

Licensee Information

Ziad Adel Hage - MD

License #: 2016-00175 **License Status:** Active **Public Action:** No
Issue Date: 02/08/2016 **Renewal Date:** 07/05/2027

Active Supervisees

Name	Type	Status	Approved
Bowman, Jessica Davin	Physician Assistant	Active	07/02/2025
Damis, Yves Laure	Physician Assistant	Active	02/26/2021
Mcdonnell, Margaret	Nurse Practitioner	Active	10/13/2021
Ronzi, Christina Marie	Physician Assistant	Active	02/06/2025

North Carolina Hospital Admitting Privileges

Location
Forsyth Medical Center
Novant Health Presbyterian Medical Center

Out of State Active/Inactive Licenses

State
Illinois
Indiana
Michigan
Missouri
South Carolina

Out of Country Active/Inactive Licenses

Country
None Reported

Address

Novant Health Brain and Spine Surgery
 330 Billingsley Rd
 Suite 202
 Charlotte, NC 28211
[704-316-3070](tel:704-316-3070)
www.ziadhagemd.com

Information

Days patients are seen at this practice:

Practice philosophy:

Non-English languages in which office is able to provide clinical services (e.g. Hindi, Spanish):

Non-English languages in which practitioner is able to provide clinical services (e.g. Hindi, Spanish):

French

Participates in Medicare:

Yes

Accepting new Medicare patients:

Yes

Participates in Medicaid:

Yes

Accepting new Medicaid patients:

Yes

Uses electronic medical records:

Yes

Medical School

School	Graduation
American University of Beirut	2004

Post Graduate Training

"Last Year" does not necessarily mean that the licensee completed his/her training program. (In NC, a physician can be licensed without completing such a program.)

Institution	Specialty	State, Country	Training Program	Last Year
University of Illinois at Chicago Medical Center	Other - Endovascular Neurosurgery	IL, US	Fellowship	2016
University of Illinois at Chicago Medical Center	Other - Cerebrovascular Neurosurgery	IL, US	Fellowship	2016
University of Illinois at Chicago Medical Center	Neurological Surgery	IL, US	Residency	2015
University of Illinois at Chicago Medical Center	Neurological Surgery	IL, US	Internship	2009

Current Board Certification and Year of Certification/Recertification

Physicians should not list non-ABMS or non-AOA specialty boards unless the board meets the criteria set forth in the NC Medical Board's Advertising and Publicity Position Statement.

Primary/Subspecialty	Year
Neurological Surgery	2019

Area of Practice

Area Of Practice	Primary
Neurological Surgery	Yes

Current Membership in Medical Professional Organizations

Membership
AANS/CNS Cerebrovascular Section

American Association of Neurological Surgeons (AANS)

Congress of Neurological Surgeons (CNS)

Society of NeuroInterventional Surgery (SNIS), Senior Member

Honors & Awards

Honor/Award	Given By	Date
Excellence in Teaching Award, UIC COM Mentors Prog	University of Illinois at Chicago, College of Medicine	2015
UIC COM Dean's Award for Resident Authorship	University of Illinois at Chicago, College of Medicine	2015
Excellence in Teaching Award for Outstanding Mento	University of Illinois at Chicago, College of Medicine	2014

Public Service

Name of Clinic	Service Description	Date
CNS International Committee	CNS Leadership Fellow	2015-Present

