

Biographical



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Date of Birth: September 4th, 1975

Place of Birth: Benha, Kalubiah, Egypt

Citizenship Status: Egyptian

Marital Status: Married, two children

Education and Training

Doctorate Degree of Neurosurgery, Ain Shams University, Faculty of Medicine, Department of Neurosurgery, Cairo, Egypt – November 2011.

Training in Skull Base, Cerebrovascular Surgery and spine surgery with Prof . Hae Dong Jho in Allegheny General Hospital, Drexel University, Pittsburgh PA United States of America . From May, 2008 to August , 2010.

Skull Base Surgery and microsurgical anatomy Lab, Prof Khaled Aziz, Drexel university, from May 2008 to August 2010

Skull Base Surgery and microsurgical anatomy, Prof Albert Rhoton, University of Florida, February, 2009.

Master Degree of General Surgery, Department of General Surgery, Faculty of Medicine, Benha University, Benha, Egypt – May 2004.

Resident of neurosurgery, Department of Neurosurgery, Benha University Hospitals, Benha, Egypt, Feb 2002- July 2004

Senior registrar of neurosurgery Naser Institute neurosurgery department Dec.2004 up till may 2008.

Senior registrar of neurosurgery in Heliopolis hospital neurosurgery department, Dec.2004 up till May 2008.

Intern in the Benha University Hospitals, Benha, Egypt, Sept .99- Sept. 2000.

Research fellow in Allegheny General Hospital, Pittsburgh PA from may 2008 until August 2010 under supervision of Prof. Dr. Khaled Aziz Director of complex intracranial skullbase department.

Clinical fellow in the department of minimally invasive neurosurgery Allegheny General Hospital, Pittsburgh PA, from July 2009 till august 2010 under supervision of Prof Dr Hae Dong Jho the director of endoscopic minimally invasive neurosurgery unit.

Certification and Licensure

1999	M.B.B.Ch.	Benha University, Faculty of Medicine, Benha Egypt May, 1999
1999-2000	Intern in	Benha University Hospitals, Benha, Egypt
2004	Master Dgree in General Surgery	Benha University, Faculty of Medicine, Cairo Egypt, November, 2004
2011	MD degree in Neurosurgery	Ain Shams University, Faculty of Medicine, Cairo Egypt, November 2011

Appointments and Positions

2023- Now	Professor of Neurosurgery, Department of Neurosurgery, Faculty of Medicine, Benha University, Benha, Egypt.
2018-2023	Associate Professor of Neurosurgery, Department of Neurosurgery, Faculty of Medicine, Benha University, Benha, Egypt.
2012- 2018	Lecturer in Neurosurgery, Department of Neurosurgery, Faculty of Medicine, Benha University, Benha, Egypt.
2004-2012	Assistant lecturer in Neurosurgery, Department of Neurosurgery, Faculty of Medicine, Benha University, Benha, Egypt.
2009-2010	Clinical fellow in the department of minimally invasive neurosurgery Allegheny General Hospital, Pittsburgh PA
2008-2010	Research fellow in Allegheny General Hospital, Pittsburgh PA

Honors

2004	Awarded (Excellent Degree) for my Master thesis “Thoracolumber fracture spine”. Faculty of Medicine, Benha University.
2004	Awarded (Very Good Degree) in the General Surgery Master Degree Examination. Department of General Surgery, Faculty of Medicine, Benha University
2008	Awarded 2 years funding for abroad pre-Doctorate neurosurgery research and training, Allegheny General Hospital Drexel University Pittsburgh PA, USA.
2011	Awarded (Excellent Degree) for my Ph.D. thesis “Transsphenoidal Pituitary Surgery for Sellar and Suprasellar Pituitary Adenomas”. Ain Shams University, Faculty of Medicine
2011	The Board recorded for the Doctorate of Neurosurgery examination. Faculty of Medicine Ain Shams University.

Conferences and Meetings

- 1) Dr Albert L.Rhoton,Jr .Microneurosurgical course 16 Feb-18 Feb 2005
- 2) annual conference of the Egyptian society of the neurological surgery.march 2006,march2007,march2008
- 3) annual meeting of congress of neurological surgery 2008
- 4) temporal bone microanatomy and hands on dissection workshop june 2008 AGH,Pittsburgh
- 5) minimally invasive endoscopic pituitary and skullbase surgery September 2008 AGH,Pittsburgh

- 6) microscopic and endoscopic approaches for the skull base work shop October 2008
- 7) 78th AANS annual meeting- Philadelphia.PA, USA. 1-5 may 2010.

