

Office Phones.

+2025329894, +2010016668886,
+201285015023

Email.

amrhasanneuro@kasralainy.edu.eg

Address.

87th El-Manial St., Cairo, Egypt,
P.O.11553



Dr. Amr Hassan MD, FEBN

Consultant and Professor of Neurology
Kasr Al Ainy Faculty of Medicine
Cairo University- Cairo- Egypt
Fellow of European Board of Neurology

Membership of Scientific Societies & Committees:

- Fellow of European board of Neurology
- Member of European Society of Pediatric Neurology
- Board member of the National Egyptian Neurology Board.
- Board member of chapters of Multiple sclerosis, Pediatric Neurology and Headache at the Egyptian Society for Neurology, Psychiatry and Neurosurgery.
- Member of Egyptian Society of Neurology, Psychiatry and Neurosurgery.

PART I

General Information

Personal Information

Name : Amr Hassan El Sayed Mohammed
Al-Hasany

Gender: Male

Nationality: Egyptian

Office address : 87th El-Manial St.,
Cairo, Egypt, P.O.11553

Office Phones: +2025329894,
+2010016668886,
+201285015023

E- mail : amrhasanneuro@kasralainy.edu.eg

Website: www.amrhasanneuro.com

Current post: Professor of Neurology-
Cairo University
Consultant Neurologist

ORCID: 0000-0001-7374-7074

Hospital or Affiliated institution appointments

- 2002 - 2003
Cairo University Hospitals | Egypt
House Officer
- 2003 - 2006
Neurology departement Cairo University
Hospitals | Egypt
Resident
- 2006 - 2007
Neurocritical care unit Cairo University
Hospitals | Egypt
Resident
- 2010 - Current
Kasr El Aini New Teaching Hospital
(French Hospital), Cairo | Egypt
Consultant Neurology
- 2010 - Current
Manial Specialized hospital, Cairo | Egypt
Consultant Neurology
- 2010 - 2013
Nile Badrway hospital, Cairo | Egypt
Consultant Neurology
- 2013 - 2014
Dar AlFouad hospital, Cairo | Egypt
Consultant Neurology
(in collaboration with Cleveland Clinic - USA)

Education

- 📅 1995 - 2001 **M.B.B.Ch (Medicine and Surgery)**
Cairo University, Egypt.
- 📅 2003 - 2007 **Master degree(Neuropsychiatry)**
Cairo University, Egypt.
- 📅 2007 -2010 **Doctoral Degree (PhD Neurology)**
Cairo University, Egypt.

Academic Appointments

- 2007
Cairo University | Egypt
Clinical Demonstrator of Neurology
- 2007 - 2010
Cairo University | Egypt
Assistant Lecturer of Neurology
- 2010 -2015
Cairo University | Egypt
Lecturer of Neurology
- 2015 -2020
Cairo University | Egypt
Assistant Professor of Neurology
- 2010 -2015
Cairo University | Egypt
Lecturer of Neurology
- 2015 -2020
Cairo University | Egypt
Assistant Professor of Neurology
- 2020 - Current
Cairo University | Egypt
Professor of Neurology
- 2016 -Current
Fellow of European board of Neurology
- 2017 - 2018
Cairo University | Egypt
Director of Kasr Al Ainy Multiple sclerosis Unit (KAMSU)

PART II

Research and Bibliography.

Master degree research project.

Ph.D. Research Project

Bibliography

Master degree research project

Cryptogenic stroke means stroke with unexplained aetiology, in cases the cause of stroke remains undetermined in spite of full investigations. Those patients are thought to have hypercoagulable state. the purpose of the study was to unmask some of the pathogenic mechanisms underlying cryptogenic stroke through assessment of some genetic disorders including C677T mutation in methylenetetrahydrofolate reductase gene and activated protein C (APC) resistance, and the role of thrombin anti-thrombin complex concentration in plasma as indicator of hypercoagulable state. the study concluded that C677T mutation in methylenetetrahydrofolate reductase gene, activated protein C (APC) resistance, thrombin anti-thrombin complex concentration in plasma are not independent risk factor for cryptogenic stroke, TAT could be used as indicator of clinical severity and prognosis in patients with non-cryptogenic stroke.

