



Curriculum Vitae

Name: Hala Mohamed Ezz Eldeen Hamed

Title: Dean

Department: Faculty of physical therapy

Qualifications:

- Bachelor's Degree in Physical Therapy, Cairo University, 1983
- Master's degree in physical therapy of Cardiopulmonary Disorders & Geriatrics, 1989.
- Ph.D in Physical Therapy of Cardiopulmonary Disorders & Geriatrics, 1995.

Career Hierarchy:

- | | |
|------------------------|-------------|
| - Teaching Assistant, | Date: 1986 |
| - Assistant Lecturer, | Date: 1990 |
| - Lecturer, | Date: 1995. |
| - Associate Professor, | Date: 2003 |
| - Professor | Date: 2008 |



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Scientific Activities

1: Membership of Professional Organizations and Scientific Societies

- The General Physical Therapy Syndicate Egypt, until now.
- Egyptian Physical Therapy Association, until now.
- The Egyptian Medical Association for the Study of Obesity, until now.
- The Egyptian Association for Sport Medicine, until now.
- The Scientific Association for Cardiology, until now.
- The Scientific Association for Geriatrics, until now.
- The Scientific Association for Internal Medicine, until now.
- The Middle East Association for Alternative Medicine, until now.
- Scientific Board of Egyptian Fellowship Program for Physical Therapy, Egyptian Ministry of Health, until now.
- Committee of the Physical Therapy Sector of the Supreme Council of Universities, till 2020.
- Scientific Committee responsible for establishing the Egyptian National Board Examination of Physical Therapy, Physical Therapy Sector of the Supreme Council of Universities, until now..
- Chairman of the Council of Community Affairs and Environmental Development, Faculty of Physical Therapy, Cairo University, 2015-2018.
- Council of Community Affairs and Environmental Development, Cairo University, 2015-2018.
- Council of Physical Therapy College, Cairo University, 2015-2018.
- Postgraduate & Researches affairs Committee, Physical Therapy College, Cairo University, 2012-2018.



- Council of Education & Students Affairs Committee, Physical Therapy College, Cairo University, 2012-2018.
- Board of Physical Therapy Department of Cardiopulmonary Disorders and Geriatrics, Faculty of Physical Therapy, Cairo University, 2012-2018.

2: Training Courses/workshops:

Workshop on "Developing an Effective Teaching Portfolio" held on 2010 at College of Applied Medical Sciences, King Faisal University.

- Workshop on "Rubrics باستخدام القواعد" held on 2009 at Ministry of Higher Education, Umm Al-Qura University.
- Workshop on "Planning Administration of a Clinical Education Program" At College of Applied Medical Sciences, King Faisal University in partnership with Texas Woman' University (2006).
- Workshop on "Problem-based Learning", King Faisal University (2006)
- Workshop on "Exam Blueprint Utilization for allied health students", King Faisal University (2006).

3: Conferences, Seminars and Workshops: AS A Speaker

- The 15th international scientific conference of Faculty of Physical Therapy, Cairo University under the title of "Technology Manual Therapy in Physical Therapy" Cairo, (4-6 March 2014)
- 1st International Conference of Faculty of Physical Therapy, Cairo University, Unit of Orthoses Prostheses. (2-3 April, 2014)
- The 14th international scientific conference of Faculty of Physical Therapy, Cairo University under the title of "Physical Therapy the Future of Treatment" Cairo, (25-26 April 2013)
- Workshop on "Research Methods Applied Statistics" held on 2012, at University of Dammam.
- Workshop on "Program Course Documentation" held on 2011, at University of Dammam.
- The 7th GCC Medical Preconference workshop on "Research Design in Medical Education" held on 2011, at University of Dammam.
- Speaker Session Chairperson in "Saudi Physical Therapy Conference 2010", at



Department of Physical Therapy College of Applied Medical Sciences, University of Dammam.

- The 8th international scientific conference of faculty of physical therapy, "Physical Therapy and Future Technology", 2005 Cairo University.
- The 2nd Scientific training session for improving manual and therapeutic skills for physiotherapists in Egypt, Faculty of Physical Therapy, Cairo University (2005).

