

Joseph Anthony Shehadi, M.D., FRCSC, FACS

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BOARD CERTIFICATIONS

Diplomate of the American Board of Neurological Surgeons July 2017, exp 7/2027
Fellow of the Royal College of Surgeons of Canada (FRCSC) June 2001
Fellow of the American College of Surgeons (FACS) February 2009

TEACHING APPOINTMENTS

Ohio University, Heritage College of Osteopathic Medicine, Athens, OH 45701
Clinical Assistant Professor 2008-2011
Clinical Associate Professor 2011-2014
Clinical Professor 2014-2018 and
Clinical Professor 2018-2021
Teaching Facility: Grant Medical Center

Ohio Dominican University, Columbus, OH 43219,
Clinical Faculty in Physician Assistant Studies Program 2017-2021
Teaching Facilities: Grant Medical Center, Neurosurgery Associates and Memorial

FELLOWSHIP TRAINING

University of Texas: MD Anderson Cancer Center
1515 Holcombe Blvd, Houston, Texas 77030, Division of Neurosurgery, Neuro-
oncology Fellow, July 1, 2001- June 2002

NEUROSURGICAL RESIDENCY

McGill University School of Medicine: Montreal Neurological Institute, McGill
University, 3801 Rue University, Montreal, Quebec, QC H3A 2B4 Canada
Division of Neurosurgery, Resident, July 1, 1997- June 30, 2001

University of Toronto School of Medicine: Toronto Western Hospital
399 Bathurst St, Toronto, Ontario, ON M5T 2S8 Canada, Division of Neurosurgery,
Spinal neurosurgery elective residency with Michael G. Fehlings, M.D., Ph.D.
April-June 2000

Washington University School of Medicine: Barnes Hospital
1 Barnes Jewish Hospital Plaza, St. Louis, Missouri 63110 Department of Neurosurgery, Resident, July 1995 - June 1996

Washington University School of Medicine: Barnes Hospital
1 Barnes Jewish Hospital Plaza, St. Louis, Missouri 63110, USA Department of General surgery, Resident, July 1994 - June 1995

SURGICAL INTERNSHIP

University of Rochester School of Medicine: Strong Memorial Hospital
601 Elmwood Ave, Rochester, NY 14642, Department of General Surgery, Intern, June 1993 - June 1994

MEDICAL SCHOOL

University of Rochester School of Medicine and Dentistry:
Rochester, New York, USA Aug 1989 - May 23, 1993
Doctorate in Medicine with Distinction in Research

RECENT HONORS:

Rated top 3 Neurosurgeon in Columbus for past few years.

See <https://threebestrated.com/neurosurgeons-in-columbus-oh>

Rated in top 5 Neurosurgeon in Columbus by another source.

See <https://kevsbest.com/neurosurgeons-in-columbus/>

HONORS & AWARDS DURING MEDICAL SCHOOL

Honors- Nervous system, Basic sciences

Honors- Surgical Intensive Care rotation at Strong Memorial Hospital

Honors- Neurosurgery Externship @ Brigham Hospital, Harvard Medical School

Rochester Academy of Medicine:

George H Whipple, M.D. Award for Research paper

Roswell Park Cancer Institute:

Medical Student Summer Oncology Fellowship 1991

Epilepsy Foundation of America:

Medical Student Summer Fellowship at Brigham & Women's Hospital
Harvard Medical School 1990

National Institutes of Health (NIH):

Medical School Summer Research Fellowship, awarded but not taken

UNDERGRADUATE EDUCATION

University of Rochester College of Arts and Science:

Rochester, New York USA 1985-1989

Bachelor of Sciences in Neuroscience

Cum Laude, Dean's List all years 1985-1989

Played College football Yellowjackets from 1985-1987

University of Durham, Grey College:

Durham, England 1988-1989

Full year Study abroad program in Biochemistry and Genetics

Instead of senior year at University of Rochester

MEDICAL LICENSES

Medical License Examination:

NBME part I 06/1991, **USMLE step 2** 03/1993 and **NBME part III** in 1994

Current Active Medical Licenses (4 states):

-**Ohio State:** medical license #35081254, expires 1/01/2022

-**Michigan State:** medical license #4301079379, expires 1/31/2022

-**New York State:** medical license: # 203064-1, expires 11/30/2021

-**Texas State:** medical license: # R6479, exp 5/31/2023

Expired Medical Licenses (2 states):