Ph.D. Research Project

Cerebral palsy is an "umbrella term covering a group of non-progressive motor impairment syndromes secondary to lesions or anomalies of the brain arising in the early stages of its development". Stem cells are well known to be capable of differentiating into specialized cells performing different functions in the body. A stem cell transplantation (SCT) technology represents a new feasible approach to the treatment for a number of diseases including cerebral palsy. The Purpose of study was to study the impact of SCT on psychomotor functions in patients with cerebral palsy. We Concluded that Autologous stem cell transplantation could be a safe & helpful tool in the management of patients with cerebral palsy.

Bibliography

- 1- Thrombophilia in Patients with Cryptogenic Stroke.** Egypt J. Neurol. Psychiat. Neurosurg., 2008, 45(2): 549-560.
- 2- Stem Cell Transplantation in Egyptian Patients with Cerebral Palsy.** June 2012. Egyptian Journal of Neurology, Psychiatry and Neurosurgery 49(2):117-122.
- 3- Melatonin and Epilepsy: Clinical and Laboratory Study.** Egypt J Neurol Psychiat Neurosurg. Oct 2012; 49(4): 387-392.
- 4- Insomnia and Obstructive Sleep Apnea among Egyptians: A Hospital-Based Study.** Egypt J Neurol Psychiat Neurosurg. Jan 2014, Vol 51(1):112-118.
- 5- Quality of Life and Depression in Egyptian Patients with Multiple Sclerosis.** Egypt J Neurol Psychiat Neurosurg. Oct 2014, Vol 51(4), 445-450.
- 6- Urinary 6-Sulphatoxymelatonin Levels and Sleep Disorders in Children With Migraine.** Journal of Child Neurology 2014, Vol. 29(7) 947-951.
- 7- REM Sleep Behavior Disorder and Excessive Daytime Sleepiness among Egyptians: A Hospital-Based Study.** Egypt J Neurol Psychiat Neurosurg. Oct 2014, Vol 51(4), 421-426.
- 8- Thalamic Involvement and Its Impact on Disability and Cognition in Multiple Sclerosis: A Clinical and Diffusion Tensor Imaging Study.** Egypt J Neurol Psychiat Neurosurg. Apr. 2015. Vol 52(2), 139-145.
- 9- Kasr Al-Ainy Proposed Protocol for Diagnosis and Treatment of Multiple Sclerosis. I: Diagnosis.** Egypt J Neurol Psychiat Neurosurg. Jan 2015; 52(1): 1-8.
- 10- Cerebral small vessel disease and cognition.** Egypt J Neurol Psychiat Neurosurg. Jan 2015; 52(1): 75-82.
- 11- Serum Lactate and Uric Acid As Biomarkers For Disease Activity and Progression In Multiple Sclerosis.** Egypt J Neurol Psychiat Neurosurg. Apr. 2015. Vol 52(2), 127-131.
- 12- Effects of functional electric stimulation and task specific training on gait recovery in patients with stroke: Randomized controlled trial.** Clinical Neurophysiology 128 (2017) e178-e303.
- 13- Reliability of BICAMS (Arabic version) in Egyptian multiple sclerosis patient.** Multiple Sclerosis Journal. 2017; 23: (Suppl. 3), 155-156.

