



Raafat Mohammed Ahmed

Assistant Professor

Personal Data

Nationality | Egypt

Date of Birth | August 7th, 1971

Department | physiotherapy

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Office Phone No. | 31276

Language Proficiency

Language	Read	Write	Speak
Arabic	Very good	Very good	Very good
English	Very good	Very good	Very good
Others (French)	good	good	beginner

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
June 2016	PhD	Cairo university	Cairo University, Giza, Egypt
May 2000	MSc	Cairo university	Cairo University, Giza, Egypt
May 1993	BSc	Cairo university	Cairo University, Giza, Egypt

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Relationship between Multiple Predictive Variables and Isokinetic Strength of Knee Flexors and Extensors in Young Athletes
Master	Muscular Function in Patients with Mechanical Low Back Dysfunction
Fellowship	

Professional Record: (Beginning with the most recent)

Place and Address of Work			Date
Assistant professor	Imam Abdulrahman Bin Faisal University	Dammam, KSA	June 2016
professor	Physiologic Academy	Toronto, Canada	May 2013
Lecture	Cairo university	Cairo University, Giza, Egypt	May 1994



Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
	Ahmed R., Mahmoud H. and Abdulaal S.	Correlation between lumbar bone mineral density and diabetic polyneuropathy,	Medical Journal of Cairo University, Vol 82, September 2014.
	Ahmed R., Al-Hafez G. and Fayaz N.	Relationship between Some Predictor Variables and Isokinetic Knee Flexors and Extensors Torque in Young Athletes	Bull. Fac. Ph. Cairo University Vol 8. No (2) Jul. 2003

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Raafat Ahmed	Postural evaluation of elementary school students in KSA	2017/ 2018

Current Researches



#	Research Title	Name of Investigator(s)
	Raafat Ahmed and Qassim Moudi	Pelvic Rotation as a Predictor variable for ACL Recurrent injury

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Virtual Reality Training course (GRAIL)	Amsterdam, the Netherland 2017	Trainee
2	K- Taping	IAU, Dammam, KSA, 2017	Trainee
3	The 16th international conference for physiotherapy	Cairo, Egypt, 2016	attendance
4	Business administration workshop	Peterborough, Canada, 2016	Trainee
5	Garston Technique workshop	Bowmanville, Canada, 2015	Trainee
6	Osteopathy	Toronto, Canada, 2015	Trainee
7	Management of Rheumatoid Arthritis workshop	Ottawa, Canada 2012	Trainee
8	Gait analysis	BAU, Lebanon, 2010	Trainer and developer
9	Use of Electronic Assistive Aids in Rehabilitation	Ottawa, Canada, 2009	Trainee
10	Contributor, Developing University Strategic Planning workshop	BAU, Lebanon, 2009	Speaker
11	2nd international conference for Physical therapy	Beirut, Lebanon, 2009	Speaker
12	Management of Low Back Pain workshop	Kuwait, 2009	Trainer
13	Sports injury course	Kuwait, 2008-2009	instructor
14	Isokinetic Testing workshop, Ministry of Health, Kuwait	Kuwait, 2008	Trainer
15	Yearly Physical Therapy Symposium, Kuwait (three times)	Kuwait, 2006-2008	Speaker and trainer
16	Professional Development training <ul style="list-style-type: none"> • Self-management, time management, Leadership • Communication Skills, continuous learning • Mind mapping, problem solving and decision making 	Cairo University, Egypt	trainee
17	Motion, Isokinetic and EMG Analysis workshop,	Cairo University, Egypt, 2005	trainee
18	Quality Assurance in the Planning of Institutional Academic Programs	Cairo University, Egypt, 2004	trainee

Membership of Scientific and Professional Societies and Organizations

- Canadian Osteopathy Association
- Canadian Board of Physiotherapy
- Kuwait association of Physical Therapy
- Egyptian syndicate of Physical therapy

Teaching Activities



Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Biomechanics (male)	PT 313	Main instructor
2	Biomechanics (female)	PT 313	Co instructor
3	Kinesiology (male)	PT 325	Main instructor
4	Kinesiology (male TCL)	PT 325	Main instructor
5	Kinesiology (female)	PT 325	Co instructor
6	Clinical Practice I	PT 317	Co instructor
7	Clinical Practice II	PT 328	Co instructor
	Clinical Practice III	PT 418	Co instructor
8	Clinical Practice IV	PT 427	Co instructor
9	Research Methodology	PT 410	Co instructor
10	Introduction to PT	PT 215	Co instructor

