee displacements during sit-to-stand movements between low back pain patients and a control group," Proceedings of the World Congress of Physical Therapy, (1999).
16. Simmonds MJ, Olson S, Novy D, Jones S, Hussein T, Lee CE, **Radwan H.** Psychological characteristics and clinical usefulness of physical performance tests in patients with low back pain. Spine. 1998 Nov; 15(23): 2412-2421.

Proposal Reviewer/Referee/Evaluator

- **Book Reviewer:**
 - Radiology for Physical Therapist by F.A Davis Publisher, 2010.
 - Management of Musculoskeletal Disorders by Kessler and Hertling, 2009.
- **Grant Reviewer:**
 - United Negro College, Special Fund (UNC-SF) e-Health grant reviewer, 2008/09.

- Research Initiation Project (RIP) Grant proposal reviewer- WSSU, 2006 – Current.
- School of Health Sciences Research proposal reviewer, 2007 – current.

Courses Taught:

Graduate Level Courses: Courses were taught at Master and Doctoral levels,

- PHT 5402 & DPT 6203 Musculoskeletal I
- PHT 5403 & DPT 6204 Musculoskeletal II
- PHT 5202 Research I
- PHT 6101 Research II
- PHT 6102 Research III
- PHT 6204 Research IV
- DPT 6102 Evidence Based Practice
- PHT 6201 Integumentary Management
- PHT 5302 Physical Agents
- PHT 7101 PT Board Preparation
- PHT 5201 Professional Issues I
- PHT 5102 Professional Issues II
- PHT 6302 Differential Diagnosis
- PHT 7308 Diagnostic Imaging
- PHT 7209 Manual Therapy of the Spine
- PHT 7209 Peripheral Manipulation and Mobilization
- PHT 7209 Community Care Clinic

Undergraduate Level Courses:

- PHT Musculoskeletal
- PHT Physical Agents
- Orthopedic Physical Therapy I
- Orthopedic Physical Therapy II
- Principles of Physical Therapy

All courses I teach are Web-Assisted or Web-Enhanced courses. Diagnostic Imaging and Evidence Based Practice are courses which are provided only online.

INNOVATIONS IN TEACHING

Residency Program:

I am chairing the orthopedic team at Winston Salem State University in building a joint residency program in affiliation with the Veterans Hospital at Statesville, North Carolina. The program is intended to advance training of licensed physical therapists in the area of musculoskeletal injuries and prepare them to successfully obtain the Orthopedic Certification Specialty (OCS).

e-CARE Team:

I have initiated an interdisciplinary team from the School of Health Sciences. The team has received the required training in “Train the Trainee program”. I have developed the e care we

care website to serve as an educational tool to faculty, students and community members.
Website address is ecarewecare.com

I was able to secure funding to maintain the project and to present the outcomes in many national and international conferences.

Development of Virtual Laboratory: The project is in the development phase in collaboration with Dr. Robert Cowie, Anatomist at the Department of physical Therapy. The Virtual Lab is a digital health sciences library to be created at WSSU to help meet the education needs of health care students and providers. The goal of the Virtual Laboratory is to make the Internet a useful medical reference and health promotion tool for health care students, providers and patients. This was presented in Piedmont Triad Research and Technology, Connectivity Expo 2001, Winston-Salem, NC April 4-5 2001.

Web Assisted/Enhanced and Online courses: I have used the blackboard to augment and improve the teaching process of my courses.
All courses were taught as Web-Assisted or Web-Enhanced - Research I-IV, Musculoskeletal I & II, and Integument Management. Diagnostic Imaging and Evidence Based Practice are courses offered totally online.

Continuing Education Workshops Conducted/Organized:

- Radwan H, Cowie R, - Cervicothoracic and TMJ Disorders: Anatomical Foundation, Comprehensive Evaluation and Evidence Based Intervention, Cairo, Egypt, December 17, 2011
- Radwan H, Cowie R, - Cervicothoracic Disorders: Anatomical Foundation, Comprehensive Evaluation and Evidence Based Intervention, Chicago, IL December 03-04, 2011
- Lumbo-Pelvic Complex, Evidence Based Practice and Clinical Prediction Rules, conducted as a requirement for clinical competency for physical therapist working at Novant, Winston Salem, NC, April 20, 2010
- Lumbo-Pelvic Complex, Evaluation, Intervention and Evidence Based Practice, Post Conference workshop, 13th International Conference of the College of Physical Therapy, Cairo University, Cairo, Egypt, March 30 – April 01, 2010
- Peripheral Manual Therapy, Winston Salem, August, 2009
- EMG/NCS in Orthopedic Conditions, Winston Salem, October 2009.
- Advance Spinal Manual Techniques, NCPTA, June, 2008
- Cervical Manipulation/Mobilization, an integrated approach, Winston Salem, June, 2007.
- Median Nerve Injuries: EMG/NCS Analysis, Winston Salem, October 2007.
- SI Joint Diagnosis and Evidence Based, Winston Salem, April, 2007

GRANTS:

- **Co-Invetigator:** DoD Grant: e-CARE Clinics at Minority Universities and Colleges. \$850,000 (April, 2008). Not Funded.
- **Principal Investigator:** National Institutes of Health: Increasing e-Health Literacy to Decrease Health Disparities: e-Care Project. \$174,000.00 (October, 2006). Funded.

