

Prof. Awny Fouad Rahmy

Prof of Physical Therapy

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Personal Details

Date of Birth: 29/5/1952. Nationality: Egyptian. Sex: Male. Marital Status: Married.

Education and Qualification

PhD in Physiotherapy 1994

- Awarded by Cairo University, Faculty of Physical Therapy.
- Thesis in Cairo University. under the title of: Echocardiography and Oxygen Consumption in Relation to Physical Rehabilitation Program for Coronary Diseased Patients"

M.Sc. in Physiotherapy 1979

- Awarded by Cairo University, Faculty of Physical Therapy.
- Thesis: "Post-Operative Physiotherapeutic Management after Thoractomy".

Bachelor Degree of Physical Therapy 1975

- Awarded by Cairo University, Faculty of Physical Therapy

Academic Positions

Emeritus Professor in Cardiopulmonary Disorders and Geriatrics Working at Faculty of Physical Therapy, Cairo University.	May 2007	Current
Professor in Cardiopulmonary Disorders and Geriatrics Working at Faculty of Physical Therapy, Cairo University.	May 2005	May 2007
Assistant professor Working at Internal Medicine and Geriatrics Department, Faculty of Physical Therapy, Cairo University.	Feb., 2000	May, 2005
Lecturer Working at Internal Medicine and Geriatrics Department, High Institute of Physical Therapy, Faculty of Medicine, Cairo University.	Jun., 1994	Feb., 2000
Assistant lecturer Working at Internal Medicine and Geriatrics Department, High Institute of Physical Therapy, Faculty of Medicine, Cairo University.	Sep., 1990	Jun., 1994
Assistant lecturer Working at Internal Medicine and Geriatrics Department, High Institute of Physical Therapy, Faculty of Medicine, Cairo University.	Aug., 1979	Sep., 1979
Demonstrator Working at Internal Medicine and Geriatrics Department, High Institute of Physical Therapy, Faculty of Medicine, Cairo University.	Sep., 1975	Aug., 1979

Administrative Positions

Dean Faculty of Physical Therapy, Pharos University, Alexandria	Sept., 2017	Oct., 2018
Chairman Working at Cardiopulmonary Disorders and Geriatrics Department Faculty of Physical Therapy, Cairo University.	Oct., 2010	May. 2012
Vice dean for graduate studies and research Working at Faculty of Physical Therapy, Cairo University.	Jun., 2007	Sept 2010
Vice dean Working at Faculty of Physical Therapy, 6 October University, Cairo.	Sep., 2005	Jun. 2007
Chairman Working at Cardiopulmonary Disorders and Geriatrics Department Faculty of Physical Therapy, Cairo University.	May, 2005 to Sep. 2005.	
Acting chairman	Oct., 2003	May, 2005.

Associations Membership

- The General Physical Therapy Syndicate.
- The Cardiopulmonary Association.
- The Geriatric Association.
- The Scientific Society of Physical Therapy for Heart Disease and Diabetes.
- The Egyptian Association for Aging and its Sciences.
- The Egyptian Medical Association for Obesity Studies.
- The Egyptian Association for Fitness and Disability.
- The Middle East Association of Alternative Treatment.
- The Egyptian Union of Diabetics (EUDA)
- The Physical Therapy Patients' Friends

Councils & committees Membership

From Oct., 2003 till Sep., 2005

- Board member in the Faculty of Physical Therapy Council.
- Board member in the Faculty of Physical Therapy Under Graduate Student Committee.
- Board member in the Faculty of Physical Therapy graduate studies and research committee.
- Board member in the Faculty of Physical Therapy Community Services Committee.

From Jun., 2007 till now

- Chairman of the Faculty of Physical Therapy Graduate Studies and Research Committee.
- Chairman of the Faculty of Physical Therapy Culture Relationship Committee.
- Chairman of the Faculty of Physical Therapy Tests, Measurements and Equipment Committee.
- Chairman of the Faculty of Physical Therapy Library Committee.

