

**FATMA ABDEL FATTAH MOHAMMED
HEGAZY, PT, PhD**

*Professor, Department of Physiotherapy, College of Health
Sciences, University of Sharjah
Sharjah, United Arab Emirates
Professor, Faculty of Physical Therapy, Cairo University, Egypt.*



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EDUCATION:

- 2001 Ph.D. - Doctor of Philosophy, Physical Therapy, Cairo University
- 1997 M.Sc. - Master of Science, Physical Therapy, Cairo University- Faculty of Physical
Therapy
- 1992 B.Sc. - Bachelor of Science, Physical Therapy, Cairo University- Faculty of Physical
Therapy

EMPLOYMENT AND POSITIONS HELD:

- 2014 – 2018 **Chair of the Department of Physiotherapy**
College of Health Sciences, University of Sharjah, United Arab Emirates.
- 2018- 2020 **Coordinator of the Master in Physiotherapy Program,**
College of Health Sciences, University of Sharjah, United Arab Emirates.
- 2022- Till now **Professor**
College of Health Sciences, University of Sharjah, United Arab Emirates
- 2012- 2022 **Associate Professor**
College of Health Sciences, University of Sharjah, United Arab Emirates.
- 2006 – 2012 **Visiting Academic**
College of Health Sciences, University of Sharjah, United Arab Emirates.
- 2001 – 2006 **Assistant Professor**
Physical Therapy for Pediatrics Department, Faculty of Physical Therapy, Cairo
University, Egypt.

College of Physical Therapy, Misr University for Science & Technology, Egypt.

1997-2001

Lecturer

Physical Therapy for Pediatrics Department, Faculty of Physical Therapy, Cairo University, Egypt.

1994-1997

Demonstrator

Physical Therapy for Pediatrics Department, Faculty of Physical Therapy, Cairo University, Egypt.

1992- 1994

Physical Therapist, Cairo University Hospitals (AlQasr Alaini), Egypt.

CLINICAL EXPERIENCE:

2006- Present Patients Consultation & Clinical and Applied Practice for physiotherapy students in different UAE hospitals and rehabilitation centers, like Sharjah City for Humanitarian Services, Latifa Hospital, AlKuwaiti Hospital, Alqassimi Hospital, etc.

1992-2006. Patients Consultation; Clinical and Applied Practice for under graduated students. Cairo University Hospitals, Children Hospital (Abu Alreesh) and Imbaba Medical Institute for Poliomyelitis, ARE.

2006-2009. Patients Consultation and Treatment: University of Sharjah Clinic.

1999-2006 Out-Patients' Clinic – Faculty of Physical Therapy – Cairo University.

1992- 2006 Cairo University Hospitals (AlQasr Alaini).

2003-2006 The Egyptian Center for Physical Therapy.

1997- 2006 AL- Shorouk Hospital.

1997-2001 Prof. Dr. Tahsin Al-Hadidi Private Center of Rheumatology & Rehabilitation,

1994-1997 Prof. Dr. Kamal Shoukry Private Center of Pediatric Rehabilitation,

1992-1997 Prof. Dr. Ayman El-Garf Private Clinic

1992-1994 Prof. Dr. Emam El-Negamy Private Center of Physical Therapy,

LICENSURE INFORMATION/ REGISTRATION NUMBER:

- Physical Therapy Licensure:
 - UAE MOH license: R- 73974/ 1/ 2011
 - ARE MOH license: 1492/ 1994

ACADEMIC ACCREDITATION AND POST GRADUATE PROGRAM DEVELOPMENT:

- Development of Physiotherapy Master Program (Business plan and initial accreditation documents , 2015- 2018).
 - Development of the reaccreditation document of Bachelor program- Department of Physiotherapy - College of Health Sciences- University of Sharjah. (2016-2018).
 - Led department through a successful reaccreditation and campus evaluation visit for Physiotherapy Department - College of Health sciences- University of Sharjah.(2017)
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PROFESSIONAL AND COMMUNITY SERVICES – (UOS)

- Developing of “Facial Pain Clinic” in collaboration with college of Dental Medicine at University Dental Hospital Sharjah- (2017- 2018).
- Submitting proposal for activation for UoS Physiotherapy clinic (March, 2016)
- Submitting proposal for establishment “Sharjah Rehabilitation Institute” (March, 2016)
- Developing New University Elective course “Lifetime physical fitness and wellness“ , (October, 2015)
- Publishing many community awareness articles in public journals with several TV interviews.
- Holding a lot of collaborative activities with Sharjah City for Humanitarian Services, Sharjah Social Services Department. Targeting the Children with special needs and Elderly people.
- Proposing Memorandum of Understandings with Sharjah Social Services Department and Ministry of Community Development, UAE.
- Organizing a lot of Scientific and community based activities with no financial cost for UoS. (Companies sponsorship)
- Actively participating in many committees on the University, College and department levels.
- Giving ideas and participating in the College and department website development.
- Formation of the Physiotherapy students Society with many community based activities.
- Patients consultation services (volunteer)

Current Teaching Responsibilities:

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| ▪ Physiotherapy for Paediatrics | ▪ 0505451 |
| ▪ Physiotherapy for Paediatrics Lab | ▪ 0505451 |
| ▪ Clinical Practice for PT in Paediatrics and Gynecology. | ▪ 0505453 |
| ▪ Physiotherapy for Neurological Conditions | ▪ 0505360 |

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| ▪ Physiotherapy for Neurological Conditions Lab | ▪ 0505360 |
| ▪ Clinical Practice for Neurological & Musculoskeletal Conditions | ▪ 0505362 |
| ▪ Research Project | ▪ 0505460 |

Past Teaching Responsibilities:

Undergraduate level: (1993- 2018)

- Physical Therapy for Paediatrics
- Physical Therapy for Neurological Conditions
- Research Project
- Physical Therapy for Geriatrics
- Physical Therapy Management
- Introduction to Health Sciences
- Physical Therapy for Orthopedic and Traumatology Conditions.
- Physical Therapy Basic sciences courses.