- **Principal Investigator:** United Negro College Fund Special Program Corporation in partnership with the National Library of Medicine: A Campus and Community-Based e-Health Program: Increasing e-Health Literacy and Improving Health Behaviors, \$20,000.00 (September, 2006), **Funded.**
- **Principal Investigator:** Developed a Team of three faculty to be trained at e-Health Training Institute at Thomas Jefferson University, PA and received fund for training, \$2000.00 (April, 2006), **Funded.**
- **Principal Investigator:** United Negro College Fund Special Program Corporation in partnership with the National Library of Medicine: E-Care Project, \$19,990.00 (August, 2002), **Not Funded.**
- **Principal Investigator:** Kate B. Reynolds Charitable Trust: KBR Human Performance Laboratory, \$263,897.00 (March, 2001), **Funded.**
- **Principal Investigator:** U.S. Department of Health and Human Services. Centers for Disease Control and Prevention. HIV/AIDS: Facts and Issues Youth Education Project. \$271,210.00 (February, 2001), **Not Funded**
- **Co-Invetigator:** Josiah Macy, Jr. Foundation: A comparison of three teaching methods for learning spinal manipulation skill. \$20,000.00 (January, 2001), **Not funded.**
- **Principal Investigator:** Texas Foundation of Physical Therapy: Motion Patterns, Electromyographic Activity, and Ground Reaction Forces during A Loaded Functional Reach Task: A Comparison among Subjects with Low Back Pain, Subjects with Lumbar Spine Fusion and A Control Group” (Sep, 1998) Amount= \$6,000, **Not funded**

AWARDS:

1. School of Health Sciences, Winston Salem State University, Scholarship Award, August 2010.
2. Winston-Salem State University, Five Years Service Award, June, 2007.
3. School of Health Sciences, Winston-Salem State University, Spirit Award for Trail Blazer, May 2001.
4. School of Health Sciences, Winston-Salem State University, Scholarship Award, May 2001.

PROFESIONAL SERVICES:

University:

1. Chair, University Committee on Tenure and Promotion, 2009 – current.
2. Chair, Physical Therapy Clinic Task Force, 2007 – Current.
3. Member, University Grievance Committee, 2006 – 2007.
4. Member, Graduate Council, 2000 – 2010.
5. Member, Institutional Review Board (IRB), 1999-present.
6. Member, Task Force for Internationalization of the Curriculum, 2001-2007.
7. Member, Search Committee for the Dean of the School of Health Sciences, July/2000-January/2001.
8. Member, University of North Carolina Exchange Program, Committee for Germany May/2000-May/2001.

9. Member, University of North Carolina Exchange Program, Committee for Finland and Sweden, May/2001-present.

School of Health Sciences:

1. Chaired and served as a member on several search committees.
2. Member, School of Health Sciences Research Committee, 2006-current.
3. Member, International Committee of the School of Health Sciences, October/1999-present.
4. Chair, Committee on AIDS, 2000-2003.
5. Member, School of Health Sciences Newsletter Committee, May/2000-present.

Department of Physical Therapy:

1. Director, Community Care Clinic, 2008 – Current.
2. Chair, DPT task force, WSSU 2006 – 2010.
3. Chair, Department of Physical Therapy Research Committee, 1999- 2007.
4. Co-Chair, Department of Physical Therapy Admission Committee, 2001 – 2007.
5. Chair: Committee on Accreditation, 2001 – 2006.
6. Chair, Physical Therapy Curriculum Committee, October/1999 – present

Prominent Services:

- Initiating and directing pro bono community care clinic to serve the need of those who do not have access to PT services and to provide a place for practice for faculty and PT students. 2008 – Current.
- Initiating and implementing e-CARE Clinic to provide Health information to the underserved. 2008 - Current
- Presented workshops at community health fairs and community access TV to educate general public on spinal disorders.
- e-Training workshops and sessions series at Community Knowledge Centers and churches, 2007 – Current.
- Teaching in a joint program between Islamic Society of Raleigh and Duke University on Leadership and Culture.2006
- Taught Arabic Language to Non-Arabic speaking Individuals, Winston-Salem, NC, 2000-2002, and in Houston, TX, 1996-1999.
- Frequent speakers at Wake Forest University, School of Medicine on “Care of Muslim Patients”

Professional and Community Affiliations:

1. Member, American Physical Therapy Association, 1996-Current.
2. Member, American Physical Therapy Association, Special Interest Groups, HIV/AIDS, February/2000-2007.
3. Member, American Physical Therapy Association, Orthopedic Section, 1993-2010.
4. Member, American Physical Therapy Association, Research Section, 1996-2000.
5. Member, American Physical Therapy Association, Education Section. 1999-2001.
6. Associate Member, University of North Carolina-Center for AIDS Research (CFAR), October/2000-present

7. Director of MAS Outreach, Muslim American Society, Not-for-profit Organization, 2001-Current.
8. President, Annoor Center, MAT Not-for-Profit Organization, October/1999-present
9. Chair, Al-Iman School Committee, Elementary/Middle School – Raleigh, NC, June/2002 – 2004.