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Biomechanics PT 313 This course concerned with the study and application of biomechanical principles of motion to human movement, Basic biomechanics of musculoskeletal and nervous systems in addition to fluid mechanics. The clinical application of such mechanical principles will be also addressed in that course.
2	Kinesiology PT 325 This course is designed to provide the students with the basic concepts of functional anatomy, kinematics and kinetics of different body regions including Hip. Knee, Ankle, Spine, shoulder, Elbow and wrist. In addition to the kyriological concepts and analysis of normal gait and posture. Moreover, some selected clinical cases of abnormal presentation will be addressed to allow students to apply their basic knowledge on those selected abnormal presentations.
3	Research methodology HIMT410 This course provides the principles of scientific methods of research and its application to physical therapy to enable students to develop their skills in selecting and defining research problems for developing criteria for scientific research. Students will critically evaluate selected articles and they will be divided into groups for supervised and directed research project.
4	Clinical Practice I, II, and III; 317, 328 and 418 These courses provide students with the needed skills for patient assessment and treatment for a wide variety of musculoskeletal and neurological disorders.
5	Introduction to PT 215 This course introduces the field of physical therapy to the students. Main topics include history, definitions, scopes, components and principles of physical therapy profession, professional behavior, and legal and ethical concepts affecting physical therapy practice. Emphasis will be placed on the role of physical therapists as members of health care team in curative and rehabilitative care.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Objective measurement in Physical Therapy	PT 519	One module (course coordinator)



2	Sports Biomechanics	One module
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Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	<p>Objective measurement in Physical Therapy PT 519</p> <p>This course is one of the five Master of Science courses in Musculoskeletal Physical. This course runs for 10 weeks (3 hours of theory per week for a total of 30 theoretical hours and 3 hours practical for a total of 30 practical hours). The overall expected outcome of the course is to provide the students with advanced laboratory measuring knowledge and skills used musculoskeletal management and research. A major focus of the course is to introduce evidence-based application of objective measures in musculoskeletal management and research. The course is also geared toward building a strong knowledge of the theoretical and practical measurements of the instruments for clinical evaluation. For every session, students are expected to complete specific readings (and may be other tasks as well). The readings and tasks for every session are provided in this manual. The students will also be provided with other materials in the classroom. Students are expected to read the manual carefully to understand what is required from them. All tasks and activities should be done within the time frame indicated. The course is divided into 4 modules as follows: Motion Analysis (4 weeks), Proprioception and Neuromuscular Control (2 weeks), Measurement of joint's movement (1 week), Isokinetic Testing (2 weeks) and Ultrasound of Musculoskeletal System (1 week)</p>
2	<p>Sports Biomechanics</p> <p>This module covers the study and application of biomechanical principles of motion to human movement, Basic biomechanics of musculoskeletal, and nervous system in addition to fluid mechanics. The clinical application of such mechanical principles on various sports injuries will be also addressed in that course. In addition to biomechanical analysis of different sports field and equipment.</p>

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Biomechanics PT 313	✓		✓		2016	2018
2	Kinesiology PT 325	✓		✓		2016	2018
3	Objective measurement in Physical Therapy	✓			✓	2017	2018

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	RA weariness day	Joints safety in subjects with RA	Ottawa university, ottawa canada	2015
2	Pt symposium	Kinematics of lumbar region in disk worker	Applied health sciences, Biuret Arb University, Lebanon	2010

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	2 nd year level	34	2018	2019



Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	MSc.	Effect of aging on gait characteristics during normal cadence in elderly. Hekal M., Ahmed R., Caserotti P. and Darwesh F.	Collaborated with The Room University of Movement Sciences, The German Sport University, The University of Southern Denmark, The Norwegian university of sports Sciences, the University of Venna and Helwan University. Hikal	2014

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	MSc.	Hip, knee and ankle kinematics and kinetics post ACLR with and without virtual reality Environment	Imam Abdulrahman Bin Faisal University	2017
3	MSc.	Incidence and risk factors associated with knee injuries among active –duty Saudi Arabia military services members	Imam Abdulrahman Bin Faisal University	2017
4	MSc	Effect of Minimalist Footwear Compared to Gait Retraining on Recreational Runners Biomechanics	Imam Abdulrahman Bin Faisal University	2018

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

Administrative Position	Office	Date
Head of the Examination Quality committee	3045	2017
Head of the community committee	3045	2018
Head of the alumni committee	3045	2018

Committee Membership

#	From	To	Position	Organization
	2016	Till now	Examination Quality committee	PT department, College of Applied Medical Sciences, at Imam Abdulrahman bin Faisal University
	2016	Till now	Community services and community engagement committee	PT department, College of Applied Medical Sciences, at Imam Abdulrahman bin Faisal University



Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	E-design	
2	E- learning	
3	Spss and Metalab	
4	Motion analysis	

Last Update

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