Current Academic Appointments

Title	Institution	City, State, Country
None Reported		

Publications

Title
Adel JG, Bendok BR, Hage ZA, Naidech AM, Miller JW, Batjer HH. External Carotid Artery Angioplasty and Stenting to Augment Cerebral Perfusion in The Setting of Subacute Symptomatic Ipsilateral Internal Carotid Artery Occlusion: Case report. <i>Journal of Neurosurgery</i> 107(6):1217-1222, 2007
Adel JG, Sherma AK, Carroll TJ, Hage ZA, Miller JW, Walker MT, Batjer HH, Bendok BR: The Use of Quantitative Magnetic Resonance Perfusion for Assessment of CBF in the Perioperative Management of Carotid Stenosis: Case Illustration. <i>The Open Neurosurgery Journal</i> 1:1-5, 2008
Arnone GD, Hage ZA: Journal Club. Factors and outcomes associated with early and delayed aneurysm treatment in subarachnoid hemorrhage patients in the United States. <i>Neurosurgery</i> 72(5):864-7, 2013
Bendok BR, Parkinson RJ, Hage ZA, Adel JG, Gounis M. The Effect of Vascular Reconstruction Device-Assisted Coiling on Packing Density, Effective Neck Coverage, and Angiographic Outcome: An In Vitro Study. <i>Neurosurgery</i> 61(4):835-841, 2007
Bendok BR, Sherma AK, Hage ZA, Das S, Naidech AM, Surdell DL, Adel JG, Shaibani A, Batjer HH, Carroll TJ, Walker M: Periprocedural MRI perfusion imaging to assess and monitor the hemodynamic impact of intracranial angioplasty and stenting for symptomatic atherosclerotic stenosis. <i>J Clin Neurosci</i>
Chwajol M, Hage ZA, Amin-Hanjani S, Charbel FT: Extracranial aneurysms of the distal posterior inferior cerebellar artery: Resection and primary reanastomosis as the preferred management approach. <i>Surg Neurol Int.</i> 2013 Nov 22;4:150
Eddleman CS, Hage ZA, Surdell DL, Levy EI, Samuelson RM, Mikhaeil YA, Bendok BR: Interventional Treatment of Acute Ischemic Stroke: Past, Present, and Future, in Heuser RR, Henry M, (eds): <i>Textbook of Peripheral Vascular Interventions, Second Edition</i> . London: Informa Healthcare, Chapter 34
Gross BA, Bendok BR, Hage ZA, Awad IA, Batjer HH: Advances in open Neurovascular Surgery 2007. <i>Stroke</i> 40(1):324-6, 2009
Gross BA, Hage ZA, Daou M, Getch CC, Batjer HH, Bendok BR. Surgical and Endovascular Treatments for Intracranial Aneurysms. <i>Current Treatment Options in Cardiovascular Medicine</i> 10(3):241-252, 2008
Hage ZA, Alaraj A, Arnone GD, Charbel FT: Novel Imaging Approaches to Cerebrovascular Disease. <i>Translational Research</i> , in press
Hage ZA, Alaraj A, Charbel FT: Neuroimaging in the modern era. <i>Translational Research</i> 2015 Dec 19. pii: S1931-5244(15)00428-4. [Epub ahead of print]

Hage ZA, Amin-Hanjani S, Charbel FT: Cerebral Revascularization: State of the Art. *Neurosurgery Quarterly* 23(1):13-26, 2013

Hage ZA, Amin-Hanjani S, Charbel FT: Cerebral Revascularization: State of the Art: Part I—Flow Augmentation. *Contemporary Neurosurgery* 35(20):1-7, 2013

Hage ZA, Amin-Hanjani S, Charbel FT: Cerebral Revascularization: State of the Art: Part II—Flow Replacement. *Contemporary Neurosurgery* 35(21):1-8, 2013

Hage ZA, Amin-Hanjani S, Charbel FT: Superficial temporal artery to middle cerebral artery bypass grafting, in Macdonald RL (eds): *Neurosurgical Operative Atlas: Vascular Neurosurgery 3E*. New York: Thieme Medical Publishers, Chapter 36, in press

Hage ZA, Amin-Hanjani S, Wen D, Charbel FT: Surgical management of cervical radiculopathy caused by redundant vertebral artery loop. *Journal of Neurosurgery: Spine* 17(4):337-41, 2012

Hage ZA, Amin-Hanjani S: Spontaneous Cerebellar Hemorrhage, in Harbaugh RE, et al (eds): *Neurosurgery Knowledge Update*. New York: Thieme Medical Publishers and the AANS, Chapter 38, pp 235-240, 2015

Hage ZA, Awad IA, Surdell DL, Shaibani A, Hurley MC, Getch CC, Batjer HH, Bendok BR: Pathophysiology of Dural Arteriovenous Malformations, in Prestigiacomo C (eds): *Endovascular Surgical Neuroradiology*. New York: Thieme Medical Publishers, Chapter 28, pp 275-285, 2015

Hage ZA, Behbahani M, Amin-Hanjani S, Charbel FT: Carotid bypass for carotid occlusion. *Current Atherosclerosis Reports* 2015 Jul;17(7):36

Hage ZA, Charbel FT: Clipping of a ruptured anterior communicating artery aneurysm with right A1-A2 sectioning and reanastomosis. *Neurosurgical Focus* 2015 Jul;39 Video Suppl 1:V10

