

CURRICULUM VITAE

Personal information:

Name : Heba Ahmed Metwally Khalifa
Date of Birth : 25/3/1984
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Summary of Qualifications:

Degree	Specialty	University	Date	Grade
Doctoral	Physical therapy for Neuromuscular disorder and its surgery (Doctoral thesis title: Influence of repetitive transcranial magnetic stimulation with treadmill training on cognitive and motor performance in Parkinson's disease patients.)	Cairo	2017	Very good
Master	Physical therapy for Neuromuscular disorder and its surgery (Master thesis title: Influence of aerobic exercise on cognitive function in patients with stroke)	Cairo	2012	Very good
Bachelor	Physical therapy	Cairo	2004	Excellent With honor

Professional Experience

- Assistant professor in department of physical therapy for Neurology, Faculty of Physical Therapy, Cairo University from 31 May 2023 till now.
- Lecturer in department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical Therapy, Cairo University from March 2017 to May 2023.
- Assistant lecturer in department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical Therapy, Cairo University from July 2012 to March 2017.

- Demonstrator in department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical Therapy, Cairo University from October 2006 to July 2012.

Educational and Clinical Experience:

University education development work in the field of specialization:

a) University teaching:

From	To	Job	Site
2021	Till now	Teaching Neuroscience course for undergraduate students (third level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2021	Till now	Teaching of Electrodiagnosis course for undergraduate students (Fifth level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Teaching of P.T. for Neurology, Neurosurgery and Psychiatry course for undergraduate students (fourth level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Teaching of Clinical P.T. training for neurology, neurosurgery and psychiatry course for undergraduate students (Fifth level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Teaching of Rehabilitation and occupational therapy for adults course for undergraduate students (Fifth level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Teaching of Spinal cord injuries course for undergraduate students (Fifth level)	Faculty of physical therapy, Badr university in Cairo (BUC)
2017	2020	Participation in teaching of P.T. for neurological and neurosurgical conditions course for the undergraduate students	Faculty of physical therapy, Cairo university
2017	2020	Supervision on applied and practical training sections of P.T. for neurological and neurosurgical conditions course for the undergraduate students	Faculty of physical therapy, Cairo university
2014	2015	Teaching of applied training sections of Neuroscience course for the undergraduate students (2nd year)	Faculty of physical therapy, Cairo university
2011	2012	Participation in teaching of practical and clinical sections (P.T. for neurology and neurosurgery) for undergraduate Sudanese students (fourth grade)	Al Neelain University , Sudan
2006	2017	Teaching of applied and practical training sections (P.T. for neurological and neurosurgical conditions) for the undergraduate students (4th year)	Faculty of physical therapy, Cairo university
2006	2016	Teaching of applied and practical training sections (P.T. for psychiatry) for the undergraduate students (4th year)	Faculty of physical therapy, Cairo university

b) Exams and control work:

2020	Till now	Member of oral and practical exam	Faculty of physical therapy,
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From	To	Job	Site
		committees of clinical training of P.T. for neurology and neurosurgery course	Badr university in Cairo (BUC)
2020	Till now	Member of oral and practical exam committees of P.T. for neurology and neurosurgery course	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Member of oral and practical exam committees of rehabilitation and occupational therapy for adults course	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Member of oral and practical exam committees of spinal cord injuries course	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Designing written exams for (Neuroscience, electrodiagnosis, P.T. for neurology and neurosurgery, rehabilitation and occupational therapy for adults, spinal cord injuries) courses	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Monitoring and supervising bachelor's exams at different academic levels	Faculty of physical therapy, Badr university in Cairo (BUC)
2019	2020	Vice President of Control for the 3rd year students (old Bylaw), first semester	Faculty of Physical therapy - Cairo University
2019	2020	Member of the Emergency Committee for bachelor's Exams	Faculty of Physical therapy - Cairo University
2019	2020	External Examiner for final practical and oral exam of P.T. for neurosurgery course (fall semester)	Faculty of Physical therapy, Delta University for Science and Technology
2019	2020	External Examiner for final practical and oral exam of spinal cord injuries course (first semester).	Faculty of physical therapy, Badr university in Cairo (BUC)
2018	2020	External Examiner for final practical and oral exams (fall semester).	Faculty of Physical therapy, Modern University for Technology and Information,
2017	2020	Member of oral and practical exam committees of P.T. for neurology and neurosurgery course	Faculty of Physical therapy - Cairo University
2017	2020	Participation in designing written exams of PT for neurological conditions course	Faculty of Physical therapy - Cairo University
2017	2019	Member of the Control of the fifth-year students (Pediatrics)	Faculty of Physical therapy - Cairo University
2017	2018	External Examiner for final practical and oral exams of clinical training of P.T. of neurology and neurosurgery course (first semester)	Faculty of Physical therapy, Misr University for Science and Technology (MUST)
2017	2018	External Examiner for final practical and oral exams of clinical training of P.T. of neurology and neurosurgery course (first semester)	Faculty of Physical therapy, October 6 University
2016	2017	Member of Control of the fourth-year students (Gynecology and surgery)	Faculty of Physical therapy - Cairo University
2006	2016	Preparing written exam papers for 1 st & 2 nd semesters for fourth year students (pediatrics)	faculty of physical therapy, Cairo university