Courses

- Quality assurance and accreditation in higher education, 30 Credit hours-training program on March, 2007, October 6 University, Giza, Egypt.
- Decision Making and Solving Problems program, Faculty and Leadership Development Project (FLDP), July 30th to Aug. 2nd, 2005, Cairo University, Giza, Egypt.
- Time Management and Work pressures, Faculty and Leadership Development Project (FLDP), Nov., 27th to 29th, 2004.
- Efficient Communication Skills Program, Faculty and Leadership Development Project (FLDP), Nov., 20th to 22nd, 2004.

Conferences, Workshop, and Seminars Participation

- Chairman in the 14th National Conference of Human Performance in Health and Disability, 5th – 6th May, 2018, Giza, Cairo.
- Quality Assurance and Accreditation Project (QAAP) workshop "Curriculum Planning and Methods of Evaluation (1)", Jun. 13th, 2005, Faculty of Physical Therapy, Cairo University, Giza, Egypt.
- Quality Assurance and Accreditation Project (QAAP) workshop "Faculty Performance Appraisal for Enhancement of Internal Quality System (2)", April 27th, 2005, Faculty of Physical Therapy, Cairo University, Giza, Egypt.
- Quality Assurance and Accreditation Project (QAAP) workshop Faculty Performance Appraisal for Enhancement of Internal Quality System (1), April 20th, 2005, Faculty of Physical Therapy, Cairo University, Giza, Egypt.
- The Fifth Annual International Congress of Egyptian Society of Back Pain in collaboration with Pan Arab Congress of Back Pain, April 27th – 29th, 2005, Giza, Egypt.
- The First Workshop of Multispeciality Obesity Scientific Team (MOST)m The Egyptian Medical Association for the Study of Obesity, April 1-3, 2004, New Kasr El Aini Teaching Hospital, Cairo, Egypt.

- The First Pan Arab African Conference for Care & Rehabilitation of Handicapped under the Title of: "Rehabilitation and Era Challenges , Future View", Oct 1-3, 2003. Egypt.
- Electrodiagnosis Workshop, March 16th, 2003, Physical Therapy Services and Continuing Education, Faculty of Physical Therapy, Cairo University, Giza, Egypt.

List of Doctrate Theses Supervised / Examined

- Effect of pulsed electromagnetic field versus treadmill training on walking and hemodynamic parameters in peripheral arterial disease, 2021.
- Effect of low frequency neuromuscular stimulation on sympathetic (ergoreflex) Activity in advanced heart failure, 2020.
- Effect of cryolipolysis on subcutaneous abdominal fat in women with central obesity, 2019.
- Influence of Different Therapeutic Modalities on Dynamic Balance in Elderly, 2006.
- Changes in Gait Characteristics during Normal Cadence in Elderly, 2005.
- Left Ventricular Parameters Changes in Obese Hypertensive after Body Weight Reduction, 2005.
- Effect of External High Frequency Oscillation on Some Cardiopulmonary Parameters after Mayor Upper Abdominal Surgeries, 2004.
- Correlation Between Brachial Blood Flow and Electrocardiogram Measures after Body Weight Control in Males with High Coronary Artery Risks, 2004.
- Myocardial Perfusion Imaging and Functional Assessment for the efficacy of Rehabilitation Program Post Myocardial Infarction, 2000.
- Effect of Exercise on Macro and Micro Circulatinmg Blood Flow in Diabetic Patients, 1997.
- Response of Procollagen Peptide III to Aerobic Training Program in Rehabilitated Elders, 1994.

List of Master Theses Supervised / Examined:

- Effect of manual expiratory rib cage compression on blood gases in mechanically ventilated patients, 2021.
- Effect of Interferential therapy versus aerobic exercise on chronic constipation, 2021.
- Efficacy of inspiratory muscle training on ventilator function in haemophilic patients, 2019.
- Efficacy of inspiratory muscle training on ventilatory function in haemophilic patients, 2018.
- Efficacy of inspiratory muscle training on ventilator function in haemophilic patients, 2014.
- Effect of Different Aerobic Exercise Intensities on Nitric Oxide in males with Mild Hypertension, 2007.
- Blood Gases Response to Different Body Positions in Patients with Chronic Obstructive Pulmonary Disease in Intensive Care Unit, 2006.
- Immediate Arterial Blood Gases Response after Diaphragmatic Exercise Incentive Pyrometer in Smoker and non Smoker Postcrony Artery Bypass Graft, 2006.
- Glycemic Control Response to a Combined Aerobic and Resistance Exercise versus Aerobic Exercise in Diabetic Patients, 2006.
- Response of Ventilatory Function to Breathing Exercises in Welders, 2005.
- Effect of Walking Training on the Quality of Life of the Sedentary Elderly Subjects, 2005.
- Cardiopulmonary Functions Response to Aerobic versus Anaerobic Exercise Program in Overweight Adult Subjects, 2005.
- Ventilatory Function Response to Supported versus Unsupported Arm Exercise among Elderly, 2005.
- Efficacy of Spirally Designed Biofeedback System for Breathing Exercises on Ventilatory Function in Children with Moderate Persistent Ashma, 2005.
- Blood Oxygenation Response to Treadmill Exercise in Elderly, 2005.
- Effect of Stepping Versus Walking Exercise in Management of Intermittent Claudication, 2004.
- Effect of Breathing Exercise Program on Walking Distance in Elderly, 2004.
- Treadmill Walking Exercise versus Burst-Mode Transcutaneous Electrical Nerve Stimulation in Patients with Peripheral Arterial Occlusive Disease, 2004.
- Treadmill Waking Exercise versus Burst-Mode Transcutaneous Electrical Nerve Stimulation in Patients with Peripheral Arterial Occlusive Disease, 2004.
- Cardiac Rehabilitation Program as a Secondary Prevention of Coronary Artery Insufficiency, 2003.
- Effect of Selected Balance Training Program on Balance in Elderly, 2003.
- Effects of Interval Training Exercise on the Performance of Subjects with Exercise Induced Bronchospasm, 2003.

- The Relation between Regular Exercise and Chronic Constipation in Elderly, 2003.
- Cardiovascular Response to Aerobic Exercise Training in Diabetic Autonomic Neuropathy, 2002.
- Study of Chest Diseases in Primary Schools in Cairo (Survey), 2002.
- Efficacy of Physical Training on Ventilatory Functions in Alzheimer's, 2002.
- An Ecological Study of Vital Capacities Changes among Individuals Subjected to Indoor Radon Decay Products, 2001.
- Efficacy of Walking Exercise on Thrombocytes in Healthy Subjects, 2001.
- Functional Limitations Impairment and Disability in Patients with Chronic Obstructive Pulmonary Disease, 2001.
- Efficacy of Selected Exercise Program for Intermittent Claudicates, 2001.
- Transcutaneous Electrical Nerve Stimulation on Diabetic Neuropathy, 2001.
- Haemodynamics Response to Monitored Exercise and Its Relationship to Lipoprotein Level in Obese, 2001.
- Forward versus Backward Walking Training Effect on Vital Signs in Healthy Subjects. (under Supervision).
- Effect of Exercises on Cardiac Contractility in Hypertensive Patients Receiving Calcium Antagonists, 1996.
- Effect of Exercises on Cardiac Contractility in Hypertensive Patients Receiving Calcium Antagonists, 1996.
- Comparative Study between the Effect of Chest Physical Therapy Modalities on Partial Pressure of Arterial Oxygen after Open Heart Surgery, 1995.
- Comparative Study between the Effect of Chest Physical Therapy Modalities on Partial Pressure of Arterial Oxygen after Open Heart Surgery, 1995.

Publications; Journals

Effect of Interferential Therapy versus Aerobic Exercise on Chronic Constipation.

Effect of Manual Expiratory Rib Cagecompression on Blood Gases Inmechanically Ventilated Patients. 2021.

Effect of Pulsed Electronagnetic Field on Walking Capacity in Patients with Peripheral Arterial Disease. Polish Journal of Physiotherapy, March, 2021.

Effect of Strengthening Exercise versus Intermittent Pneumatic Compression To Calf Muscle on Blood Flow In Patients With Varicose Veins.

The Effect of Lung Flute Training on Functional Capacity in Patients with Chronic Obstructive Pulmonary Disease. 2018. Bioscience Research, 15(4):3786-3793.