- 14- Evaluation of Cognitive Functions and Diffusion Tensor MRI in Patients with Juvenile Myoclonic Epilepsy.** Med. J. Cairo Univ., 2017; 85(8).
- 15- Characteristics and predictors of progression in an Egyptian multiple sclerosis cohort: a multicenter registry study.** Neuropsychiatr Dis Treat. 2017 Jul; 13:1895-903.
- 16- Assessment of carbonyl protein and ferritin as markers of oxidative stress and disease progression in multiple sclerosis.** Accepted for Publication in Egypt J Neurol Psychiat Neurosurg. July 2017.
- 17- Effect of Vestibular Rehabilitation Therapy on Fatigue in Patients With Multiple Sclerosis: A Randomized Controlled Trial.** International Journal of ChemTech Research, 2017,10(5): 443-450.
- 18- Clinical, Diffusion Tensor Imaging, EEG and Cognitive Biomarkers of Seizure Control in Patients with Juvenile Myoclonic Epilepsy.** Med. J. Cairo Univ., 2017; 85(8).
- 19- Pediatric-onset multiple sclerosis in Egypt: a multi-center registry of 186 patients.** Neuropsychiatr Dis Treat, 2018;14 631-640.
- 20- Role of concentric needle Single Fiber Electromyography in detection of subclinical motor involvement in carpal tunnel syndrome.** Egypt J Neurol Psychiat Neurosurg. 2018; 54:2.
- 21- Testing of Verbal Fluency in Egyptians: Cultural and Educational Challenges.** Cognitive and Behavioral Neurology.2018; 31 (3), 133-14.
- 22- Assessment of school-aged children of mothers with idiopathic generalized epilepsy.** J Nerv Ment Dis. 2019,207 (10):863-69.
- 23- Evaluating Optic Nerve Diameter as a possible Biomarker for Disability in Patients with Multiple Sclerosis.** Neuropsychiatr Dis Treat. 2019,(15):2571-2578.
- 24- Glutamate and Nitric Oxide as biomarkers for disease activity in patients with multiple sclerosis.** Multiple Sclerosis and Related Disorders 38 (2020) 101873.
- 25- Managing Disease-Modifying Therapies and Breakthrough Activity in Multiple Sclerosis Patients During the COVID-19 Pandemic: Toward an Optimized Approach.** Ther Clin Risk Manag. 2020;16:651-662.
- 26- Impact of insulin resistance and metabolic syndrome on disability in patients with multiple sclerosis.** Egypt J Neurol Psychiatry Neurosurg 56, 18 (2020).
- 27- Management Strategies of Patients with Neuromyelitis Optica Spectrum Disorder During the COVID-19 Pandemic Era.** Ther Clin Risk Manag. 2020;16:759-767.
- 28- Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019,** GBD 2019 Universal Health Coverage Collaborators. Lancet Published, August 27, 2020.
- 29- FOXP3 rs3761548 gene variant and interleukin-35 serum levels as biomarkers in patients with multiple sclerosis,** Revue Neurologique, 2020,

PART III

Scientific activities.

Academic Activities.

Academic Activities

- Participation in construction of the Neurology curriculum of Egyptian Board of Neurology in Collaboration with the Royal College, Ireland.
- Chief trainer of the Egyptian Board of Neurology in Collaboration with the Royal College, Ireland.
- Board member of the Egyptian Board of Neurology.
- Participation in construction of the Neurology curriculum of Pediatric Neurology Master Degree, Cairo University.
- Coordinator of the Neuropediatric master degree committee, Cairo
- Board member in the chapters of Multiple sclerosis, Pediatric Neurology and Headache at the Egyptian Society

Teaching Reports

- **2007 - 2010**
Neurology Department, Faculty of Medicine, Cairo University Hospitals, | Egypt
 - Teaching for the undergraduate
 - Clinical training and supervision of residents and fellows during the outpatient and inpatient practice
- **2010 - current**
Neurology Department, Faculty of Medicine, Cairo University Hospitals | Egypt
 - Teaching for the undergraduate
 - Teaching for the postgraduate
 - Supervision of residents and fellows during the outpatient and inpatient practice
- **2012 - current**
Neurology Department, Faculty of physical therapy, Cairo University | Egypt
 - Teaching for the undergraduate
- **2012 - 2015**
Neurology Department, Faculty of physical therapy, Cairo University | Egypt
 - Teaching for the postgraduate
- **2012 - current**
Neurology Department, Faculty of Medicine Cairo University Hospitals, (In Collaboration with the Royal College, Ireland). | Egypt
 - Main trainer of Egyptian Board of Neurology