From	To	Job	Site
c) Quality assurance unit:			
2022	Till now	Coordinator of the teaching and learning standard in the Quality Unit	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021	Till now	Coordinator of Electrodiagnosis, course for fifth year students	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021	Till now	Coordinator of Neuroscience course for third year students	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021	Till now	Participation in academic advising work	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021 (March)	-	Giving workshop on how to make course file for staff members	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021 (March)	-	Giving workshop on the international publication of scientific research for staff members	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Coordinator of P.T. for Neurology, Neurosurgery and Psychiatry course for undergraduate students (fourth level)	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Coordinator of Clinical P.T. training for neurology, neurosurgery and psychiatry course for undergraduate students (Fifth level)	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Coordinator of spinal cord injuries course for undergraduate students (Fifth level)	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Coordinator of Rehabilitation and occupational therapy for adults course for undergraduate students (Fifth level)	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Preparing course files of (Neuroscience, electrodiagnosis, P.T. for neurology and neurosurgery, rehabilitation and occupational therapy for adults, spinal cord injuries, biochemistry 1, biochemistry 2) courses for undergraduate students (Fifth level)	Faculty of Physical therapy - Badr University in Cairo (BUC)
2019 (April)	-	Participation in preparing the faculty nomination file for the Egyptian government excellence award	Faculty of physical therapy, Cairo university
2018	2020	Coordinator of the teaching and learning standard in the quality unit	Department of neuromuscular disorders and it's surgery , Faculty of physical therapy, Cairo university
2018	2020	Coordinator of physical therapy for neurology course for the fifth-year students	Faculty of physical therapy, Cairo university
2018	2020	Participation in preparing course files for Professional DPT degree	Faculty of physical therapy, Cairo university
2018	2020	Preparing course files of P.T. for neurology	Faculty of physical therapy,

From	To	Job	Site
		course for bachelor's degree	Cairo university
2017	2020	Coordinator of undergraduate teaching and learning standard in P.T department for neuromuscular disorders and its surgery	Faculty of physical therapy, Cairo university
2016	2018	Coordinator of Neuroscience for second year students	Faculty of physical therapy, Cairo university
2013	2015	Preparing course files of Advanced evaluation and clinical management (I) course for master's degree	Faculty of physical therapy, Cairo university
2013	2015	Preparing course file of research seminar (II) course for doctoral degree	Faculty of physical therapy, Cairo university

d) Membership of councils and committees:

2021	Till now	Member of internal review committee for academic program and courses	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021	Till now	Member of the assessment and examination committee	Faculty of Physical therapy - Badr University in Cairo (BUC)
2021	Till now	Member of the committees to welcome new students	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Member in quality assurance unite	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Member of faculty council	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	Till now	Acting as a head of department of Neurology	Faculty of Physical therapy - Badr University in Cairo (BUC)
2020	-	External discussion of protocols submitted by master's students in the Department of Basic Sciences	Faculty of Physical therapy - Cairo University
2018	2020	Member of the Education and Student Affairs Committee	Faculty of Physical therapy - Cairo University
2018	2020	Year coordinator for the fifth-year students	Faculty of Physical therapy - Cairo University
2018	2019	Member of department council of the Department of Physical therapy for Neuromuscular Disorders and its Surgery	Faculty of Physical therapy - Cairo University
2017	2020	Attending and effective discussion of protocols submitted by graduate students at department of P.T. for neuromuscular disorders and its surgery	Faculty of Physical therapy - Cairo University
2017	2018	Member of the personal interview committees for new students	Faculty of Physical therapy - Cairo University

e) Out-patient clinic:

2020	Till now	Assessing and treating patients with neurological disorders	Faculty of physical therapy, Badr university in Cairo (BUC)
2020	Till now	Giving training workshops on new modalities for P.T. management of different neurological disorders for internship students	Faculty of physical therapy, Badr university in Cairo (BUC)

From	To	Job	Site
2020	-	Conducting clinical training workshops for internship students, Department of physical therapy for neuromuscular disorders and its surgery	Faculty of Physical therapy - Cairo University
2018	2020	Participation with other staff members in assessing new cases and putting suitable P.T. program for patients in outpatient clinic	Faculty of Physical therapy - Cairo University
2005	2010	Assessing and treating patients with musculoskeletal, pediatric and neurological disorders	Al-Amal private hospital
2004	2005	Assessing and treating patients with musculoskeletal and neurological disorders	General Suez hospital

Research published in international journals/conferences: (19)

No	Manuscript title	Journal / conference name	Year
1	Influence of Radial Extracorporeal Shock Wave Therapy on Shoulder Pain and Structural Abnormalities in Stroke Patients	Archives of Medical Science (AMS)	2023
2	Correlation between leg muscle activity and balance in stroke patients	European Chemical Bulletin	2023
3	Efficacy of high intensity laser therapy on pain and quality of life in patients with migraine: a randomized controlled trial.	Neuroquantology	2022
4	Effect of aquatic therapy on ventilatory functions in patients with duchenne muscular dystrophy: a randomized controlled trial	Fizjoterapia Polska	2021
5	Effect of cycling exercise on motor excitability and gait abnormalities in patients with stroke	Egyptian Journal of Neurology, Psychiatry & Neurosurgery	2021
6	Influence Of Visuo-Motor Integration On Cortisol Levels And Gait Performance In Diabetic Polyneuropathy Patients: A Randomized Controlled Trial	Fizjoterapia Polska	2020
7	Effect of Transcranial direct current stimulation on sensory integration and risk of falling in diabetic polyneuropathy	International journal of psychosocial rehabilitation	2020
8	Impact of diabetic polyneuropathy on ventilatory function and respiratory muscle endurance.	International journal of psychosocial rehabilitation	2020
9	Efficacy of lower extremity mirror therapy on balance in children with hemiplegic cerebral palsy: a randomized controlled trail	International journal of psychosocial rehabilitation	2020
10	Low frequency transcranial magnetic stimulation in subacute ischemic stroke, Number of sessions that altered cortical excitability	NeuroRehabilitation	2020

No	Manuscript title	Journal / conference name	Year
11	Relationship between pelvic alignment and motor recovery of the affected upper extremity in stroke patients.	2 nd international conference for scientific research and its practical applications in physical therapy	2019
12	Prevalence of mechanical low back pain and risk factors among healthcare providers in Cairo	2 nd international conference for scientific research and its practical applications in physical therapy	2019
13	Effect of life kinetik training on lower limb coordination in ataxic patients	2 nd international conference for scientific research and its practical applications in physical therapy	2019
14	Effect of repetitive transcranial magnetic stimulation on motor functions in multiple sclerosis patients: a randomized controlled trail	Indian journal of public health research and development	2019
15	Influence of pelvic inclination on sit to stand task in stroke patients	Egyptian Journal of Neurology, Psychiatry & Neurosurgery.	2019
16	Influence of repetitive transcranial magnetic stimulation on cognitive and motor performance in Parkinson's disease patients	European Congress on Clinical Neurophysiology	2017
17	Aerobic exercises enhance cognitive functions and brain derived neurotrophic factor in ischemic stroke patients	Neuro Rehabilitation	2014
18	Influence of aerobic exercise on cognitive function in patients with stroke	13 th congress of the Pan Arab Union of Neurological Societies	2013
19	Aerobic exercises improve blood flow and cognitive functions in anterior circulation ischemic strokes	Egyptian Journal of Neurology, Psychiatry & Neurosurgery.	2012

Research published in local journals/conferences: (6)