Efficacy of Respiratory Muscle Training on Arterial Blood Gases on Patients under Hemodialysis. 2018. 5(2), 3572-3576.

Correlation between hemophilic severity and ventilator function. 2018. 7(4), 2077-4435.

Effect of Transcutaneous Electrical Nerve Stimulation versus Transcranial Direct Current Stimulation on Diabetic Peripheral Neuropathy. Medical Journal of Cairo University.2018.

The impact of myofascial Release on Vital Capacity and Diaphragmatic Excursion in Postsurgical Pleural Effusion. Medical Journal of Cairo University.2018.

Effect of cryolipolysis on lipid profile in central obese women Medical Journal of Cairo University.2018.

Inspiratory Muscle Training versus Diaphragmatic Breathing Exercise on Maximal Inspiratory Pressure and Blood Gases on Interstitial Pulmonary fibrosis. Medical Journal of Cairo University.2018.

Effect of Treadmill Exercise on the Performance of Subjects with Exercise Induced Bronchospasm, March, 2004.

Balance Performance and Ankle Dorsiflexors Muscles Force in Elderly: A Correlation Study, the First Scientific Conference of Curriculum Promotion, Faculty of Physical Therapy, Cairo University, Jan. 2004.

Efficacy of Balance Training Program Using Piodex Stability System on Measurements of Balance in Elderly Subjects, July, 2003.

Response of Small Airway Ventilation to Positive Expiratory Pressure Breathing Exercise and Low Intensity Laser Therapy in Asthmatic Children, Faculty of Physical Therapy Bulletin, Cairo University.

Effect of Different Exercise Training Programs on Patients with Peripheral Vascular Intermittent Claudication. Faculty of Physical Therapy Bulletin, Cairo University, (3) 2002.

The Effect of Transcutaneous Electrical Nerve Stimulation on Patients with Diabetic Peripheral Neuropathy, The Egyptian Journal of Biophysics, 2001.

Role of Some Specific Training Program on Elderly Subjects. Scientific Journal of Al-Azhar Medical Faculty (Girls), (9) 2001.

Thrombocytes Response to Exercise in Normal Subjects, Faculty of Physical Therapy Bulletin, (7) 2000.

Effect of Laser Therapy on Tendonitis in Diabetic Hand, Faculty of Physical Therapy Bulletin, Cairo University, (7) 2000.

The Effect of Strengthening Exercises and Ultrasonic Trigger Fingers", Jan. 1996.

Therapeutic Exercise: an Analytic Survey, July, 1997.

Exercises and Ultrasonic Therapy for Diabetic Hand in Relation Motor Conduction Velocity, Faculty of Physical Therapy Bulletin, Cairo University, vol. 2 No. (2) July, 1997.

Effect of Proprioceptive Neuromuscular Facilitation Versus Incentive Spirometer on Arterial Oxygen Pressure after Open Heart Surgery, Faculty of Physical Therapy Bulletin, Cairo University vol. 2 No. (2) July, 1997.

Effect of Exercises on Left Ventricular Ejection Fraction in Hypertensive Patients, Faculty of Physical Therapy Bulletin, Cairo University vol.3.No.(1) Jan., 1997.

Pre and Post Operative Physiotherapeutic Management in Heart Surgery, Faculty of Physical Therapy Bulletin, Cairo University vol.3.No.(1) July, 1996.

Publications; Books

- An Introduction to Chest Physical Therapy, first edition 2003.
- Practice of Chest Physical Therapy, first edition 2003.
- An Introduction for P.T. in Intenceve Cair Units, first edition 1998.

Publications; Honoring

- Letter of appreciation from the president of Cairo University for the efforts in leading Cardiopulmonary Disorders and Geriatrics Department, Faculty of Physical Therapy, Cairo University, Feb., 2007.
- Certificate of appreciation from Cairo University for active participation in the comprehensive development convoys project in Giza Governorate and Cairo University, from July 8th to 31st, 2005.
- Certificate of appreciation from Faculty of Physical Therapy for active participation in the first annual festival of handicapped challengers under the motto: "Smile and will", May 30th, 2005.