

Amr O. El-Naggar M.D. F.A.C.S., F.A.A.N.S. Curriculum Vitae

ADDRESS

Office: Lake Cumberland Neurosurgical Clinic
75 Hail Knob Road. Somerset , Kentucky 42503
Telephone #: (606) 678 - 9617
Fax #: (606) 678 - 9619

BOARD CERTIFICATIONS

Board certified - American Board of Neurological Surgery - 1996.
Board certified - American Board of Pain Medicine -1996.

CURRENT POSITION

2010 to present : **President of DREZ one. LLC**
75 Hail Knob Road. Somerset , Kentucky 42503
President
July 1990 to present : Lake Cumberland Neurosurgical Clinic 75 Hail Knob Road. Somerset , Ky
42503
December 1st 2014 to Present : **Clinical Professor of Neurosurgery.**
University of Louisville, Kentucky
September 2005 to Present : **Clinical Professor of Neurosurgery.**
Pikeville College, Kentucky

PREVIOUS POSITIONS

1990 to 1992. **Assistant Professor of Neurosurgery**
University of Kentucky Medical Center
Lexington , KY - Part Time
1990 to 1992. **Assistant Professor of Anesthesiology and Neurosurgery Consultant**
University of Kentucky Pain Management Center
Lexington , KY - Part Time
1993 **Chief of Surgery Humana Hospital Lake Cumberland**
1997, 2015 **Chief of Medical Staff elect**
Lake Cumberland Regional Hospital
2001, 2003, 2005, 2010, 2014 **Chief Of Neurosurgery Lake Cumberland Regional Hospital**

HOSPITAL PREVILIGES

August 1990 – Present Lake Cumberland Regional Hospital. 305 Langdon Street Somerset, KY 42503
August 2009 – Present University of Louisville Medical Center 530 Jackson Street Louisville, KY 40202.
June 2008 - Present Somerset Surgery Center 30 MedPark Drive Somerset, KY 42503
December 2001 - Present Lake Cumberland Surgery Center 301 Langdon Street Somerset, KY 42503

MEDICAL LICENSURE

Kentucky , Ohio , Massachusetts, Minnesota

RESIDENCY TRAINING

July 1985 - June 1990 Duke University Medical Center , Durham , North Carolina .

FELLOWSHIPS

July 1982 - June 1983 **Massachusetts General Hospital.
Harvard University, Boston. Massachusetts.**
July 1984 - June 1985. **University of Cincinnati Medical Center, Cincinnati , Ohio**

COLLEGE FELLOWSHIPS

**Fellow of American College of Surgeons.
Fellow of International College of Surgeons.
Hallett Prize winner of the Royal College of Surgeons of England .
Fellow of American Association of Neurological Surgeons**

AWARDS

July 1982 - June 1983 **Hallett Prize - Royal College of Surgeons of England .**

VISITING PROFESSOR

October 19-21, 1999 Visiting professor University of Bristol, England .
March 1999, December 2000, April 2001 Visiting Professor Saudi – German Hospital.

SOCIETY MEMBERSHIP

**American Association of Neurological Surgeons
American Medical Association - KY Medical Association.
American Society of Stereotactic and Functional Neurosurgery.
World Society of Stereotactic and Functional Neurosurgery.
Congress of Neurological Surgery.
American Academy of Pain Medicine.**

EDUCATION AND TRAINING

- 1959 to 1965 Primary Education at St. George's College, Heliopolis , Cairo , Egypt .
- 1965 to 1969 Preparatory Education St. George's College , Egypt .
- 1968 to 1971 High School at the English Mission College , Cairo , Egypt .
- 1971 to 1972 Premedical Education at the Faculty of Science, Ain Shams University, Cairo , Egypt .
- 1972 to 1977 Medical Education at the Ain Shams School of Medicine, Abasia, Cairo , Egypt .