No	Manuscript title	Journal / conference name	Year
1	Correlation between forward head posture and proprioception function in patients with cervical spondylosis	Delta university scientific journal	2022
2	Effect of L4 mobilization and posterior pelvic tilting on sciatica in spondylolisthesis	Medical journal of Cairo university	2020
3	Effect of High-Power Laser Therapy on Modified Total Neuropathy Score in Patients with Chemotherapy Induced Peripheral Neuropathy	Medical journal of Cairo university	2020
4	Correlation between lumbar curvature and functional status in patients with mechanical low back pain	International journal of recent advances in multidisciplinary research	2020
5	Effect of pelvic control exercises on pelvic asymmetry and gait in stroke patients	Medical journal of Cairo university	2019
6	Proprioception errors in patients with cervical spondylosis at sagittal plane	Medical journal of Cairo university	2018

Symposia & Conferences:

No	Conference	Location/ Date
1	The 25 th CNC Cairo international neurology conference	Cairo/ from 31 st Jan. to 2 nd Feb. 2024
2	The 24 th CNC Cairo international neurology conference	Cairo/ from 1 st to 3 rd Feb. 2023
3	The 23 th CNC Cairo international neurology conference	Cairo/ from 10 th to 11 th Feb. 2022
4	The 1st International Conference for Interactive Physical Therapy	BUC/ on 4 th Sep. 2021
5	The 17 th Pan Arab Union of Neurological Societies and 21 st CNC Cairo international neurology conference	Cairo/ from 13 th to 15 th Feb. 2020
6	Organization of the 2nd International conference for scientific research and it's practical applications in physical therapy, Cairo university	Cairo/ on 28 th Nov. 2019
7	The 20 th CNC Cairo international neurology conference	Cairo/ from 13 th to 15 th Feb. 2019
8	The 18 th CNC Cairo international neurology conference	Cairo/ from 8 th to 10 th Feb. 2017
9	The 8 th annual meeting of the department of neurology, kasr al ainy, Cairo university in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery	Cairo/ from 7 th to 9 th Dec. 2016
10	The 17 th Cairo international neurology conference	Cairo/ from 3 rd to 4 th Feb. 2016
11	The 7 th annual meeting of the department of neurology, Cairo university in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery and pan arab union of neurological meeting	Cairo / from 22 nd to 24 th Dec. 2015
12	Annual summer meeting of the Egyptian society of neurology, psychiatry and neurosurgery in collaboration with neuropsychiatry department , faculty of medicine, Alexandria university	Alexandria / from 11 th to 13 th Jun. 2015
13	Annual summer meeting of the Egyptian society of neurology, psychiatry and neurosurgery	Alexandria/ from 5 th to 7 th Jun. 2014
14	The 15 th Cairo international neurology conference	Cairo/ from 19 th to 21 st Feb.2014
15	The 13 th Congress of the Pan Arab Union of Neurological Societies	Sharm El-sheikh/ from 14 th to 17 th Feb. 2013
16	The annual meeting of the department of neurology, Cairo university in collaboration with the Egyptian society of neurology, psychiatry and neurosurgery	Cairo/ from 19 th to 20 th Dec. 2012
17	The 13 th Cairo international neurology conference	Cairo/ from 2 nd to 4 th May 2012
18	The scientific conference of the department of neuromuscular disorder and its surgery, faculty of physical therapy Cairo university	Conference center Al-Kasr Aini, on 4 th Dec 2011
19	The 8 th international scientific conference of physical therapy " physical therapy and future technology"	Cairo/ from 3 rd to 4 th Mar.2005

Workshops and Training Courses:

No	Course Title	Location/ Date
1	Mobile applications	FLDC- Cairo University/ on 15 Sep. 2022