Post-graduate level: (2001- 2006)

- Paediatric Physical therapy
- Human Growth and Development
- Advanced evaluation and clinical management
- Paediatric Rehabilitation
- Research Seminar

RESEARCH INTEREST:

- Modern Technology and advanced techniques in Physical Therapy.
- Physical Therapy for different surgical approaches in pediatrics
- Physical Therapy for Neuropediatric cases
- Electrotherapy and Electromagnetic field
- Professional Biomechanics
- Evidence Based Practice in Physical Therapy

PUBLISHED RESEARCHES:

- Short-term effect of inspiratory muscle training on pulmonary function after mitral valve replacement: Quasi experimental study. *Physiotherapy Practice and Research*, (2022)
- The effect of McKenzie protocol vs. deep neck flexor and scapulothoracic exercises in subjects with chronic neck pain – a randomized controlled study, *Eur Rev Med Pharmacol Sci Journal*, Vol. 26, No. 9 (2022)
- Effectiveness of cervical spine manual therapy in the management of temporomandibular joint disorders: A systematic review, *Advances in Biomedical and Health Sciences Journal*, Vol. 1, No. 1 (2022)
- Caregiver Perspectives on Physiotherapy Treatment for Paediatric Burns in the United Arab Emirates. *Patient Preference and Adherence*, Vol. 16 (2022)
- The Impact of Artificial Intelligence (AI) in Physiotherapy Practice: A Study of Physiotherapist Willingness and Readiness, *Journal of Hunan University Natural Sciences*, Vol. 49, No. 3 (2022)
- Validity and Diagnostic Accuracy of the Clarke's Angle in Determining Pediatric Flexible Flatfoot Using Radiographic Findings as a Criterion Standard Measure: A Cross-sectional Study, *Journal of the American Podiatric Medical Association*, Vol. 112, No. 1 (2022)
- Application of Theory in Chronic Pain Rehabilitation Research and Clinical Practice, *The Open Sports Sciences Journal*, Vol. 14, No. 1 (2021)
- Evidence-Based Physiotherapy Practice in Cardiopulmonary Subdiscipline: A Survey in United Arab Emirates, *Heliyon Journal*, Vol. 7, No. 9 (2021)
- Comparing Validity and diagnostic accuracy of Clarke's Angle and Foot Posture Index-6 to determine flexible flatfoot in adolescents: A cross-sectional investigation. *Journal of Multidisciplinary Healthcare*, 2021.
- Application of Theory in Chronic Pain Rehabilitation Research and Clinical Practice. *Open Sports Sciences Journal*, 2021.
- Knowledge, Attitude, Practice, and Fear of COVID-19: an Online-Based Cross-cultural Study. *International Journal of Mental Health and Addiction*, 2021.
- Effect of postoperative high load long duration inspiratory muscle training on pulmonary function and functional capacity after mitral valve replacement surgery: A randomized controlled trial with follow-up. *PloS ONE*, 2021, 16(8), e0256609.
- Demonstration of central conduction time and neuroplastic changes after cervical lordosis rehabilitation in asymptomatic subjects: a randomized, placebo-controlled trial. *Scientific Reports*, 2021, 11(1), 1-13.
- Contrasting effects of three breathing techniques on pulmonary function, functional capacity and daily life functional tasks in patients following valve replacement surgery- A pilot randomized clinical trial. *Heliyon*, 2021, 7(7), e07643.