4: Teaching Scopes:

- Physical Therapy for Internal Medicine, Pulmonary Disorders and Intensive Care.
- Physical Therapy in cardiopulmonary disorders Surgery and ICU.
- Physical Therapy for Geriatrics.
- Physical Therapy for Cardiology.
- Research Seminar I II in Physical Therapy.
- Physical Therapy Issues of long-term care services for the elderly.
- Diseases of Cardiopulmonary System.
- Theories of Cardiopulmonary Rehabilitation.
- Independent Study.
- Intensive Care Unit, Respiratory Therapy.
- Concepts of Patient Compliance.
- Industrial Physical Therapy.
- Physical Therapy Evaluation.
- Research Methodology. Rehabilitation Topics.
- Introduction for Physical Therapy, MSPT 215.
- Electrophysical Agents I, MSPT 216.
- PT Examination Procedures, MSPT 224.
- Therapeutic Exercises, MSPT 315.
- Cardiopulmonary Physical Therapy, MSPT 327.
- Independent Study, MSPT 426.
- Clinical Practice I, MSPT 317.
- Clinical Practice II, MSPT 328.

5: Scientific supervision:

Several Masters and PhD theses supervisions since 2000



6: Awards and Certificates of Appreciation:

- Certificate of Appreciation from the Faculty of Applied Science for establishing the Female Section of the Physical Therapy Department, 2011.
- Certificate of Appreciation from the Faculty of Physical Therapy for the efforts contribution to obtaining Accreditation & Quality, 2014.
- Certificate of Appreciation from the Faculty of Physical Therapy for the efforts contribution to obtaining International Accreditation, 2015.

7: Peer reviewing of scientific research/ Projects:

- Journal of Back and Musculoskeletal Rehabilitation [International Journal], since 2016
- Bulletin of Faculty of Physical Therapy [International Journal], since 2012
- Bulletin of Egyptian Society for Physiological Sciences [National Journal], since 2012
- Kasr El Aini Medical Journal [National Journal], since 2012
- Journal of Advanced Research (JARE), Elsevier [International Journal], since 2010

8: Other Activities: Published Scientific Books:

- “Physical Therapy for Cardiopulmonary Diseases and Its Surgeries” First Edition, 2016-2017
- “Efficacy of Chest Physical Therapy in Pediatric Pneumonia” Published by Lambert Academic Publishing (LAP), 2016
- “An Introduction to Chest Physical Therapy” Second Edition, 2016.
- “Physical Therapy for Cardiopulmonary Diseases & its surgeries Note” 1st edition, 2021
- “Exercise Physiology Study Guide” 1st edition, 2022

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Skills

- **Language Skills:** Arabic & English
- **Computer Skills:** Word, Excel & power point.
- **Presentation skills:**
- **Other skills:**

Scientific Publications:

I: published Scientific Papers Extracted From the Masters and Ph.D Theses:

1. Comparison Between Selected Physical Therapy Program and Bracing on Pulmonary Function in Mild Idiopathic Scoliosis. *Bulletin of Faculty of Physical Therapy, Cairo University, vol. 2, 1997.*
مقارنة بين برنامج العلاج الطبيعي المختار والدعامات على وظائف الرئة في حالات انحناء العمود الفقري البسيطة.
2. Transcutaneous Electrical Nerve Stimulation for Pain Control in Angina Pectoris. *The 2nd Scientific Conference, ACPT, Bulletin, 1999.*
استخدام التنبيه الكهربائي (التنس) للتحكم في الألم لمرضى الذبحة القلبية.
3. Effect of Aerobic Training in the Clinical Management of Asthmatic Children. *Bulletin of Faculty of Physical Therapy, Cairo University, vol. 2, 2000.*
تأثير التمرينات الهوائية على التدخل الإكلينيكي للأطفال ذوي الربو الشعبي.
4. Impact of Aerobic Training Upon Physical Fitness of Firefighters in Cairo City. *Bulletin of Faculty of Physical Therapy, Cairo University, vol.10, no. (2), Jul. 2005.*
تأثير تحسين الكفاءة البدنية لرجال المطافئ في مدينة القاهرة.
5. Healing Outcomes After Ultrasonic Versus Hyperbaric Therapy in Diabetic Foot Ulcer. *National Diabetic Journal, 2006.*



نتائج الشفاء باستخدام الموجات فوق الصوتية مقابل الأكسجين المضغوط في علاج القدم السكري.

6. Exercise Tolerance Responses to Prolonged Pulmonary Rehabilitation Program After Posterior Approach Surgical Correction of Idiopathic Adolescent scoliosis. *Bulletin of Faculty of Physical Therapy, Cairo University, vol.12, no. (2) Jul. 2007.*

التغير في تحمل التمرينات بعد برنامج التأهيل الرئوي طويل المدى بعد جراحة تقويم العمود الفقري الخلفية لمرضى انحناء العمود الفقري لدي المراهقين.