- 8) The first annual scientific meeting of Department of neurosurgery, Benha University on HYDROCEPHALUS updating knowledge in 8 may 2012.
- 9) The 3rd seminar and 2nd live work shop on interventional management of neurovascular diseases, Egypt Air Hospital 2 march 2012.

- 10) Theoretical and practical aspects of cranial neuroendoscopy course. Hands on Workshop. Triumph hotel and El-Sahel Teaching Hospital, Cairo, 13-15th March, 2012.

- 11) The annual medical meeting of Benha Faculty of Medicine, 25-28th September, 2012, Benha, and Ain Elsokhna.

- 12) The 2nd annual scientific meeting of Department of neurosurgery, Benha University on Sellar and Suprasellar lesions, 25-26th April, 2013. Ain Elsokhna.

- 13) The Quarter Annual Scientific Meeting of Department of Neurosurgery, Benha University on "Spinal Fixation", 26th February, 2013.

- 14) The 4rd Annual Meeting of Egyptian Spine Association, Sharm El Sheikh, Egypt, 5th-7th november 2014.

- 15) 4th neurosurgical update conference ,park hyatt jeddah, Kingdom of Saudi Arabia ,10-12 march, 2014.
- 16) Annual conference of neurosurgery department mansoura university in collaboration with ESNS, skull base surgery, 17 april 2014.

- 17) The 4th Annual Scientific Meeting of Department of Neurosurgery, Benha University on "Cranial Endoscopy", 30th October, 2014.

- 18) 2nd annual conference of neurosurgery department kasr al ainy medical school ,the walter E.Dandy Egypt chapter part II,11 and 12 December,2014.
- 19) The 37th annual meeting of the of Egyptian Society of Neurological Surgeons (ESNS) recent trends in neurosurgery, Fairmont Heliopolis towers cairo,7-9 march 2014.
- 20) 1st annual meeting of neurosurgery department menoufia university in collaboration with ESNS,28 may 2015.
- 21) The 3rd Periodic meeting of the Egyptian Spine Association (ESA), at Banha Neurosurgery Department. 27th August 2015, Benha.
- 22) The 38th annual meeting of the of Egyptian Society of Neurological Surgeons (ESNS) neurosurgery pearls and pitfalls, Hurghada Egypt ,25-27 march 2015.
- 23) The 38th Annual Meeting of Egyptian Society of Neurological Surgeons (ESNS) (Neurosurgery Pearls and Pitfalls), March 25-27th, 2015.
- 24) The 3rd annual conference of Neurosurgery and Spine Center at Al Galaa Medical Compound, 14-15th January 2016, Cairo .
- 25) The first course of Stereotactic and Functional Neurosurgery, held by the Egyptian Society of Neurological Surgeons(ESNS), and Ain Shams University. 10th March, 2016. Cairo.
- 26) The 39th Annual Meeting of Egyptian Society of Neurological Surgeons (ESNS) (Neurosurgery : Reality and Hope), March 23-26th, 2016, Luxor, Egypt.
- 27) 3rd ISMINS international congress on minimally invasive neurosurgery. Cairo contemporary MIN ,18-21 October 2016.
- 28) The 28th interim meeting of Egyptian Society of neurological surgeons in collaboration with Alexandria neurosurgery department, 19th–21st September 2018, porto Marina Hotel, North Coast, Alexandria, Egypt.

- 29) The 12th annual microscopic and endoscopic skullbase surgery course and vascular bypass lab, Allegheny General Hospital, Pittsburgh, Pennsylvania, United States of America, November 15th .2018 –17th November ,
- 30) The 42nd Egyptian Congress of neurosurgery 27th –29th March 2019, Cairo, Egypt.
- 31) The Fifth minimally invasive neurosurgery course, neurosurgery updates cranial and spine, September 4–6, 2019, Cairo EGYPT at National training Institute. cranial course.
- 32) The Fifth minimally invasive neurosurgery course, neurosurgery, updates cranial and spine, from September 4–6, 2019, cairo Egypt, National training Institute, endoscopic skull base course.
- 33) The 29th interim meeting of the Egyptian Society of neurological surgeon 2019 in collaboration with Alexandria neurosurgery department, Sheraton Montazah hotel, Alexandria, Egypt. October 4th –6th , 2019
- 34) The 13th annual microscopic and endoscopic skull base surgery course and vascular bypass lab, November 14- 16, 2019, Allegheny, General Hospital, Pittsburgh, Pennsylvania, United States of America.
- 35) The First international integrated conference (ninth annual medical conference of Benha, faculty of medicine), revolution of integrated medicine, present and future,10th– 11th Cairo Egypt.
- 36) The 43rd Egyptian Congress of neurological surgery conference , 22nd March to 24th March 2022. Cairo, Egypt.
- 37) The Annual conference of neurosurgery department ,Mansoura faculty of medicine in collaboration with Egyptian society of neurological surgeons. Updates in pediatric neurosurgery, 19th May 2022. Egypt.
- 38) The 42nd annual conference of Alexandria neurosurgery department, 14th– 16th September 2022, in borg El Arab Hotel, Alexandria, Egypt.
- 39) The third Congress of the Mediterranean Association of neurological surgeons (MANS), Cairo, Egypt, December 13–15, 2022 organized under the patronage of the world Federation of neurological societies (WFNS).