- Evidence-based practice by physiotherapists in UAE: Investigating behavior, attitudes, awareness, knowledge and barriers. PLoS ONE, 2021, 16(6), e0253215.
- Physiotherapists' perspectives on barriers to implementation of direct access of physiotherapy services in the United Arab Emirates: A cross-sectional study. PLoS ONE, 2021, 16(6), e0253155.
- Maximal respiratory pressures and Maximum Voluntary ventilation in young Arabs: Association with anthropometrics and physical activity, Journal of Multidisciplinary Healthcare, Vol. 14, (2021)
- Comparing Validity and diagnostic accuracy of Clarke's Angle and Foot Posture Index-6 to determine flexible flatfoot in adolescents: A cross sectional investigation, Journal of Multidisciplinary Healthcare, Vol. 14, (2021)
- Validity and Diagnostic Accuracy of Clarke's Angle in Determining Pediatric Flexible Flatfoot Using Radiographic Findings as a Criterion Standard Measure. Journal of the American Podiatric Medical Association, 2021, 20-133.
- Validity and diagnostic accuracy of foot posture Index-6 using radiographic findings as the gold standard to determine paediatric flexible flatfoot between ages of 6–18 years: A cross-sectional study. Musculoskeletal Science and Practice, 46, 102107, 2020.
- Effect of lidocaine iontophoresis combined with exercise intervention on gait and spasticity in children with spastic hemiplegic cerebral palsy: A randomized controlled trial. NeuroRehabilitation, 1-9. 2020.
- Improving Planter Pressure Distribution Could Reduce the Risk of Fall in Patients with Diabetic Neuropathy. Journal of Neurology and Experimental Neurosciences. 6(1), 2020
- “Can the Stroke Impact scale 3.0 detect cognitive impairments in patients with a recent stroke?” accepted for Publication , Journal of Physical Therapy Science, 2019
- Sensitivity and Specificity of Normalized Truncated Navicular Height in Assessment of Static Foot Posture in Children Aged 6-12 Years. Hong Kong Physiotherapy Journal Vol. 39, No. 1 (2019) 15–23 DOI: 10.1142/S1013702519500021
- Does improvement towards a normal cervical sagittal configuration aid in the management of cervical myofascial pain syndrome: a 1-year randomized controlled trial. BMC musculoskeletal disorders 19 (1), 396, 2019.
- “Effects of foot wedge and carrying weighted bag on loading the paretic lower limb after stroke”. The 5th European Stroke Organisation Conference (ESOC 2019), Milan, Italy on 22-24 May 2019.
- Validation of Normalized Truncated Navicular Height as a clinical assessment measure of static foot posture to determine flatfoot in Children and Adolescents: A cross sectional study. The Foot, 37, pp. 85-90 2018.
- Reliability of normalized truncated navicular height in assessment of static foot posture in children (6–

- 12 years). *European Journal of Physiotherapy*, 2017, DOI:10.1080/21679169.2017.1422016.
- Biodex balance training versus conventional balance training for children with spastic diplegia. *Journal of Taibah University Medical Sciences*, 2017; 12(6), 534-540. (Elsevier)
 - Sensitivity and Specificity of Normalized Truncated Navicular Height in Assessment of Static Foot Posture in Children Aged 6-12 Years. *Hong Kong Physiotherapy Journal* (Accepted for publication on 1st November 2017).
 - The Effect of Low Intensity Pulsed Ultrasound Therapy on Osseointegration and Marginal Bone Loss around Dental Implants. *Journal of Hard Tissue Biology*, 2017, 26(4), 323-330.
 - Efficacy of Hyperbaric Oxygen Therapy on Cerebral Palsy Children, WCPT Congress, Cape Town, 2017.
 - Kinematic characteristics of reaching in children with hemiplegic cerebral palsy: a comparative study. *Brain injury*, 2017, 31(1), 83-89.
 - Does rehabilitation of cervical lordosis influence sagittal cervical spine flexion extension kinematics in cervical spondylotic radiculopathy subjects? *Journal of back and musculoskeletal rehabilitation*, 2017, 30(4), 937-941.
 - Effectiveness of foot wedge and carrying weighted bag on loading the paretic lower limb in children with hemiparetic cerebral palsy. *NeuroRehabilitation*, 2013, 32(3), 563-571.
 - Weight bearing after hip fractures, when to start? 3rd European Congress on Physiotherapy Education, Vienna, Austria, November 8 -9, 2012. WCPT
 - Combined effects of myofeedback and isokinetic training on hand function in spastic hemiplegic children. *Egyptian Journal of Medical Human Genetics*, 2012, 13(2), 183- 188.
 - Influences of purposeful activity versus rote exercise on improving pain and hand function in pediatric burn. *Burns*, 2012, 38(2), 261-268. [27 citations]
 - Effect of Reciprocating Gait Orthosis on Standing Balance in Children with Spastic Diplegic Cerebral Palsy. *Indian Journal of physiotherapy and occupational therapy*, 2012, 6(1), 32-35.
 - Effects of Exercise Program on Aerobic Capacity and Quality of Life in Children with Lymphoblastic Leukemia. *Physiotherapy Journal*, Volume 97 Supplements S1, 2011. ELSEVIER.
 - Energy Expenditure and Fatigue Induced Proprioceptive Defect Following Rehabilitation of The Reconstructed Anterior Cruciate Ligament. *Physiotherapy Journal*, Volume 97 Supplements S1, 2011. ELSEVIER.
 - Hyperbaric Oxygen Therapy and Cerebral Palsy Accepted in "Partnerships in Rehabilitation, Excellence in Acute Care" Conference on 4th and 5th December, 2011, KSA
 - Effect of Suit Therapy on Standing Posture in Children with Spastic Diplegia, 4th Middle East Rehabilitation Conference on 23 - 25th October 2011- Abu Dhabi.
 - Effects of Exercise Program on Aerobic Capacity and Quality of Life in Children with Lymphoblastic Leukemia .Accepted in the 16th International World confederation for Physical Therapy Congress, 20-23 June 2011. Amsterdam, Holland.
 - Energy Expenditure and Fatigue Induced Proprioceptive Defect Following Rehabilitation of The Reconstructed Anterior Cruciate Ligament. Accepted in the 16th International World confederation for Physical Therapy Congress, 20-23 June 2011. Amsterdam, Holland.