Conferences And Symposia

A. Oral presentations

International Conferences

- 1- 15th International Child Neurology Congress;** November 2018, Mumbai, India.
 Lecture(s) title:
 - i. Pediatric Multiple Sclerosis in Egypt, multicenter study.
 - ii. Pediatric movement disorders: case presentation
- 2- 16th International Arab European Conference on Neuroprotection and Neurorecovery;** September 2017, Vienna, Austria
 Lecture(s) title: Stroke in Children
- 3- 10th GCC Neurology Meeting and the 24th Saudi Neurology Society Meeting;** February 2018; Alkhobar, Saudi Arabia
 Lecture(s) title: Updates on Pediatric Multiple Sclerosis.
- 4- NeuroRehabilitation Masterclass in Middle-East;** November 2018, Istanbul, Turkey
 Lecture(s) title: Goals setting in Patients with Spasticity.
- 5- Updates in Neurology;** April 2019, Beirut, Lebanon.
 Lecture(s) title: How to deal with the diagnostic challenges of pediatric epilepsy?
- 6- Middle East Masterclass in Headache;** Oct 2019, Dubai - UAE.
 Lecture(s) title: Migraine in children

National Conferences

- 7- The 5th Annual Meeting of the Neurology Department, Cairo University (CairoNeuro);** 25th - 27th December 2013, Cairo, Egypt.
 Lecture(s) title:
 - i. Immunopathogenesis of multiple sclerosis.
 - ii. Red flags in diagnosis of multiple sclerosis.
 - iii. Case presentation.
- 8- The 25th Fundamental Critical Support Course;** 28-30th April 2014, Cairo, Egypt.
 Lecture(s) title: Neurological support.
- 9- Annual Summer Meeting of The Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference, Alexandria,** 5th - 7th June 2014.
 Lecture(s) title: Pediatric Multiple Sclerosis.

Conferences And Symposia (Cont'd)

A. Oral presentations

National Conferences (Cont'd)

10- The 26th Fundamental Critical Support Course; 27th -29th October 2014, Cairo, Egypt.

Lecture(s) title: Neurological support.

11- The 6th Annual Meeting of the Neurology Department Cairo University (6th Cairo Neuro); December 2014, Cairo, Egypt.

Lecture(s) title:

- i. Immunopathogenesis of multiple sclerosis.
- ii. Red flags in diagnosis of multiple sclerosis.
- iii. Role of botulinum toxin in hemifacial spasm.
- iv. Kasr Al Ainy Protocol of Management of Multiple Sclerosis

12- Annual conference of the Neuropsychiatry department Alexandria University (7th ANC); January 2015, Alexandria, Egypt.

Lecture(s) title: Kasr Al Ainy Protocol of Management of Multiple Sclerosis.

13- The 7th Annual Meeting of the Neurology Department, Cairo University (CairoNeuro); December 2015, Cairo, Egypt.

Lecture(s) title:

- i. Pitfalls in Diagnosis of Multiple Sclerosis: Interactive case study
- ii. Hemifacial Spasm: Face and Smile
- iii. How can we forecast The Outcome of Multiple Sclerosis?

14- The Egyptian Society of Neurology, Psychiatry & Neurosurgery (Epilepsy Division) "Update in The diagnosis of Epilepsy", December 2015, Cairo, Egypt.

Lecture(s) title: Epileptogenesis.

15- The 1st Pediatric Neurology conference, Azhar University; Jan 2016, Cairo, Egypt.

Lecture(s) title: Tips and tricks in diagnosis of pediatric syndromes.

16- 8th Annual conference of the Neuropsychiatry Department Faculty of Medicine, Alexandria University & 1st Middle East and North Africa, Stroke and Interventional Neurology Organization (Mena-Sino); March 2016 Bibliotheca of Alexandria, Alexandria, Egypt.

Lecture(s) title: Grey Matter and Multiple Sclerosis

17- 4th Epilepsy Academy- Alex, In collaboration with Neuropsychiatry Department Alexandria University; July 2016, Alexandria, Egypt.