7. Role of Non-Invasive Continuous Positive Air Way Pressure in Management of Acute Cardiogenic Pulmonary Edema. *Bulletin of Faculty of Physical Therapy, Cairo University, vol.10, no. (1) Jan. 2005.*

دور جهاز التنفس الإيجابي المستمر الغير تداخلي في علاج الارتشاح الرئوي الحاد

8. Effect of Physical Therapy Program for Cervical Spondylosis on Maximum Ventilatory Ventilation and Diaphragmatic Motor Nerve Conduction. *Bulletin of Faculty of Physical Therapy, Cairo University, vol.10, no. (1) Jan. 2005.*

تأثير برنامج العلاج الطبيعي لمرضى خشونة الرقبة المزمنة على أقصى معدل لتهوية الرئتين وعلى توصيل العصب الحركي للحجاب الحاجز.

9. Effects of Moderate Aerobic Exercise Training in Postmenopausal Hypertensive Obese Women. *2nd Annual meeting of The Egyptian Medical Association for Study of Obesity, February, 2005, Cairo, Egypt.*

10. Transcutaneous Electrical Nerve Stimulation for Chronic Refractory Angina. *Journal of National Heart Institute, 2006.*

التنبيه الكهربائي عبر الجلد في الذبحة الصدرية المقاومة.

11. Selected ventilatory functions response to open and closed kinematic chains training in elderly. *Bulletin of Egyptian Society for Physiological Sciences, 30 (1), Jul. 2010.*

استجابة وظائف التهوية المختارة لتمارين الذراعين للسلسلة الكينماتيكية المغلقة والمفتوحة لكبار السن.

12. Maximum Ventilatory Ventilation and Diaphragmatic Motor Nerve Conduction time responses to intermittent Cervical Traction in cases of Cervical Spondylosis. *Bulletin of Saudi Physical Therapy Conference 2010, University of Dammam, 18-20 May 2010.*

13. Comparative Study of Peak Oxygen Consumption and Walk Test as A Measure of Exercise Capacity for Chronic Obstructive Pulmonary Disease Patients. *Bulletin of Saudi Physical Therapy Conference 2010, University of Dammam, 18-20 May 2010.*

14. Cardiopulmonary Exercise Testing in Thalassemia After a Rehabilitation Program. *Journal of Arab Child, vol. (21), No (3), Sep., 2010.*

اختبارات تمرينات القلب و الرئة في أطفال مرض الثلاسيميا بعد برنامج إعادة التأهيل

15. Effect of Electro-Acupuncture on Serum Level of Leptin Hormone in Diabetesity Female. *Medical Journal of Cairo University, 2017.*



16. Plasma Renin Response to Treadmill exercise in Secondary Hypertension Kidney Disease Patients. *European Journal of preventive Medicine*, 2017.
17. Effect of Low-Level Laser Therapy in Type II Diabetes Mellitus Complicated with Tarsal Tunnel Syndrome". *International Journal of Health and Rehabilitation Sciences (IJHRS)*, 2017.
18. "Effects of Progressive Exercise Program on the Bleeding Frequency in Hemophilic Patients". *International Journal of Recent Advances in Multidisciplinary Research*, 2018.
19. "Impact of Transcutaneous Electrical Nerve Stimulation (TENS) on Hyposalivation in Type 2 Diabetics". *Bioscience Research*, 2019 16(1).
20. "Flutter versus Active Cycle of Breathing Techniques on Blood Gases in COPD Patients". *International Conference of Faculty of Physical Therapy*, 2019.

II: Post-Doctoral Published Scientific Papers:

1. Influence of Life Style Upon the Ability of Performing the Activities of Daily Living Among the Elderly Women. *Zagazig University Medical Journal*, vol. 4, 1998.
تأثير أسلوب المعيشة على المقدرة على أداء أنشطة الحياة اليومية لدى السيدات المسنات .
2. Correlative Study Between Musculoskeletal Changes on Daily Activities and Instrumental Daily Activities on Elderly Women. *Minufiya Medical Journal*, vol. 10, 1998.
دراسة مقارنة بين التغيرات العظمية على النشاط اليومي المعتاد والنشاط اليومي باستخدام الأجهزة في النساء كبار السن .
3. Chest Problems in Sports Versus Non-Sports Diabetic Patients and Its Relevancy to PFMT. *4th International Annual Conference of GOTHI. The General Organization of Teaching Hospitals & Institutes*, vol. 40, 1999.
المشاكل الصدرية في الرياضيين وغير الرياضيين من مرضى السكر وعلاقتها بمعدل اندفاع الهواء العالي .
4. Variability of Cardiopulmonary Response to Upper Limb Exercises After Coronary Artery Bypass Graft. *Zagazig University Medical Journal*, vol. 6, 1999.
اختلاف الاستجابة الدورية التنفسية لتمارين الأذرع بعد الترقيع التوصيلي للشريان التاجي جراحيا .
5. Ankle Dorsiflexion Muscle Force Effect on Balance Performance in Elderly Subject. *Bulletin of Egyptian Society for Physiological Sciences*, vol. 1, 2000.
تأثير قوة عضلات شد الكاحل على الاتزان لدى المسنين .
6. Effect of Different Heel-Height Shoes on Ankle Joint Mobility and Strength Among Diabetic Middle-age Women. *Bulletin of Egyptian Society for Physiological Sciences*, vol. 21, 2001.