MEDICAL QUALIFICATIONS AND EXPERIENCE

- 1977 Graduated from the School of medicine, Ain Shams University, Cairo , Egypt , with a VERY GOOD grade.
- 1978-1979 Internship for 12 months at the University of Ain Shams Hospital.
- 1979-1982 Neurosurgery Resident for three years at Zagazig University at Banha. Thesis completed on "**The value of the CT Scan in the diagnosis of intracranial space- occupying lesions**", in Partial fulfillment of the requirements for the Master degree of Surgery.
- 1981 Passed the Visa Qualifying Examination and currently have an indefinitely valid **ECFMG certificate**.
- 1982 Fellow of Neurosurgery at Massachusetts General Hospital , Harvard University , Boston , Massachusetts . July 1982 - June 1983.
- 1982 Passed the primary Surgical Fellowship Examination held by the Royal College of Surgeons of England and awarded "The Hallett Prize" of excellence, received at the meeting of the Council of The Royal College of Surgeons May 1984 in London , England .
- 1983 Passed the FLEX examination. I currently hold a permanent license to practice in Massachusetts , Kentucky , and Ohio .
- 1983 Appointed PGY-2 General surgical resident at the University of Massachusetts Medical Center from July 1983 till June 1984.
- 1984 Appointed at the University of Cincinnati Medical Center as a "**Clinical Fellow of Neurosurgery**" from July 1984 till June 1985.
- 1985 Appointed PGY-4 resident of Neurosurgery at Duke University Medical Center , Durham , North Carolina .
- 1986 Appointed PGY-5 resident of Neurosurgery at Duke University Medical Center , Durham , North Carolina .
- 1987 Appointed PGY-6 chief resident of Neurosurgery at Duke University Medical Center, Durham , North Carolina .
- 1988 Appointed PGY-7 Supreme resident, Division of Neurosurgery at Duke University Medical Center, Durham , North Carolina .
- 1988 Passed written test of American Board of Neurosurgery.
- 1989 PGY-8 Supreme resident of Neurosurgery.
- 1995 Passed oral test of American Board of Neurological Surgery. Currently Board Certified.

PRESENTATIONS

A.O. El-Naggar, B.S. Nashold, J.O. Levitt, A. Johnson, S. Vogel. Traumatic Syringomyelia: An Experimental Animal Model. American Association of Neurological Surgeons 1989 Annual Meeting, Washington , D.C. April 1-6, 1989 .

A.O. El-Naggar, M. Abdulhak, J.O. Levitt, B.S. Nashold, Jr., New Radiofrequency Lesion Electrodes for use in the Caudalis DREZ operation based on a cervicomedullary Neuroanatomical study. American Association of Neurological Surgeons 1991 Annual Meeting, New Orleans , LA April 20-25, 1991 .

A. O. El-Naggar, B. S. Nashold, Jr. Surgical Technique of the DORSAL ROOT ENTRY ZONE OPERATION - FIRST EUROPEAN DREZ SYMPOSIUM - Pamplona - Spain, Dec., 1997.

A. O. El-Naggar: Nucleus Caudalis DREZ for Treatment of Intractable Headaches - Case Reports and Literature Reviews - First European DREZ SYMPOSIUM - Pamplona , Spain , Dec., 1997.

A. O. El-Naggar: Anatomy of The Nucleus Caudalis and the Trigeminal Nuclei - Meeting of the Italian Neurosurgical Society - Rome , Italy Oct., 1998.

A. O. El-Naggar: Pitfalls of the Nucleus Caudalis DREZ Operation - Meeting of the Italian Neurosurgical Society - Rome , Italy Oct., 1998.

PUBLICATIONS

A. NEUROSURGERY TEXTBOOK CONTRIBUTIONS

S. E. Sandwell, A. O. El-Naggar , G. S. Nettleton, R. D. Acland: "Trigeminal Nucleus Caudalis Anatomy: Guidance for Radiofrequency Dorsal Root Entry Zone Lesioning" - Stereotactic and functional Neurosurgery, 88: 269-276, June 2010.

Amr O. El-Naggar: "Dorsal Root Entry Zone lesioning for Neuropathic pain." - Neurosurgical operative Atlas, Second Edition – Functional Neurosurgery 103-111, Thieme, 2009.

Amr O. El-Naggar : "Nucleus Caudalis Dorsal Root Entry Zone lesioning for intractable facial pain" - Neurosurgical operative Atlas, Second Edition – Functional Neurosurgery 112-117, Thieme, 2009.

P. Konrad, F. Caputi and A. O. El-Naggar: "Radiofrequency Dorsal Root Entry Zone Lesions" – Textbook of stereotactic and Functional Neurosurgery. Second Edition, Springer, 2009.

A. O. El-Naggar, B.S. Nashold, Jr., E. Rossitch, Jr., J.N. Young: Trigeminal Nucleus Caudalis Lesioning for pain relief. Neurosurgery Textbook, Second Edition, Vol. 3; 4047-4053. Mcgraw Hill, 1996.

B.S. Nashold, A. O. El-Naggar. Dorsal Root Entry Zone (DREZ) Lesioning. Neurosurgical Operative Atlas Vol. 2; 9-24, American Association of Neurological Surgeons, Williams and Wilkins, 1992.