- Effect of Biofeedback and Isokinetic Training on Hand Function in Spastic Hemiplegic Children. November 10th, 2010, The Scientific Conference of the Department of Pediatrics, Faculty of Physical Therapy, Cairo University
- Posterior selective rhizotomy in management of children with spastic cerebral palsy (Systematic Review). . Bulletin of the 13th Scientific Physical Therapy Conference- Faculty of Physical Therapy – Cairo University, 2010.
- Effect of Postural Control Exercises in Spider cage on Standing Pattern in Spastic Diplegic Children, the 3rd International Emirates Physiotherapy Conference: Physio Dubai March 28-30, 2010.
- Efficiency of hyperbaric oxygen therapy on cerebral palsy children. April 18th-19th 2009, Bahrain. The 4th international Physiotherapy conference, Manama, Bahrain.
- Gravity Force Stimulation and Spinal Curvature in Hemiplegic Children. Bulletin of the 12th Scientific Physical Therapy Conference- Faculty of Physical Therapy – Cairo University, March 4th–6th 2009.
- Low-Intensity Laser Therapy versus Cryotherapy in Treatment of Juvenile Rheumatoid Arthritis Children. Bull. Fac. Ph. Th. Cairo Univ., 2007, 12. (2), 255-264
- Influence of Hyperbaric Oxygen Therapy on Tone Modulation, Gross Manual Dexterity and Inspiratory Capacity of Spastic Hemi paretic Cerebral Palsied Children. Bull. Fac. Ph. Th. Cairo Univ, 2006, 11 (2), 9-20.
- Selected Immunological Effects of Laser Acupuncture Therapy in Pneumonic Children. Bull. Fac. Ph. Th. Cairo Univ, 2006, 11(2), 1-7.
- Pulmonary Function Response to Respiratory Muscle Training by Incentive Spiro meter in Children with Down's syndrome published in The Scientific Journal of Al-Azhar Medical Faculty (girls) Vol.27 No 2. May 2006.
- Impact of Aerobic Exercise Training on Walking Pattern in Children with Down's syndrome. The Scientific Journal of Al-Azhar Medical Faculty (Girls), 2006, 27 (1). Al- Azhar University, Cairo, Egypt.
- Effect of Exercises in Spider cage on Standing Pattern in Cerebral Palsied Children. Bulletin of Lebanon Physiotherapy Syndicate, "Guidelines in Physiotherapy" 4- 5 Sep 2004.
- Selective Effects of Electromotor Stimulation in Hemiplegic Cerebral Palsied Children.
- Bull. Fac. Ph. Th. Cairo Univ, 2004, 9 (1).
- Electrical versus Vestibular Stimulation in Erb's Palsied Children. Bull. Fac. Ph. Th. Cairo Univ, 2004, 13 (1).
- Effect of 0.2mt, 50Hz Magnetic Field on the Immune System of Intrauterine Rats. Biophysics in Medicine and Biology, 20-22 Oct., 2003. Bulletin of 3rd International Biophysics Conference, Cairo-Egypt.
- The Efficacy of Pulmonary Rehabilitation Program in Management of Children with Bronchial Asthma. Published in Bulletin the 6th international scientific Conference of
- Physical Therapy: Prevention and Treatment. Faculty of Physical Therapy, March 2003, Cairo University, Cairo, Egypt.
- Temple Fay: A Neuro-developmental Approach. Bulletin of International Conference of Alternative Treatment "Children with special needs" National Center of Research. Jan. 2003. National Center of Research, Cairo, Egypt.

Peer Reviewed Publications Pending:

- Deed E. Harrison, Fatma Hegazy. Demonstration of Central Conduction Time and Neuroplastic Changes after Cervical Lordosis Rehabilitation in Asymptomatic Subjects: A randomized, placebo-controlled trial (under review) submitted to Clinical Neurophysiology
- Deed E. Harrison, Fatma Hegazy. Does improvement towards a normal cervical sagittal configuration aid in the management of cervical myofascial pain syndrome: A 1- year randomized controlled trial

(under review) (submitted to BMC musculoskeletal journal)

- Deed E. Harrison, Fatma Hegazy. The Effect of Normalizing the Sagittal Cervical Configuration for the Management of Cervicogenic Headaches: A 2-Year Pilot Randomized Controlled Trial (under review) submitted to pain medicine journal
- Efficiency of Neuromuscular Electrical Stimulation for Improving Gait Pattern in Hemiplegic Cerebral Palsied Children
- An evidence for high risk of cancer occurrence to infants exposed to 50Hz, 1.5 gauss magnetic field.
- Effects of Oxandrolone and exercise training on muscle strength in children with severe burn.
- Effect of Treadmill Training on Gait Kinematics in Children with Down' Syndrome.
- The Effect of Evenly Distributed Weights on Balance in Adolescents with Down's syndrome.
- Hazardous of Exposure to Electromagnetic Fields in Physical Therapy Departments.
- Effect of Low Intensity Low Frequency Pulsed Magnetic Field on Bone Density in Spastic Diplegic Children.