Lecture(s) title: Anti Epileptogenesis

18- 1st Kasr Alainy Multiple sclerosis unit Preceptorship (KAMSU); Sep 2016, Learning resource center, Kasr Al-Ainy Hospital, Cairo University, Cairo, Egypt.

Lecture(s) title

- i. Clinically isolated syndrome
- ii. Pitfalls in diagnosis of MS: Interactive case study.

19- The 8th Annual Meeting of the Neurology Department, Cairo University (CairoNeuro); December 2016, Cairo, Egypt.

Lecture(s) title:

- i. Approach to a syndromic child: interactive case presentation
- ii. Non epileptic paroxysmal events in children.
- iii. Epilepsy's New Pipeline Therapeutics: Can They Meet The Challenges?
- iv. Pitfalls and red Flags in diagnosis of multiple Sclerosis: interactive case Presentation.
- v. Neuro- ophthalmological presentation of multiple Sclerosis: video - illustrated case files.

20- 18th Cairo International Neurology Conference; Cairo, February 2017.

Lecture(s) title: Juvenile Movement Disorders.

21- 2nd Kasr Alainy Multiple sclerosis unit Preceptorship (KAMSU); May 2017, Learning resource center, Kasr Al-Ainy Hospital, Cairo university, Cairo, Egypt.

Lecture(s) title:

- i. Grey matter involvement in MS
- ii. Biomarkers in MS.

22- 1st Tanta international conference. August 2017, Cairo, Egypt.

Lecture(s) title: Antiepileptogenesis

23- 3rd Kasr Alainy Multiple sclerosis unit Preceptorship (KAMSU); Dec 2017, Learning resource center, Kasr Al-Ainy Hospital, Cairo university, Cairo, Egypt.

Lecture(s) title: Pitfalls in Diagnosis: Interactive case studies

24- The 9th Annual Meeting of the Neurology Department, Cairo University (CairoNeuro); Dec 2017, Cairo, Egypt.

Lecture(s) title:

- i. Clinical patterns and semiology of dystonia.
- ii. Pediatric onset Multiple Sclerosis: Challenges and achievement

Conferences And Symposia (Cont'd)

A. Oral presentations

National Conferences (Cont'd)

25- 3rd Winter Meeting of Afro-Asian Council of Ophthalmology Joint with Military Medical Academy Ophthalmology. January 2018, Cairo, Egypt.

Lecture(s) title: Diagnosis and management of optic neuritis.

26- 19th Cairo International Neurology Conference; Cairo, Feb 2018.

Lecture(s) title: Tactics and techniques in management of MS

27- First Egyptian Ms Summit; February 2018 Alexandria, Egypt

Lecture(s) title: Grey Matter and MS.

28- International congress of the Egyptian Ophthalmological Society EOS. March 2018, Cairo, Egypt.

Lecture(s) title: Diagnosis and management of optic neuritis.

29- Annual Summer Meeting Of The Egyptian Society of Neurology, Psychiatry and Neurosurgery, May 2018, Alexandria, Egypt.

Lecture(s) title: Navigating The Multiple Facets Of Multiple Sclerosis Management

30- 6th Epilepsy Academy – Alex Egyptian Bureau for Epilepsy (EBE); August 2018, Alexandria, Egypt

Lecture(s) title: Update in The Management of pediatric Epileptic Syndromes.

31- 2nd Tanta international conference. August 2018, Cairo, Egypt.

Lecture(s) title:

- i. Lifestyle Modification in Epilepsy: Myths and Facts.
- ii. How to start DMT and when to De-Escalate?

32- 7th Upper Egypt Neuroscience (UENS) Conference; November 2018, Luxor, Egypt.

Lecture(s) title: How to start DMT in MS and when to De-Escalate?

33- 1st International Egyptian Stroke Conference In Collaboration MENA Stroke Organization and European Stroke Organization; Dec 2018, Cairo, Egypt.

Lecture(s) title: Multiple Sclerosis and Cerebrovascular Diseases: the grey zone.