B. S. Nashold, Jr., A. H. Friedman, J.H. Sampson, J. R. B. Nashold A. O. El-Naggar. Dorsal Root Entry Zone lesions for Pain. Youman's Neurological Surgery, 4th Edition, Vol. 5; 3452-3462, W.B. Saunders Co. 1996.

B.S. Nashold, Jr., A.O. El-Naggar, J.P. Gorecki. The Microsurgical Trigeminal Caudalis Nucleus DREZ Procedure. American Associates of Neurological surgeons Publication Committee, 1996.

B. JOURNAL PUBLICATIONS

C. E. Rawlings, A.O. El-Naggar, B.S. Nashold, Jr. The DREZ Procedure: An Update on Technique. British Journal of Neurosurgery 3, 633-642, 1989.

B.S. Nashold, Jr., J. Vieira, A. O. EL- Naggar. Pain and Spinal cysts in Paraplegia: Treatment by Drainage And DREZ Operation. British Journal of Neurosurgery 4, 327-336, 1990.

B. S. Nashold, Jr., A. O. El-Naggar, M. M. Abdulhak, J. O. Levitt, E. Cosman : Trigeminal Nucleus Caudalis Dorsal Root Entry Zone: A New Surgical Approach. Stereotactic Functional Neurosurgery 1992; 59: 45-51.

B. S. Nashold, Jr., A. O. El-Naggar, J. O. Levitt, M. Abdulhak: A New Design of Radiofrequency Lesion Electrodes for use in the Caudalis Nucleus DREZ operation. J. Neurosurgery 80: 1116-1120, 1994.

S. E. Sandwell, A. O. El-Naggar : Nucleus caudalis lesioning: Case report of chronic traumatic headache relief. Surg Neurol Int 2011;2:128

S. E. Sandwell, A. O. El-Naggar : Nucleus caudalis dorsal root entry zone lesioning for the treatment of anesthesia dolorosa. J. Neurosurgery 118(3) 534-538, 2013

SPECIAL TRAINING AND AREA OF SPECIALIZATION : NEUROSURGICAL TREATMENT OF INTRACTABLE PAIN

1. Dorsal root entry zone lesioning (DREZ) for treatment of intractable pain secondary to

- (A) Brachial plexus avulsion injuries.
- (B) Phantom pain.
- (C) Intractable pain in paraplegics.

2. Percutaneous cervical cordotomy for unilateral cancer pain. 3. Insertion of epidural dorsal column stimulators and segmental spinal cord stimulators for treatment of intractable pain secondary to

- (A) Lumbar arachnoiditis and epidural scarring - failed back surgery.
- (B) Reflex sympathetic dystrophy.
- (C) Post-herpetic neuralgia (selected cases).
- (D) Multiple sclerosis (selected cases).

4. Insertion of morphine pumps for treatment of intractable pain secondary to

- (A) Cancer pain.
- (B) Failed back surgery pain (selected cases).

5. Facet rhizotomy for treatment of intractable low back pain secondary to facet joint arthropathy.

6. Sacroiliac joint denervation for intractable pain secondary to sacro-iliac joint arthropathy. 7.

Trigeminal Neuralgia operations

- (A) Microvascular decompression of V cranial nerve.
- (B) Percutaneous retrogression rhizotomy using radiofrequency thermocoagulation.

8. Intradiscal Electrothermal Therapy for discogenic back pain.

SPECIAL TRAINING AND AREA OF UNIQUE SPECIALIZATION

Nucleus Caudalis trigeminal nucleus DREZ lesions for treatment of intractable pain using the El- Naggar-Nashold angled nucleus caudalis DREZ electrode* for treatment of intractable pain/headache secondary to

- (A) Postherpetic neuralgia (face).
- (B) Anesthesia Dolorosa.
- (C) Post-rhizotomy dysesthetic pain
(Pain following rhizotomy for trigeminal neuralgia).
- (D) Cancer pain in face and head areas.
- (E) Cluster headaches (selected cases).
- (F) Migraine headaches (selected cases).

* Manufactured by Radionics, Burlington , Massachusetts .

AREAS OF INTEREST

- (A) Cranial: Including tumors, vascular including aneurysms and AVMs.
- (B) Spinal: Including spinal fusion with instrumentation for cervical, thoracic and lumbar pathology.
- (C) Carotid Endarterectomy.
- (D) Functional Neurosurgery including deep brain stimulation.
- (E) Pain study and management.

Updated 01/31/2013