Colorado State: Medical License:# 43706, inactive 6/2007

Missouri State: medical license #MD105865, inactive

Federal DEA Registration: BS7802817, issue 06/2002, expires ____

CERTIFICATES & SPECIAL COURSES

AANS Neurosurgery Billing & Coding Course, 2017

AAOPM Pain Management and Injection Therapy Course, 2017

Regenstem Course on PRP, BMAC and Adipose Miami, FL 2016

Citiprogram.org Research Biomed Course Work 2013 to present

Instructor, AO-ASIF Operating Room Personnel Course, 2005

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University of Toronto Lougheed Microsurgical Course 2000

Midas Rex Operating Drill Course 2000

AO-ASIF Comprehensive spinal instrumentation course 1999

AO-ASIF maxillofacial course 1999

ACLS

PRIVATE PRACTICE WORK EXPERIENCE

Joseph A. Shehadi, M.D., Neurosurgery Associates, L.L.C. Columbus, OH USA

From October 2006 to present. Solo practice.

My current neurosurgical private practice consists of approximately 85% spinal disorders and procedures and 15% intracranial.

www.drshehadi.com

October 1, 2006 to February 8, 2010 Director of Neurosurgical Trauma (Level I) Grant Medical Center

Clinical Professor of Neurosurgery, Ohio University

Member of Surgery Peer Review Committee, Grant Medical Center

January 1, 2010 Elected Chair, Section of Neurosurgery, Grant Medical Center

March 1, 2010 to 2016 Medical Director, Neuro-Oncology, Grant Medical Center

October 2010 Nominee for OhioHealth PRISM Award for Stewardship

Phenicell Regenerative Institute (founded in 2015)

Formerly known as Cedar Stem Cell Institute

Founder & CEO, Joseph A. Shehadi, MD, FRCSC

Headquarters: Columbus, Ohio

www.phenicell.com

Joseph A. Shehadi, M.D., P.C. Denver, Colorado USA

From November 2005 to September 2006

Sky Ridge Medical Center

10099 Ridge Gate Parkway, Suite 490, Lone Tree, CO 80124

Columbus Neurology and Neurosurgery: Columbus, Ohio USA

From May 2003 to October 2005

285 East State Street, Suite 430, Columbus, OH 43215

Clinical Professor of Neurosurgery, Ohio University

Central Ohio Neurological Surgeons: Columbus, Ohio USA

Large Private Practice Neurosurgical group

July 2002-May 2003

RESEARCH EXPERIENCES

Collaboration between Ohio Health Research Institute (OHRI) and Neurosurgery Associates and commercial company called Nutech: Columbus, Ohio

From February 2014 – September 2017

Principal Investigator: Joseph A. Shehadi MD

Co-investigators, Judy Opalek, Ph.D, Timothy Meier, MD

Human Amniotic Tissue-derived Allograft, NuCel, in Posteriolateral Lumbar Fusions for Degenerative Disc Disease

No complications. The study was stopped early only due to poor patient enrollment

Retrospective review on Results of 8 patients with Spinal cord injury treated with combination autologous intrathecal plus intravenous BMAC and Platelet rich plasma. JA Shehadi, M Pershing, P Beery, S. Elzein, et al.

Approved by Grant Medical Center IRB. Neural Regen Res. 2021 Feb;16(2):362-366.

Citiprogram.org Research Biomed Course Work

Basic Course completed August 2013- 2016

Refresher Course completed August 2016 – 2019

University of Rochester School of Medicine: Rochester, New York USA

From March 1996-July1997

Department of Surgery. Preceptor: James Peacock, M.D.

Studied pathologic prognostic factor in colorectal cancer.

Harvard Medical School, Children's Hospital: Boston, Massachusetts USA

For summer 1991

Epilepsy Foundation of America Medical Student Fellow

Department of Neurosurgery

Preceptor: Peter McL. Black, Ph.D., M.D

Investigated tumor induced seizure activity in children with supratentorial gliomas.

Roswell Park Cancer Institute: Buffalo, New York USA

For summer 1990

Roswell Park Medical Student Oncology Fellow

Department of Neurosurgery: Charles West, M.D. and Chung Hong, Ph.D.

Studied efficacy of Ara-C derivatives on the treatment of leukemia in mice.

Department of Anesthesiology: Mark Lema, Ph.D., M.D.

Studied chronic pain management of spinal cord ependymomas.

University of Rochester: Rochester, New York USA

For spring, 1987

Division of Neuroscience, Kathy Nordeen, Ph.D.

Studied neurodevelopmental effects of estrogen on mating call in the Zebra Finch.

PUBLICATIONS

Shehadi JA, Elzein SM, Beery P, Spalding MC, Pershing M (2021) Combined administration of platelet rich plasma and autologous bone marrow aspirate concentrate for spinal cord injury: a descriptive case series. *Neural Regen Res.* 2021 Feb;16(2):362-366.