34- 10th Annual meeting of the Neurology Department, Cairo University (Cairo Neuro); Dec 2018, Cairo, Egypt.

Lecture(s) title:

- i. Precise definition of disease activity in MS: The coin has more than to faces.
- ii. Perioral dyskinesias.

35- 4th Kasr Alainy Multiple sclerosis unit Preceptorship (KAMSU). Dec 2018, Learning resource center, Kasr Al-Ainy Hospital, Cairo university, Cairo, Egypt.

Lecture(s) title

- iii. Grey matter and MS
- iv. Childhood demyelinating disorders

36- 20th Cairo International Neurology Conference; Feb 2019, Cairo, Egypt.

Lecture(s) title: Migraine in Children.

37- 1st Delta Neuroscience Conference; Mar, 2019, Ismailia, Egypt

Lecture(s) title: Headache in Children.

38- Annual Summer Meeting of the Egyptian Society of Neurology, Psychiatry and Neurosurgery; Jun 2019, Alexandria, Egypt.

Lecture(s) title: MS Patient trajectory: response and beyond.

39- 3rd Tanta international conference; Aug 2019, Cairo, Egypt.

Lecture(s) title: Cues and clues in diagnosis of pediatric epilepsy syndromes.

B. Poster Presentation

International Conferences

1. REM Sleep Behavior Disorder and Excessive Daytime Sleepiness among Egyptians. Joint congress of European Neurology; May 2014, Istanbul, Turkey

2. Impact of insulin resistance and metabolic syndrome on disability and disease progression in patients with multiple sclerosis, ECTRIMS 2017, Paris, France.

3. Reliability of BICAMS (Arabic version) in Egyptian multiple sclerosis patients. ECTRIMS 2017, Paris, France.

4. Early life residence in Gulf is associated with rapid multiple sclerosis progression in young Egyptians. Multiple Sclerosis journal 23(S3):730-731, ECTRIMS 2017, Paris, France.

5. Diffusion Tensor Imaging, And Cognitive Biomarkers Of Seizure Control In Patients With Juvenile Myoclonic Epilepsy. XXIII World Congress of Neurology (WCN 2017), Kyoto, Japan.

6. Verbal fluency tests in Egyptians: Cultural and educational challenges. XXIII World Congress of Neurology (WCN 2017), Kyoto, Japan.

B. Poster Presentation

International Conferences (Cont'd)

- 7. Evaluation of Cognitive Functions and Diffusion Tensor MRI in Patients with Juvenile Myoclonic Epilepsy.** Epilepsia 58(2017) S148-S148, 32nd International Congress on Epilepsy in Barcelona, Spain
- 8. Effects of functional electric stimulation and task specific training on gait recovery in patients with stroke: Randomized controlled trial.** Clinical Neurophysiology 128 (2017) e178–e303. 16th European Clinical Neurophysiology conference, Budapest, Hungary.
- 9. Impact of insulin resistance and metabolic syndrome on disability and disease progression in patients with multiple sclerosis.** ECTRIMS 2017, Paris , France.
- 10. Long noncoding RNA-Ccr2-5As and THRIL as novel biomarkers of multiple sclerosis.** ECTRIMS 2018, Berlin, Germany.
- 11. Sonographic optic nerve sheath diameter versus optic coherence tomography as a biomarker for disability in patients with multiple sclerosis.** ECTRIMS 2018, Berlin, Germany.
- 12. Effect of Vestibular Rehabilitation Therapy on Fatigue in Patients With Multiple Sclerosis: A Randomized Controlled Trial.** World congress of neurorehabilitation. Neurorehabilitation and Neural Repair 2018, Vol. 32(4-5) 317 –362.
- 13. Multiple sclerosis related headaches. Prevalence and classification.** ECTRIMS 2018, Berlin, Germany.
- 14. Diffusivity Parameters as Markers for NAGM Involvement and Disease Progression in MS Patients: Diffusion Tensor Imaging Study.** November 2018. Multiple Sclerosis and Related Disorders 26:251.
- 15. Demographics and Clinical Characteristics of Neuromyelitis Optica Spectrum Disorder in Egypt: First Retrospective Longitudinal Study in a Tertiary Referral Center.** ECTRIMS 2019, Stockholm, Sweden.
- 16. Demographics and clinical characteristics of Neuromyelitis Optica and Neuromyelitis Optica Spectrum Disorder in Egypt: first retrospective longitudinal study in a tertiary referral centre.** ECTRIMS 2019, Stockholm, Sweden.
- 17. Glutamate and Nitric Oxide as biomarkers for disease activity in patients with multiple sclerosis.** ECTRIMS 2019, Stockholm, Sweden.