- **SCIENTIFIC CONFERENCES/ CONGRESS:**

- Scientific Committee Member for the International Musculoskeletal Medicine Congress, UAE
- Organizing committee member for 7th world congress on physics medicine and rehabilitation –Osaka Japan.
- Invited speaker in the coming the 18th International Scientific Conference of Physical Therapy Cairo University
- Invited Keynote Speaker at Saveetha College of Physiotherapy Stride 2017 International Conference October 2017, Saveetha University, Chennai, Tamilnadu, India.
- Speaker at the World Confederation for Physical Therapy Congress 2017, 2-7 July 2017, Cape Town, South Africa.
- Efficacy of Hyperbaric Oxygen Therapy on Cerebral Palsy Children, 5th Biennial Emirates Physiotherapy Conference, 19- 20 May, 2016.
- Invited Keynote Speaker in the 1st International and the IX Annual Conference of the Indian Academy of Cerebral Palsy (IACP)- 2014 under the theme of "Solutions for Problems in CP" on 9 - 13th October ; 2014 in Hyderabad- India .
- Invited Keynote speaker, 2nd Madinah International Conference for Medical Rehabilitation Updates, Madinah, KSA, November 2015.
- 7th Middle East Physical Medicine & Rehabilitation Conference, Dubai, January 2016.
- 5th Biennial Emirates Physiotherapy Conference, Dubai, May 2016.
- Sharjah city for humanitarian services conference (colored blocks), Sharjah, 2016.
- 2nd International workshop on Balance disorders & 6th MOH ENT Meeting, 2015.
- Solutions for a better life: World future leaders, Sharjah, February, 2016.
- New trends in Management of Cerebral Palsy, Abu Dhabi Neuro Rehabilitation Conference, and session chair, March 2015.
- Lidocaine Iontophoresis combined with Physical Therapy Intervention for children with spastic Hemiplegic Cerebral Palsy, World Confederation of Physical Therapy Congress, Singapore, May 2015.
- FCHS 3rd Annual International Conference Expanding the Scope of Physiotherapy Practice, November 2014.

- 10th annual conference on physical therapy “Recent Trends in Rehabilitation on Practice, 2014.
- 3rd Annual international Conference, Expanding the Scope of physiotherapy practice, Abu-Dhabi 2014.
- Bright Start Conference University of Sharjah held by Health Promotion Department and Excellence in Pediatric Institute, Sharjah, 2014.
- Invited International Keynote Speaker, 1st International Conference on Rehabilitation Sciences (Chairing scientific session, keynote speaker and conducted work shop). in Lahore, Pakistan, 2014.
- 6th Middle East Physical Medicine and Rehabilitation conference, Panelist & Speaker, Abu-Dhabi, 2014.
- 14th International scientific Conference, Faculty of Physiotherapy, Cairo University under the title of: “Physical therapy the Future of Treatment”, Cairo, 2013.
- 1st Dubai Orthopedic Educational Seminar, session Chair & Speaker, 2013.
- ” Osteoarthritis & Pain management “Advances in pulsed electromagnetic field therapy, Dubai, 2013.
- The 3rd European Congress on Physiotherapy Education, ‘Weight bearing after hip fractures, when to start?’ Speaker. November 8 to 9, 2012 in Vienna, Austria.
- The 5th Middle East Physical Medicine and Rehabilitation Conference. Chair Scientific Session. 15 - 16th October 2012, Abu Dhabi, UAE.
- "Partnerships in Rehabilitation, Excellence in Acute Care", Hyperbaric Oxygen Therapy and Cerebral Palsy. Speaker. 4th and 5th December, 2011, Riyadh, KSA.
- The 4th Middle East Rehabilitation Conference. Effect of Suit Therapy on Standing Posture in Children with Spastic Diplegia. Speaker, Chair Scientific Session. 23 - 25th October 2011, Abu Dhabi, UAE.
- The Scientific Conference of the Department of Pediatrics, Faculty of Physical Therapy, Cairo University. Effect of Biofeedback and Isokinetic Training on Hand Function in Spastic Hemiplegic Children. Speaker. November 10th, 2010, Cairo, Egypt.
- The 13th Scientific Physical Therapy Conference- Faculty of Physical Therapy, Cairo University. Posterior selective rhizotomy in management of children with spastic cerebral palsy (Systematic Review). Chair Scientific Session, Speaker. April 1-2nd, 2010, Cairo, Egypt
- The 3rd International Emirates Physiotherapy Conference: Physio Dubai 2010 Effect of Postural Control Exercises in Spider cage on Standing Pattern in Spastic Diplegic Children. Speaker. March 28-30, 2010, Dubai, UAE.
- The 4th international Physiotherapy conference, Manama, Bahrain.
- Efficiency of hyperbaric oxygen therapy on cerebral palsy children. Speaker. April 18th- 19th 2009, Bahrain.
- The 12th scientific physiotherapy conference. Physiotherapy towards development and improvement. Chair Scientific Session, Speaker. March 4th – 6th 2009, Cairo, Egypt.
- The 2nd Emirates Physiotherapy Conference. April 20th – 22nd 2008 in Dubai, UAE.
- The 2nd Student Conference of University of Sharjah. March 26th-27th 2008 in UOS, Sharjah, UAE.
- International Conference on Arabs’ & Muslim history of science. Organization and Scientific Committee. Chair Scientific Session. March 24th – 27th 2008 in UOS, Sharjah, UAE.
- The 8th Congress of Gulf Disability society on disability and related services Speaker. Disability and related services. March 18th- 20th 2008 in Sharjah, UAE
- Conference on Organ Transplantation- Medical and Surgical aspects, Organ Transplantation. March 15th, 2008 in GMC, Ajman, UAE.
- The 11th International Scientific Conference. March 6th-7th 2008 in Cairo University, Cairo, Egypt.