PERSONAL INFORMATION and OTHER INTERESTS:

1. Married with three children, carries American/Egyptian dual citizenship, and specially interested in cross cultural activities and programs.
2. Interested in outdoor activities, table tennis, and reading.

NATIONAL PROFESSIONAL SOCIETY ACTIVITIES:

- **Keynote Speaker**, 13th International Conference of Faculty of Physical Therapy, Evolution of PT Profession in USA, April, 2010.
- **Invited Speaker**, Al-Huda Satellite TV (English Channel), 20 Episodes addressing Spine, Neck and Low Back Issues, Broadcasted daily in Ramadan, 2009.
- **Invited Speaker**, Al-Rahma Satellite Channel (Arabic Channel), Get Healthy, Islamic Lifestyle. April, 2008.
- **Invited Speaker**, College of Medicine, Cairo University, Utilization of e-Health Education to Reduce Musculoskeletal Injuries. April, 2008.
- **Invited Speaker**, Muslim American Society (MAS) Raleigh Chapter, Get Healthy, Islamic Lifestyle. May, 2006.
- **Invited Speaker**, Multicultural Health Fair Sponsored by Islamic Association of Raleigh and REX Healthcare, Effect of Poor Posture on Health, April 2006.
- **Invited Speaker**, Education Committee of the Islamic Association of Raleigh, Low Back pain: How to prevent it? And if you have it how to deal with it? January 2006.
- **Invited Speaker**, Multicultural Health Fair Sponsored by Islamic Association of Raleigh and REX Healthcare, Back Pain and Spinal Disorders, April, 2005.
- **Invited Speaker**, Triangle Community Access Television Corporation, SEX Education in Public Schools, March 2003.
- **Invited Speaker**, American Physical Therapy Association, North Carolina Conference, Greensboro: HIV/AIDS and Aging, October 2002.
- **Invited Speaker**, UNC-CH Physical Therapy Research Forum: Conservative and Surgical Treatment Approaches for Low Back Instability, Kinetic and Kinematics Comparison, September 2000.
- **Invited Speaker**, Winston-Salem/Forsyth County Community Access Television Corporation, AIDS in Sub-Saharan Africa, August 2000.
- **Invited Speaker**, Winston-Salem/Forsyth County Community Access Television Corporation, AIDS Awareness, in Light of the 13th AIDS Annual Conference, Durban, South Africa, July 2000.
- **Invited Speaker**, Technology Symposium; Winston Salem State University, Technology oriented Physical Therapy Curriculum, May 2000.
- **Speaker**, WSSU, Department of Physical Therapy, Brown Bag Lunch: Biomechanics of Increased Exposure to Lumbar Injury Caused by Cyclic Loading, February 2000.

- **Invited Speaker**, NCPTA-District Meeting, Lumbar Spinal Fusion: Motion Pattern and EMG Activity of Selected Muscles, February 2000.
- **Invited Speaker**, Winston-Salem/Forsyth County Community Access Television Corporation, Vision: Hajj and Muslim Community, February 2000.
- **Invited Speaker**, Wake Forest University, Orthopedic Research Department. Motion Analysis, Electromyographic Activity and Ground Reaction Forces, Applications and Research Ideas. January 2000

COMMUNITY ACTIVITIES:

- **Inservices and Seminars:**
 - Women Committee of Raleigh, Neck and Back Pain, January 2003.
 - Islamic Center of Raleigh, History of the Prophets. Every Saturday (Night class) 2002-2007.
 - Society of Greater Houston- Southeast Houston, Safety of Your Back. June 1998.
 - Phoenix Health Care Nursing, Houston, Back Safety in Home Health, April 1998.
 - Society of Greater Houston-East side, Middle Eastern History, Series of Lecture, 1996-1998.
 - Society of Greater Houston- Southeast Houston, History of the Prophets Series of Lectures, 1994-1998.
 - Glen Forest Elementary School, Fairfax ISD, VA, Fasting and Health, 1993.
- Teaching Arabic Language to Non-Arabic speaking Individuals, Winston-Salem, NC, 2000-2002 and Houston, TX, 1996-1999.
- One of the founders of Iman Academy-Private School (K – 12) Houston, TX, 1994.