C. Participation as an attendant:

International Conferences

- 1. 5th Eastern European Neurology Summer School For Young Neurologists;** Jul 2010, Eforie Nord, Romania.
- 2. German Saudi Hospital International Psychiatry Conference;** Jun 2011, Jeddah, Saudi Arabia.
- 3. 2nd Multiple Sclerosis Symposium, American University of Beirut;** May 2012, Beirut, Lebanon.
- 4. 22nd Meeting of European Neurology Society (ENS);** Jun 2012, Prague, Czech Republic.
- 5. 13th congress of the Pan Arab Union of Neurological Societies in conjunction with 14th Cairo International Neurology Conference;** Feb 2013, Sharm El Sheikh , Egypt.
- 6. 11th European Child Neurology Society Congress;** May 2015, Vienna, Austria.
- 7. 31st European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS);** Sep 2015, Barcelona, Spain.
- 8. 2nd Middle East and North Africa Committee for Treatment and Research in Multiple Sclerosis (MENACTRIMS);** Mar 2016, Amman , Jordan.
- 9. The British Academy & Continuing Medical Education, The 1st Annual Meeting “Update and Development” (U&D);** Apr 2016, Istanbul, Turkey
- 10. 2nd European Academy of Neurology;** Jun 2016, Copenhagen, Denmark.
- 11. 4th East Mediterranean Epilepsy Congress;** Feb 2017, Luxor, Egypt.
- 12. 3rd Middle East and North Africa Committee for Treatment and Research in Multiple Sclerosis (MENACTRIMS).** Dec 2017, Dubai, UAE.
- 13. 74th American Academy of Neurology;** Apr 2018, Los Angeles, USA.
- 14. Congress of the Pan Arab Union of Neurological Societies;** Sep 2018 Amman, Jordan.
- 15. 34th European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS);** Oct 2018, Berlin, Germany.
- 16. 13th European Child Neurology Society Congress;** Sep 2019, Athens, Greece.
- 17. 35th European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS);** Oct 2019, Stockholm, Sweden.
- 18. 24th World Congress of Neurology;** Oct 2019, Dubai, UAE.
- 19. 5th Middle East and North Africa Committee for Treatment and Research in Multiple Sclerosis (MENACTRIMS);** Dec 2019, Dubai, UAE.