- Conference on Updates in management of Respiratory Diseases management of Respiratory Diseases. Feb 23rd, 2008 in Fujairah, UAE.
- The 2nd Pan Arab Human Genetics conference with 11 CME points from Human genetics. Nov. 20th – 22nd 2007 in Dubai, UAE.
- The 10th scientific conference .Physical Therapy and Future Challenges. Speaker. March 1st-2nd 2007 in Cairo University, Cairo, Egypt.
- The 2nd annual international conference of the medical research division, Contemporary researches on health problems. Speaker. Dec. 17th-19th 2003, Cairo, Egypt.
- The 3rd International biophysics conference. Biophysics. Speaker. Oct. 20th- 22nd 2003, Cairo, Egypt.
- The 6th international scientific conference. Physical therapy: prevention and treatment, Speaker. March 13th – 14th, 2003 Cairo Egypt.

PUBLISHED BOOKS:

- Series of Home Guidance to Improve Motor Skills. Part 1. Supine Position Exercises.
Publisher: Sharjah City for Humanitarian Services Sharjah, UAE. March 2008 ISBN 978-9948-411-38-3
- Series of Home Guidance to Improve Motor Skills. Part 2. Sitting Position Exercises
Publisher: Sharjah City for Humanitarian Services. Sharjah, UAE. October 2010 ISBN 978-9948-411-40-6
- Series of Home Guidance to Improve Motor Skills. Part 3, 4, 5. Standing, Walking and Balance Exercises.
Publisher: Sharjah City for Humanitarian Services .Sharjah, UAE. November 2012 ISBN 978-9948-411-43-7
- Cerebral Palsy Syndrome
2008, Sharjah City for Humanitarian Services, Sharjah, UAE.
- Applied Physical Therapy for Pediatrics
2004, Faculty of Physical Therapy – Cairo University.
- Curriculum for Pediatrics Physical Therapy department. (Undergraduate and Postgraduate Students)
1997, Faculty of Physical Therapy – Cairo University.
- Modern Trends in Pediatric Physical Therapy
1996, Faculty of Physical Therapy – Cairo University.

RESEARCH GRANTS:

- The Role of an Innovative 3D Cervicothoracic Orthosis in the Management of Adolescent Idiopathic Scoliosis. A Randomized controlled trial. (University of Sharjah)

- Prevalence of Scoliosis in UAE School Children. A Cross-sectional Study, University of Sharjah, 2017. (Submitted).
- Relationship between Obesity and Level of Physical Activity among UAE Primary School Children, 2013. University of Sharjah. (Accepted). 20000 Dirhams, UoS.
- The Effect of Normalizing the Sagittal Cervical Configuration for the Management of Cervicogenic Headaches: A 2-Year Pilot Randomized Controlled Trial (under review). Funded by Chiropractic BioPhysics Non Profit, Inc. USA. Amount of fund : supplied the 200 cervical denneroll device used in this study (about 10000 dollar)
- Deed E. Harrison, Does improvement towards a normal cervical sagittal configuration aid in the management of cervical myofascial pain syndrome: A 1- year randomized controlled trial (under review) .Funded by Chiropractic BioPhysics Non Profit, Inc. USA Amount of fund : supplied the 50 cervical denneroll device used in this study (about 2500 dollar)

Grant Applications Currently in Progress:

- Project 2 Title: The Effect of Weight Loss on Normalization of Postural Control, Gait Performance and Associated Maladaptive Neuroplastic Changes. A randomized Controlled Study.(awaiting for decision)

- Project 3 Title: Multidisciplinary Approaches for the Prevention of Fall Incidents in the Community-Dwelling Elderly People of the United Arab Emirates. (In collaboration with college of Engineering, UoS and awaiting for decision)
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List of scholarly activities

Referee and review activities

Journals refereed

NeuroRehabilitation

Brain Injury

Journal of Pain Research

Journal of Parkinsonism

International Journal of Therapy and Rehabilitation

Journal of back and musculoskeletal rehabilitation.

International Journal of General Medicine

Austin spine journal

Journal of Taibah University (Elsevier)

Bulletin of Faculty of Physical Therapy Cairo University

Participation in Thesis and Oral Examination Committees

Level Number of Examinations

PhD Students N/A	3
Master Students	6
Undergraduate Research Projects	15

Research project refereed

Service as reviewer for the research projects - Science and Medical Studies Department- King Saud University

Conferences refereed

World Confederation of Physical Therapy Congress.

World Confederation of Neurorehabilitation Congress

International Scientific Conference of Physical Therapy, Cairo University.

Annual Conference of the Indian Academy of Cerebral Palsy (IACP)

Research Groups:

Autonomous Robotics and Active Vision Research Group - College of Engineering- UoS

Master Thesis Supervision

- Efficiency of lumbar braces of the back pain systematic review, Faculty of Medicine & Health Sciences, Universiteit Stellenbosch University, 2017-still running.
- The effect of Ultrasound therapy on Osseo integration and Marginal bone loss around implant supported prosthesis. College of Dentistry, UoS, 2016.
- Effect of Three Various Motivations on Management of Head Control in Cerebral Palsied Children, Faculty of Physical Therapy, Cairo University, 2003
- Correlative Analysis between Degree of Spasticity and Angle of Wrist joint During Grasping in Spastic Cerebral Palsied Children, Faculty of Physical Therapy, Cairo University, 2003.
- Effect of Postural Control Exercises in spider cage on standing pattern in spastic Diplegic Children, Faculty of Physical Therapy, Cairo University, 2003.
- Efficacy of Hyperbaric Oxygen Therapy on Spastic Cerebral Palsy Children Faculty of Physical Therapy, Cairo University, 2004.