Shehadi J.A and Elzien S. (2017). Review of commercially available demineralized bone matrix products for spinal fusions: A selection paradigm. *Spine review article Surgical Neurology International.* 2017 Aug 22.

Shehadi J.A. and Seaman B. (2010). Malignant intracranial neoplasms; case 17, single brain metastases. In R. Nader (Ed.) *Neurosurgery case review* (pp. 58-61). New York, NY: Thieme Medical Publishers, Inc.

Shehadi J.A. and Seaman B. (2010). Spinal and peripheral nerve pathology; case 81,

lower cervical fracture dislocation. In R. Nader (Ed.) *Neurosurgery case review* (pp. 283-287). New York, NY: Thieme Medical Publishers, Inc.

Shehadi J.A. and Seaman B. (2010). Spinal and peripheral nerve pathology; case 83, type 2 odontoid fracture. In R. Nader (Ed.) *Neurosurgery case review* (pp. 292-295). New York, NY: Thieme Medical Publishers, Inc.

Seaman B. and **Shehadi J.A.** (2010). Spinal neoplasms; case 95, spinal metastases. In R. Nader (Ed.) *Neurosurgery case review* (pp. 342-346). New York, NY: Thieme Medical Publishers, Inc.

Shehadi JA, Sciubba DM, Suk I, Suki D, Maldaun MV, McCutcheon IE, Nader R, Theriault R, Rhines LD, Gokaslan ZL: Surgical treatment strategies and outcome in patients with breast cancer metastatic to the spine: a review of 87 patients. *Eur Spine J.* 2007 Apr 4.

Sciubba, DM, Gokaslan ZL, Suk I, Suki D, Maldaun MV, McCutcheon IE, Nader R, Theriault R, Rhines LD, **Shehadi JA**: Positive and negative prognostic variables for patients undergoing spine surgery for metastatic breast disease. *Eur Spine J.* 2007. May 8.

Shehadi JA, Farmer JP, Montes JL, Johnston KM, Alorany I, Melanson D, Bertrand G: Intracranial supratentorial dermoid cysts: a review of 13 cases. (Abstract). *Can J Neurol Sci*, 27(suppl 2):S13, May 2000

Shehadi JA, Feindel W: The development of the Penfield dissectors: an untold story. (Abstract). *Can J Neurol Sci*, 27(suppl 2):S68, May 2000

Shehadi JA, Alorainy IA, Johnston KM: Temporal dermoid cyst with a partial dermal sinus tract. *Can J Neurol Sci* 1999 Nov;26(4):321-4

Shady JA*, Black PM, Kupsky W, Tarbell N, Scott RM, Holmes G: Seizures in children with supratentorial astroglial neoplasms. *Pediatric Neurosurgery*, 21(1):23-30, 1994

Shady JA*, Bland LI, Kazee AM, Pilcher W: Frontoethmoidal sinus osteoma with secondary mucocele and brain abscess. Case report. *Neurosurgery*,34(5): 920-3, May,1994

Black PM, **Shady JA***, Kupsky W, Tarbell N, Scott RM, Holmes G: Seizures in children with supratentorial astroglial neoplasms. (abstract) *J.Neurosurgery*, 78: 359, 1993

Lema MJ, **Shady JA***, Zoll J, West CR: Management of intractable back pain from caudal ependymoma with spinal methylprednisolone, bupivacaine, and morphine. *Pain* 48(2): 245-248, 1992

Shehadi JA, Krassioukov AV, Arkia H, Sergeant R, Fehlings MG: Real time continuous intraoperative EMG recording as an adjunct to complex spinal surgery: A prospective study in 291 consecutive patients. (Abstract) presented at CNS meeting, San Antonio, Tx. September 2000.

Belly R, Rosenblatt JD, Steinmann M, Toner J, Sun J, Jani N, **Shehadi JA**, Peacock J, Raubertas R, Ryan C: K-12 Ras mutations in lymph nodes are a prognostic indicator in Duke's B colorectal cancer. Abstract in ASCO vol 19, 2000
And publication in August 2001 issue of Clinical Colorectal Cancer

* **Shady** was our former surname, which was legally corrected in 1994 to the more authentic spelling and pronunciation of our name.

PRESENTATIONS

Neurosurgery Associates Talk on Low Back pain indications in the Lumbar Spine. Brio Tuscan Grille. June 2018

Society for Progress and Innovation for the Near East (S.P.I.N.E.) Oral Presentation. Beirut, Lebanon 2016. A review of Commercially available DBMs. A New Selection Paradigm.

Cedar Stem Cell Institute Talk on Stem Cell indications in the Lumbar Spine. Ocean Club Restaurant. November 2015.