**C. Participation as an attendant:
National Conferences**

- 20. Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference;** Dec 2003, Zagazig, Egypt.
- 21. 5th Cairo International Neurology Conference;** Jan 2004, Sharm El -Sheikh, Egypt.
- 22. 6th Cairo International Neurology Conference;** Feb 2005, Cairo, Egypt.
- 23. Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference;** Dec 2005, Hurghada, Egypt.
- 24. Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference;** Sep 2006, Mansoura, Egypt.
- 25. 7th Cairo International Neurology Conference;** Feb 2006., Cairo, Egypt.
- 26. Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference;** Mar 2006, Assuit, Egypt.
- 27. 8th Cairo International Neurology Conference;** Feb 2007, Hurghada, Egypt.
- 28. 9th Cairo International Neurology Conference;** Feb 2008, Cairo, Egypt.
- 29. Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference;** Jun 2008, Alexandria, Egypt.
- 30. 1st Annual Meeting of the Neurology Department,** Cairo University, in conjunction with ILAE, EFNS & WSO. Red Sea, Egypt, Nov 2008. Egypt.
- 31. 10th Cairo International Neurology Conference,** Feb 2009. Luxor, Egypt.
- 32. International symposium on epilepsy and movement disorders.** Jan 2010, Luxor, Egypt.
- 33. Annual Summer Meeting of Egyptian Society of Neurology, Psychiatry and Neurosurgery Conference.** Jun 2006, Alexandria, Egypt.
- 34. 11th Cairo International Neurology Conference.** Feb 2010, Sharm El Sheikh, Egypt.
- 35. Annual Meeting of the Neurology Department** Cairo University (Cairo Neuro); Dec 2010, Cairo, Egypt.
- 36. The University of Texas Stroke Symposium.** Jan 2011, Cairo, Egypt.
- 37. 12th Cairo International Neurology Conference.** Apr 2011. Cairo, Egypt.
- 38. Annual meeting of the neurology department,** Cairo University (Cairo Neuro); Dec 2011, Cairo, Egypt.
- 39. Arab Forum for Neurosurgery;** Oct 2012, Hurghada, Egypt.
- 40. Annual meeting of the neurology department,** Cairo University (Cairo Neuro); Dec 2012, Cairo, Egypt.

Specialized Training Courses:

- 1- Participation in World Federation Of Neurology Continuing Medical Education Program.** 2005.
- 2- Participation in World Federation Of Neurology Continuing Medical Education Program.** Apr 2007.
- 3- Participation in World Federation Of Neurology Continuing Medical Education Program.** Aug 2007.
- 4- Participation in training course organized by European Federation of Neurology (EFNS) for young neurologists.** May 2010, Prague, Czech Republic.
- 5- MRI in MS: The Clinical Relevance Of Brain Atrophy.** May 2013. Vall d'Hebron Hospital, MS Center of Catalonia, Barcelona, Spain.
- 6- Advanced Spasticity Seminar. North Staffordshire rehabilitation center, Haywood Hospital.** Mar 2014. Stoke-on-Trent, United Kingdom.
- 7- Participation in World Federation Of Neurology Continuing Medical Education Program:** Aug 2014.
- 8- Masterclass in the Anatomy of Ultrasound Guided Intramuscular botulinum toxin Injection.** Mar 2015, Royal Liverpool Hospital Liverpool, United Kingdom.
- 9- Multiple Sclerosis Preceptorship.** Sep 2017, the Medical University of Innsbruck, Austria.
- 10- Allergan Medical Institute Masterclass in Ultrasound Guided Intramuscular botulinum toxin Injection.** Mar 2017, University Of Würzburg, Germany.
- 11- Ultrasound Guided Botulinum Toxin Injection Cadaveric and Hands on Training.** Feb 2018, Fribourg, Switzerland.
- 12- MS Academy, International MS Masterclass.** Jul 2019 London, United Kingdom.

Specialized Training
Courses:

Extracurricular Courses:

Extracurricular Courses:

- 1- Management of addiction and its related disorders;** May 2002, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 2- Methods of scientific research;** Jul 2007, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 3- Management of medical conferences;** Jul 2007, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 4- International publication;** Apr 2010, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 5- Credit hours system;** May 2010, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 6- Dale Carnegie Training "Presenting with an impact";** Sep 2012, Cairo, Egypt.
- 7- Management of research team.** Dec 2014, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 8- Ethics of research;** May 2015, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 9- Examination and evaluation systems;** Jun 2015, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 10- Use of technology in teaching;** May 2015, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 11- Bibliometrics for Researchers;** Nov 2016, Cairo University, Cairo, Egypt.
- 12- University Rankings;** Nov 2016, Cairo University, Cairo, Egypt.
- 13- Using statistical Analysis in Academic Research;** Jul 2017, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 14- Total quality management in health care system;** Jun 2018, Faculty and Leadership Development Center (FLDC), Cairo University, Cairo, Egypt.
- 15- Systematic Review and Meta-analysis;** Feb 2017, Medical Education Development Center (MEDC), Cairo University, Cairo, Egypt.