تأثير الأحذية ذات الارتفاع المختلف على حركة وقوة مفصل الكاحل لدى مرضى البول السكري من السيدات متوسطي العمر.

7. The Impact of Chronic Cervical Spondylosis on Vertebral Arteries Vasomotor Reactivity and Respiratory Function. *The Egyptian Journal of Neurology, Psychiatry & Neurosurgery*. 32, 2001.

تأثير صب الفقار العنقية المزمن على النشاط الحركي للشريان الفقاري والوظائف التنفسية .

8. Ventilatory Function and Hand Grip Strength to Aerobic Plus Inspiratory Muscle Training in Mild Chronic Right Sided Heart Failure. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol. 2, 20

استجابة الوظائف الرئوية وقوة قبضة اليد لكلا من التمرينات الهوائية والتنفسية في مرضى الهبوط المزمن للجانب الأيمن للقلب .

9. Oxidative Balance in Mild Hypertension by Exercise Versus Low Laser Level. *Bulletin of Egyptian Society for Physiological Sciences*, vol. 22, 2002.

دراسة تأثير التمرينات العلاجية والليزر منخفض الشدة على التوازن التأكسدي في مرضى الضغط العالي البسيط .

10. Impact of Walking Training on Bone Mineral Density and Bone Metabolism in Asthmatic Patients Treated with Corticosteroids. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol. 1, 2003.

تأثير رياضة المشي على كثافة العظام والتمثيل الغذائي للعظام في مرضى الربو الشعبي الذين يعالجون بالكورتيزون .

11. Biofeedback Breathing Retraining Combined with Aerobic Exercises in Management of Ventilatory Function of Asthmatic Obese Children. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol.11, no. (1), Jan. 2006.

التغذية العكسية لتدريبات التنفس بالإضافة إلى التمرينات الهوائية في علاج الوظائف التنفسية لدى الأطفال البدناء المصابين بالربو الشعبي.

12. Effect of Pulmonary Rehabilitation on Childhood Asthma. *The Egyptian Journal of CHEST diseases and tuberculosis January, April 2006*, vol. 55.

تأثير برنامج التأهيل الرئوي على الأطفال ذوي الحساسية الرئوية.

13. Ventilatory Functions in Response to Spasticity Control after Treadmill Training in Hemiplegic Children. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol.11, no. (1) Jan. 2006.

استجابة وظائف التهوية للتحكم في التشنجات بعد تدريب على السير الكهربائي للأطفال المصابين بالفالج النصفي.

14. Effect of Aerobic Training on Physical Fitness in Ischemic Heart Diseased Patients. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol.12, no. (2), Jul. 2007.

تأثير التمرينات الهوائية على اللياقة البدنية في مرضى قصور الشريان التاجي.

15. Infrared Low-Level Laser Therapy Control Oxidative Stress in Mild Hypertension. *Bulletin of Faculty of Physical Therapy, Cairo University*, vol. (2), Jul. 2008.

تحكم الأشعة تحت الحمراء لليزر العلاجي المنخفض الشدة للتوازن التأكسدي في الضغط العالي البسيط.



16. Risk Factors for Hand Edema after Stroke in Diabetic Patients and Comparison Between Intermittent Compression Therapy and High Voltage Galvanic Current on Reduction of Hand Edema. *Kasr El Aini Medical Journal Vol.14, No 6, 2008.*
17. Effectiveness of Laser Acupoint Therapy and Exercise Program on Oxidative Stress and Antioxidant Response in Mild Essential Hypertensive Patients. *Bulletin of Egyptian Society for Physiological Sciences, 30 (2), Jul. 2010.*
فعالية استخدام الليزر العلاجي وبرنامج تمارين على استجابة الضغط التأكسدي ومضادات التأكسد لدي مرضي ضغط الدم المرتفع البسيط.
18. Neuromuscular Electrical Stimulation Versus Intermittent Pneumatic Compression on Hand Edema in Stroke Patients. *Indian International Medical Journal vol. (2), 2012.*
19. Lung Compliance and Arterial Blood Gasses Response to Diaphragm Stretch in Intubated Patients. *World Journal of Medical Sciences (WJMS), 2016.*