Scientific Event

We covered a session in the **Professional diploma in vestibular science** course under the title Vestibular rehabilitation Therapy. We highlighted the role of physical therapy rehabilitation in different vestibular disorders 2/6/2017 (Event name: **Professional diploma in vestibular science** course for the audiologists)

OTHER SCIENTIFIC ACTIVITIES:

2008- Present	Monthly scientific meeting of the Emirate Neuroscience Society, U.A.E.
Aug 11 th -13 th 2008	Course on the quality of the Educational process Cairo University, Cairo, Egypt.
April 19 th , 2008	Manual Task Risk, Assessment and Control Dubai, UAE.

Spring Semester 2008 Blackboard Training sessions: “Building your courses, Enhancing Communication and Online tests and surveys”, at UOS Sharjah, UAE.

March 10th, 2008 First aid and community safety course
UOS, Sharjah, UAE.

March 1st, 2008 The Emirates Pathologists meeting
UOS, Sharjah, UAE.

Dec 8th, 2007 Seminar on Women’s Health Imaging.
UOS, Sharjah, UAE.

July 24th -26th 2007 Modern directions of teaching
Cairo University, Cairo, Egypt

July 9th -11th, 2007 Credit Hours course,
Cairo University, Cairo, Egypt.

June 25th –27th 2007 Research Administration course
Cairo University, Cairo, Egypt.

June 18th - 20th 2007 Technical writing and international publishing course
Cairo University, Cairo, Egypt.

April 7th 2007 Update in Neurology / Neuroscience.
Rashid Library and Auditorium, Dubai, UAE.

March 29th, 2007 The 1st workshop on ultrasound tools & applications
Ultrasound Research Group (URG), Sharjah University, Sharjah, UAE.

March 17th -24th 2007 National Physiotherapy Week Emirates Physical Therapy Society, UAE.

March 15th, 2007 University of Sharjah Physiotherapy Day, Sharjah University, Sharjah,
UAE.

Feb 12th, 2007 Health Care Delivery System in UAE, by Dr. Amina Al-Marzouqi,
Sharjah, UAE.

Feb 1st, 2007 The Rehabilitation Service efficiency of The Spine injuries" by Dr. Pac
Paul (Germany). in Holiday International Hotel –Sharjah, UAE

Jan 27th – 28th, 2007 Evidence Based Medicine” (A user –Friendly Workshop), Sharjah, UAE

Jan 24th -25th, 2007 The Blackboard orientation week Sharjah University, Sharjah, UAE.

Jan 2007 Treating Back and Neck Disorders with Spinal Education
by H. Duane Saunders, Sharjah, UAE

Dec 11th, 2006 The State of Research at the University of Sharjah and Ways to Improve it
The college of Graduates Studies and Research, Sharjah, UAE

November 12th, 2006 Mind fullness and Stress Release Program,

by Prof .Kay Wilhelm, Sharjah University, Sharjah, UAE

Feb 23rd -24th, 2005 The 27th annual meeting of the Egyptian society for joint disease and arthritis, Cairo, Egypt

Invited Symposium Talks:

- Symposium on“Physical Therapy the Present and Future” The 1st International Symposium of Physical Therapy. Jan 9th-10th 2009 in Cairo, Egypt
- Symposium on Modern Trends in The management of Stroke. The 6th Al-Zahra Symposium. November 23rd, 2006 in Radisson SAS Hotel, Sharjah, UAE
- Symposium on the treatment of the functional disturbances of the knee joint. Feb 24th, 2006 in GPTS, Cairo, Egypt.

WORKSHOPS:

- Organizing Aquatic therapy workshop in UOS, Sharjah, UAE. 2018
- Attending the Strategic planning and leadership in higher education (workshop) -Institute of leadership in higher education -2018
- Organizing Manual Therapy Workshop (Mulligan concept), 28- 31st March, 2017 in UOS, Sharjah, UAE.
- Organizing orthopedic manual therapy for the cervical spine workshop: held in University of Sharjah, United Arab Emirates under supervision of Primephysio UK 2017.
- Organizing Diers formetric III 3D/4D spine and postural analysis workshop. Formetric equipment training 2017 in UOS, Sharjah, UAE.
- “Effective teaching” How to set the priorities of the course outcome, efficiently describe and apply them. UOS, Sharjah, UAE 2017
- “Using technology in teaching” How to incorporate and apply new technologies in the actual process of lecturing gaining maximum attention and participation as well as feedback. UOS, Sharjah, UAE 2017
- Medical Taping Concept workshop, UAE, 8-9th December, 2016 in UOS, Sharjah, UAE.
- Dubai Educational Evening “Orthopedics” on 13th October 2016, Sheraton Mall of Emirates, Dubai, UAE.
- Critical Appraisal Advanced Workshop, Dubai Health Authority, 24-25th May, 2016, Dubai, UAE.
- Physiotherapy Management Of Spinal Cord Injuries Course, International Society of Spinal cord injury, 2nd May -6th June, 2016
- Physiotherapy Management of Spinal cord injuries Work shop, 28-29th January, 2016 in UOS. Sharjah, UAE.