No	Course Title	Location/ Date
2	Basic electromyography course (nerve conduction study, needle EMG & late responses)	Teqnia for courses/ From 30 th Sep. to 8 th Oct. 2021
3	Egyptian knowledge bank (EKB) and searching for sources	FLDC- Cairo University / from 7 th to 8 th Oct. 2020
4	Critical thinking	FLDC- Cairo University/ from 27 th to 28 th Jun.2020
5	Evidence based strategy in medical practice	FLDC- Cairo University/ from 27 th to 28 th Jun.2018
6	Effective teaching	FLDC- Cairo University/ from 8 th to 29 th Apr. 2018
7	Arabic and English editing in scientific research	FLDC- Cairo University/ from 6 th to 7 th Dec. 2018
8	Establishing an electronic course	Cairo University center for quality assurance and education/ on 4 th Dec. 2017
9	Program and course reports	Cairo University center for quality assurance and education/ on 28 th Nov. 2017
10	Preparation of blue print specification and formulation of examination questions	Cairo University center for quality assurance and education/ on 22 nd Nov. 2017
11	Statistical analysis of bio-experiments	FLDC- Cairo University/ from 10 th to 11 th May 2017
12	Movement disorders and spasticity workshop	Kasr Al Ainy- Cairo university/ on 7 th Dec. 2016
13	Decision making and problem solving	FLDC- Cairo University/ from 14 th to 15 th May 2016
14	Managing research teams	FLDC- Cairo University/ from 11 th to 12 th Jan. 2016
15	Communication skills	FLDC- Cairo University/ from 16 th to 17 th Sep. 2015
16	E- learning	FLDC- Cairo University/ from 25 th to 26 th May 2015
17	Legal and financial aspects in university environment	FLDC- Cairo University/ from 10 th to 11 th Sep. 2014
18	The training course of statistical data analysis using SPSS level -1	The institute of statistical studies and research- - Cairo University / from 15 th to 26 th Dec. 2013
19	Exams and students evaluation systems	FLDC- Cairo University/ from 23 rd to 24 th Aug. 2014
20	Organization scientific conferences	FLDC- Cairo University/ from 31 st Mar. to 2 nd Apr. 2012
21	The Credit hour systems	FLDC- Cairo University/ from 19 th to 21 st Jan. 2011
22	Quality Standards in Teaching	FLDC- Cairo University/ from 5 th to 7 th Jul. 2011
23	Use of technology in teaching	FLDC- Cairo University/ from 20 th to 22 nd Jun. 2011
24	Effective presentation skills	FLDC- Cairo University/ from 30 th May to 1 st Jun. 2011
25	Computer skills	Scientific Computing Center and Computer Network - Cairo University/ from 6 th Jun. to 8 th Jul. 2010
26	Scientific publication	FLDC- Cairo University/ 2008
27	TOEFL	Foreign Languages and Translation Specialist center- Faculty of arts - Cairo university/ 2007

Activities:

- Member of the committees to welcome new students, Faculty of physical therapy, Badr university in Cairo (BUC) during the academic year 2021/ 2022.
- Participation in academic advising work, Faculty of physical therapy, Badr university in Cairo (BUC) during the academic year 2021/ 2022.
- Giving training workshops to internship students, Department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical therapy, Badr university in Cairo (BUC) from Dec2020 till now.
- Giving clinical training workshops for internship students, Department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical therapy, Cairo University, on various neurological diseases using explanatory videos and conducting exams to ensure that they pass the neurological course from May to August 2020 during the pandemic of Corona virus.
- Participation in the scientific meeting for students at the Department of physical therapy for neuromuscular disorders and its surgery, Faculty of Physical therapy, Cairo University from 2017 to 2020.
- Member of the personal interview committees for new students, Faculty of Physical therapy, Cairo University in the academic year 2017/2018.
- Attendance of the celebration of orphan children (600 orphaned child) at the Cairo University in 09.25.2007.
- Supervising internship students, Department of physical therapy for neuromuscular disorders and its surgery, outpatient clinic, Faculty of Physical therapy, Cairo University from 2006 to 2016.

Awards and appreciation




- Certificate of Appreciation from the Department of physical therapy for neuromuscular disorders and its surgery, for carrying out the department's work related to the educational process and quality in the academic year 2018-2019.
- Certificate of appreciation from Cairo University for international publication for the academic year 2013-2014.
- Certificate of thanks and appreciation from 4th grade students (Faculty of physical therapy, Cairo University) for my efforts during the academic year (2013-2014, second semester).
- Certificate of appreciation from Cairo University for the best master thesis in faculty of physical therapy for the academic year 2011-2012.

- Certificate of thanks and appreciation from 4th grade Sudanese students (Faculty of physical therapy, Al Neelain University) for my efforts during the academic year (2011-2012).

Computer Skills:

Excellent in word, excel and power points.

Language Skills:

	Excellent	V. Good	Good	Fair
 Arabic	√			
 English	√			
 French			√	

Hobbies & Extracurricular Activities:

 Reading