Training Courses and Workshops:

- Hands on workshop of cranial neuroendoscopy course, Triumph Hotel, and Elshahel Teaching Hospital, 13-15th March, 2012.
- Hands on work shop on posterior lumber spinal fixation held by banha neurosurgery department, at banha faculty of medicine ,26 feb. 2013.
- Hands on Workshop in Cranial endoscopy, held by Benha Neurosurgery Department Palmira resort,, El Sokhna, 25-26th April 2013.
- The 2nd work shop and live cases presentation on Endoscopic Sinus and Skull Base Surgery, held by ENT Depatment at Benha University Hospital, 9-12th February, 2013.
- Workshop on "Advances in Spinal Instrumentation" Benha University, Dept. of Neurosurgery, December 2014.
- The 5th work shop and live cases presentation on Endoscopic Sinus and Skull Base Surgery, held by ENT Depatment at Benha University Hospital, 7-10 February 2015 .
- Faculty member in the ninth annual microscopic and endoscopic skull base surgery course and vascular bypass animal lab held at Allegheny General Hospital, Pittsburgh ,PA, USA during 4-7 November 2015
- The work shop on stereotactic techniques during the first course of Stereotactic and Functional Neurosurgery held by ESNS and Ain Shams University, 10th March, 2016.
- The Training Program "statistical analysis using SPSS", Information and Communications Technology Project (ICTP),Benha University, 30-1-2017.

Research interests :

- Endoscopic transsphenoidal surgery for sellar& suprasellar lesions.
- Minimally invasive approaches to skull base lesions.
- Endoscopic cranial surgery.
- Congenital pediatric neurosurgery.
- Neurotraumatology
- Cord tumors.

Teaching Experience

Microneurosurgery and Skullbase Laboratory

The University of Drexel and Allegheny General Hospital Pittsburgh PA, USA. Microsurgical Laboratory is a premier education and research facility. It is also recognized, nationally and internationally, as a premier facility in the world for skull base surgical training and education. The primary goal of the laboratory is to provide a setting for a neurosurgeon to become skilled with microsurgical instrumentation and to learn surgical anatomy, particularly as viewed through the surgical microscope or the endoscope. I gained three-dimensional orientation in my mind's eye by simulating surgeries as well as endoscopic anatomy of the skullbase .

International publications:

- 1) Abdel Aziz KM, Bhatia S, **Tantawy MH**, Sekula R, Keller JT, Froelich S, Happ E. **Minimally invasive transpalpebral "eyelid" approach to the anterior cranial base.** Neurosurgery. 2011 Dec;69(2 Suppl Operative):ons195-206; discussion 206-7.
- 2) Alkhalili K, **Tantawy M**, Nageeb MM, Ragae MA, Alshyal GH, Alcindor DS, Chen DA, Aziz KM. **Role of squamosal suture as a consistent landmark for middle fossa approach craniotomy: an anatomical study.** J Neurol Surg B Skull Base. 2015 Feb;76(1):35-8.
- 3) Aldahak N, **El Tantawy M**, Dupre D, Yu A, Keller JT, Froelich S, Aziz KM. **Drilling of the marginal tubercle to enhance exposure via minipterional approach: An anatomical study and clinical series of 25 sphenoid wing meningiomas.** Surg Neurol Int. 2016 Dec 12;7(Suppl 40):S989-S994.
- 4) Alaa A. Farag, **Mohamed H. El Sayed** and Mohamed A.S. Osman. **The failure rate of short and long segment fixation of post traumatic thoracolumbar fractures.** Nature and Science 2016;14(9).p 147-149