- Toward better care for geriatrics 12th Scientific Physical Therapy Conference- Faculty of Physical Therapy – Cairo University. March 6th 2009. Cairo, Egypt.
- Quality of educational chances 12th scientific physiotherapy conference. March 5th 2009 Cairo, Egypt.
- Workshop on introduction and importance of orthotics for disabled. Feb 19th 2009, Ajman, UAE.
- Cranial field in osteopathy. Jan 11th- 14th 2009, Cairo, Egypt.
- Workshop on Can you Justify your Physiotherapy Practice. Jan 11th, 2009 in Cairo, Egypt.
- Workshop on Building Bone Health into Your Practice Osteoporosis Functional Examination and Exercise Prescription. Jan 10th, 2009 in Cairo, Egypt.
- The 7th Learning Skills Workshop. Sep 14th, 2008 in UOS, Sharjah, UAE.
- Work shop on statistics for non- statisticians. April 24th- 26th 2008, Sharjah, UAE.
- Evidence based practice in Cardiopulmonary Physiotherapy. April 23rd, 2008 in Dubai, UAE.
- Applied neurosciences for neuro-pediatric physiotherapists. April 18th-19th 2008, Dubai, UAE.
- Workshop on studying with brain harmony. April 25th, 2007 in UOS, Sharjah, UAE.
- Workshop on Family maltreatment. April 5th, 2008 in UOS, Sharjah, UAE.
- Higher education in knowledge society: Chances and challenges. July 11th – 12th 2007 Cairo University, Cairo, Egypt.
- Training the Trainers Workshop “Student Assessment for Health Problem Education” Feb. 3rd, 2007, Sharjah, UAE.
- Workshop on individual planning and goal’s formation. April 4th, 2007 in UOS, Sharjah, UAE.
- Evidence – Based medicine. 27-28 Oct 2007, Sharjah, UAE

CONTIOUS EDUCATION AND TRAINING COURSES:

- Training Course “How to get polished in a high impact research journal” UOS 2017
- Training Course in Curriculum Design. Aug 2006, Faculty and Leadership Development Project (FLDP) – Cairo University, Cairo, Egypt.
- Training Course in Effective Communication. Aug 2005, Faculty and Leadership Development Project (FLDP) – Cairo University, Cairo, Egypt.

- Training Course in Decision Making and Problem Solving. June 2005, Faculty and Leadership Development Project (FLDP) – Cairo University, Cairo, Egypt.
- Training Course in Skills Development in Youth Care. Nov 2004, Faculty and Leadership Development Project (FLDP) – Cairo University, Cairo, Egypt.
- Training Course in Effective Presentation. Dec 2004, Faculty and Leadership Development Project (FLDP) – Cairo University, Cairo, Egypt.
- Training Course in Sports Medicine. Feb. 2003, Ministry of Youth and Sports, Cairo, Egypt.
- Training Course of Rs-Scan Pressure Distribution System. Oct. 2002, by medical engineering System Company, Cairo, Egypt.
- Training Course of the UV Cabins. April 2002, supplied from Biomedical Company, Cairo, Egypt.
- Training Course of the Spine Analysis System. April 2002, Faculty of Physical Therapy, Cairo University, Cairo, Egypt.
- Training Course of the Cardiopulmonary Exercise Test System. March 2002, Faculty of Physical Therapy- Cairo University, Cairo, Egypt.
- Training Course in Motion Analysis system “Qualisys”. Dec. 2001, Cairo, Egypt.

MEMBERSHIPS ASSOCIATIONS & SCIENTIFIC ORGANIZATIONS:

- North American Spine Society (NASS)
USA
- World Confederation of Physical Therapy (WCPT)
UK
- American Academy for Cerebral Palsy and Developmental Medicine (AACPDM)
USA
- Society of Arabic Faculties & Institutes of Physiotherapy...
Lebanon – Nominated as the GCC representative (2016- till present)
- Middle East Association of Alternative Treatment
Egypt
- Emirates Physiotherapy Association
UAE
- Emirates Neuroscience Association
UAE
- Egyptian Physical Therapy Syndicates “EPTS”
Egypt
- Science Advisory Board
USA

AWARDS:

- ✓ Achieved the first place in The Annual Incentives for the outstanding faculty members - University of Sharjah, 2009/ 2010, 2018- 2019, and 2019- 2020.
- ✓ And Nominated for Gayle G. Arnold Research Award by AACPD 2013.
- ✓ Nominated for The Khalifa Award (Community Services) by the college and her highness: Shaikha Gamila Alqassimi, 2010/ 2011.
- ✓ Honored as the youngest to get PhD in Physical Therapy, Egyptian Universities, 2001.

REFERENCES:

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- Prof. Dr. Mohamed Sabbahi +1 (713) 7942309 hf_sabbahi@twu.edu
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- Prof. Dr. Hoda Abdul Al-Zeem El-Talawy +201006605506 hoda_eltalawy@hotmail.com
Supreme Council for Egyptian Universities
- Prof. Dr. Alaa A. Balbaa +201005167796 balbaaa@hotmail.com
Dean- Faculty of Physical Therapy- Cairo University

PERSONAL SUMMARY:

- Head of Department of Physiotherapy, College of Health Sciences, University of Sharjah.
- Egyptian Nationality
- Muslim
- Date of birth 09/08/1971

- Skills : SPSS, SAS, Microsoft Word, Access, Excel, PowerPoint
 - Languages
 - Arabic: mother tongue
 - English: fluently
 - German: moderate
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