Cedar Stem Cell Institute Talk on Case Presentation and overview of Stem Cell and PRP treatments for Spinal Cord Injury (with live patient present). Hilton Hotel.

Congress of Neurological Surgeons (CNS): September 2000
San Antonio, Texas, USA. Oral-poster presentations

Canadian Congress of Neurological Surgery (CCNS): June 2000
Ottawa, Canada, Oral presentation & Poster presentation

100 Years of Neurosurgery at McGill University: May 2000
McGill University, Montreal, Canada, Oral Presentation

75 Years of Neurosurgery in Canada 1923-1998 A Symposium: October 1998
University of Toronto, Toronto, Canada, Oral Presentation

40th Annual McGill Fellow's Day: May 1998
William Feindel Lecture by John A. Jane, M.D., Ph.D., Oral Presentation

McGill Neurosurgical Conference Day: December 1997
Theodore Rasmussen Lecture by Bryce K.A. Weir, M.D., Oral Presentation

61ST Annual American Association of Neurological Surgeons (AANS): April 1993
Pediatric Neurosurgery Section, Oral presentation.

EXTRACURRICULAR ACTIVITIES

Currently:

Family life, Church, basketball, music and movies with my children.

During Residency and fellowship:

Family life, intramural sports and History of Medicine

During UR Undergraduate:

Varsity Football for 2 years- Offensive fullback, and special teams

Intramural Tennis and racquetball

Fraternity, European Travel

During UR Medical School:

Intramural sports and Music and Admissions Committee

ASSOCIATIONS & PROFESSIONAL SOCIETIES

American College of Surgeons (ACS) 2009

Fellow member since 2009

Diplomate of the American Board of Neurological Surgeons 2017

Royal College of Physicians and Surgeons of Canada (FRCSC):

Resident member since 1999, Currently a Fellow member since 2001

Faculty Member of AO-ASIF Spine Society since 2005

Attending and participated in various meetings

Member of North American Spine Society (NASS) since 2004

American Association of Neurological Surgeons (AANS):

Candidate member since 1997

Congress of Neurological Surgeons (CNS):

Resident member since 1996

American Medical Association (AMA): Since 1994

University of Rochester Alumni Association: since 1993

Catholic Medical Association (CMA) since 2015. Board Member

ACADEMIC REFERENCES

- 1.) **Raymond Sawaya, M.D.**
Professor and Chairman
Division of Neurosurgery
M.D. Anderson Cancer Center- University of Texas
1515 Holcomb Blvd
Houston, TX 77030
Phone: (713) 792-2400 fax: (713) 794-4950
Email: rsawaya@mdanderson.org

- 2.) **Ian McCutcheon, M.D., F.R.C.S.(C.)**
Professor of Neurosurgery
M.D. Anderson Cancer Center- University of Texas
1515 Holcomb Blvd
Houston, TX 77030
Phone: (713) 792-2400 fax: (713) 794-4950
Email: imccutch@mdanderson.org

- 3.) **Andre Olivier, M.D., Ph.D., F.R.C.S (C.)**
William Cone Professor and Chairman
Division of Neurosurgery
McGill University School of Medicine
Montreal Neurological Institute
3801 University Street, #109
Montreal, Quebec H3A-2B4, Canada
Phone: (514) 398-1935 Fax (514) 398-2811
Email: axlb@musica.mcgill.ca

- 4.) **Michael G. Fehlings, M.D., Ph.D.**
Robert O. Lawson Chair in Neural Repair and Regeneration
Research Director, Division of Neurosurgery
Head, Spinal Program
University of Toronto
Toronto Western Hospital
399 Bathurst Street, Suite 2-417
Toronto, Ontario, Canada M5T 2S8
Phone: (416) 603-5627 Fax: (416) 603-5298
Email: Michael.fehlings@uhn.on.ca

CLINICAL PRACTICE REFERENCES

1. Joseph Linscott, DO

Internal Medicine
225 Stocksdale Drive
Marysville, Ohio 43040
Cell: 937.5788777
Email: jlinscott@live.com

2. Paul Beery, MD

Level I Trauma Surgeon
Grant Medical Center
Columbus, Ohio 43215
Cell: 614.202.9106
Paul.beery@ohiohealth.com

3. Remi Nader, MD, FRCSC

Neurosurgeon
6025 Metropolitan Drive, Suite 210
Beaumont, Texas 77706
Phone: (409) 833-2225
Email: reminader@gmail.com

4. Gunwant S. Mallik, MD

Neurosurgeon
Nerves, LLC
450 Alkyre Run Dr # 300, Westerville, OH 43082
Cell: 614 832-7144
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Email: gsmallik@gmail.com