National publications

- 1) **Pure Endoscopic Endonasal Surgery for Pituitary Adenomas, Technique and Early Results in Banha Neurosurgery Department** , Oral talk in the 38th annual meeting of the Egyptian Society of Neurological Surgeons 25-27th March 2015,
It is accepted in Medical Cairo University Journal at 30/12/2017.
- 2) **Pedicle Subtraction Osteotomy in Treatment of Posttraumatic Kyphosis.** accepted in Egyptian Spine Journal at 17/12/2016.
- 3) **Carpal Tunnel Syndrome: Evaluation of its provocative clinical tests** accepted in Egyptian Neurosurgery Journal at 25/10/2017.
- 4) **Three and Four Levels Anterior Cervical Discectomy and PEEK Cage Fusion Alone In Treatment of Cervical Degenerative Radiculomyelopathy.** Speaker in the joint 11th Asian Pacific Cervical Spine Society (APCSS) and 7th Egyptian Spine Association (ESA) Annual Meetings, November 8-10th, 2017, Cairo, Egypt. It is accepted in Medical Cairo University Journal at 4/11/2017.
- 5) **Frontoorbital advancement and forehead remodeling for correction of anterior calvarial craniosynostosis, surgical technique and results in low economic facilities: Benha Experience,** accepted in Medical Cairo University Journal at 4/11/2017.
- 6) **Endoscopic Fenestration of Multiloculated Post-infectious Hydrocephalus.** It is accepted in Medical Cairo University Journal at 1 /1/2018.
- 7) **Endoscopic interlaminar discectomy using simple technique without the use of complicated industrial tubular systems .**It is accepted in Medical Cairo University Journal at 1 /1/2018.
- 8) **The natural course of incidental intracranial meningiomas: systematic review and meta-analysis.** It is accepted in *International Journal of Advanced Research* at 1 /1/2018.

- 9) **Evaluation of Bone Fusion and Clinical Outcome of a Stand-Alone Polyether Ether Ketone Cage Filled with Biphasic Calcium Phosphate Used in One Level Anterior Cervical Discectomy and Fusion** , Zagazig University Medical Journal Accepted 22 December 2020, printed November 2022 Volume 28, Issue 6 (1505-1513)
- 10) **Laparoscopic Assisted Insertion of Thecoperitoneal Shunt, Simple Technique in a Single Institution Experience, and Comparison with Traditional Minilaparotomy.** Zagazig University Medical Journal Accepted 7 July 2021, printed November 2022 Volume 28, Issue 6)1494-1504.
- 11) **Evaluation of Intradural Extramedullary Spinal Tumors Management: Single Institutional Experience** , The Egyptian Journal of Hospital Medicine, accepted in 18 August 2022. For publish in (October 2022) Vol. 89, Page 5317- 5322.
- 12) **PREDICTING FACTORS OF THE OUTCOME OF CEREBRAL AVMs TREATED WITH ENDOVASCULAR EMBOLIZATION FOLLOWED BY GAMMA KNIFE RADIOSURGERY** , The Medical Journal Cairo University, Accepted: 30/08/2022 to be published December2022
- 13) **VALIDITY OF CORTICAL BONE TRAJECTORY SCREWS TO STABILIZE THE LUMBAR SPINE IN OSTEOPOROTIC PATIENTS**, The Medical Journal Cairo University, Accepted: 30/08/2022 to be published December2022
- 14) **Microsurgical Decompression of C2 Nerve and Ganglion as a Treatment Option for Occipital Neuralgia with Migraine** , The Egyptian journal of hospital medicine Accepted: 15/09/2022 Printed (October 2022) Vol. 89 (2), Page 6809- 6815 Accepted and presented as an oral presentation during the 3rd Congress of the Mediterranean Association

of Neurological Surgeons (MANS) in Cairo, Egypt on December 13-15,2022

15) Factors Affecting the Outcome of Surgical Management of Atypical Meningiomas , The Egyptian journal of hospital medicine, Accepted: 05/11/2022 To be published (January 2023) Vol. 90, Page 226-235

16) Evaluation of Connecting a Fourth Ventricular Catheter with Y Connector to a Previous Ventriculoperitoneal Shunt, as a Treatment Option for Patients with Symptomatic Trapped Fourth Ventricle. The Egyptian journal of hospital medicine, Accepted: 24/12/2022, To be published (January, 2023) Vol. 90 page 300-307.

References

-Sayed EL Gindi. FRCS

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13 Abdel Kadder Hamdy, EL Hay EL Khames,
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-Prof.Dr. Khaled Aziz

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