Hage ZA, Charbel FT: Clipping of bilateral MCA aneurysms and a coiled ACOM aneurysm through a modified lateral supraorbital craniotomy. *Neurosurgical Focus* 2015 Jan;38(VideoSuppl1):Video19

Hage ZA, Charbel FT: Intracranial Atherosclerosis: Indications for Surgical Revascularization, in Harbaugh RE, et al (eds): *Neurosurgery Knowledge Update*. New York: Thieme Medical Publishers and the AANS, Chapter 18, pp 110-116, 2015

Hage ZA, Few JW, Arnaout O, Surdell DL, Getch CC, Adel JG, Shaibani A, Batjer HH, Bendok BR. Arteriovenous Malformations of the Scalp: Current Management Options. *Contemporary Neurosurgery* 30(6):1-6, 2008

Hage ZA, Few JW, Surdell DL, Adel JG, Batjer HH, Bendok BR. Modern Endovascular and Aesthetic Surgery Techniques to Treat Arteriovenous Malformations of the Scalp: Case Illustration. *Surgical Neurology* 70(2):198-203, 2008

Hage ZA, Naidech AM, Bendok BR. Diagnosing intracranial infectious aneurysms with a simple model. *Journal of Neurology, Neurosurgery & Psychiatry* 79(8):853, 2008

Jain S, Patel RM, Hage ZA, Lim J, Lee S, Amin-Hanjani S, Setabutr P, Aakalu VK: Cerebrospinal Fluid Leak Presenting as Epiphora. *Ophthal Plast Reconstr Surg*. 2014 Jun 6. [Epub ahead of print]

Mindea SA, Eddleman CS, Hage ZA, Batjer HH, Ondra SL, Bendok BR. Endovascular embolization of a recurrent cervical giant cell neoplasm using N-butyl 2-cyanoacrylate: Case report and literature review. *J Clin Neurosci*. 16(3):452-4, 2009

Orning J, Amin-Hanjani S, Hamade Y, Du X, Hage ZA, Aletich V, Charbel F, Alaraj A: Increased prevalence and rupture status of feeder vessel aneurysms in posterior fossa arteriovenous malformations. *J Neurointerv Surg*. 2015 Oct 7. [Epub ahead of print]

Shi C, Awad IAA, Jafari N, Lin S, Du P, Hage ZA, Shenkar R, Getch CC, Bredel M, Batjer HH, Bendok BR: Genomics of human intracranial aneurysm wall. *Stroke* 40(4):1252-61, 2009

Sugrue PA, Hage ZA, Surdell DL, Foroohar M, Liu J, Bendok BR. Basilar Artery Occlusion Following C1 Lateral Mass Fracture Managed by Mechanical and Pharmacological Thrombolysis. *Neurocritical Care* 11(2):255-60, 2009

Surdell DL, Bernstein RA, Hage ZA, Batjer HH, Bendok BR. Symptomatic Spontaneous Intracranial Carotid Artery Dissection Treated With a Self Expanding Intracranial Nitinol Stent: A Case Report. *Surgical Neurology* 71(5):604-9, 2009

Surdell DL, Hage ZA, Eddleman CS, Das S, Duckworth E, Eskandari MK, Bendok BR: Complications of Internal Carotid Artery Stenting and Their Management, in Heuser RR, Henry M, (eds): *Textbook of Peripheral Vascular Interventions, Second Edition*. London: Informa Healthcare, Chapter 36, pp 336-3

Surdell DL, Hage ZA, Eddleman CS, Gupta DK, Bendok BR, Batjer HH: Revascularization for Complex Intracranial Aneurysms. *Neurosurgical Focus* 24(2):E21, 2008

Thiele RH, Hage ZA, Surdell DL, Ondra SL, Batjer HH, Bendok BR. Spontaneous Spinal Epidural Hematoma of Unknown Etiology: Case Report and Literature Review. *Neurocritical Care* 9(2):242-6, 2008

Xu DS, Abruzzo TA, Albuquerque FC, Dabus G, Eskandari MK, Guterman LR, Hage ZA, Hurley MC, Hanel RA, Levy EI, Nichols CW, Ringer

AJ, Batjer HH, Bendok BR: External carotid artery stenting to treat patients with symptomatic ipsilateral internal carotid artery occlusion: a multicenter case series.

Section 1: Adverse Actions

North Carolina Medical Board Public Actions

Date	Description	Link
None Reported		

Other Regulatory Board or Agency Public Actions

Date	Name of Board/Agency	Action Taken	Link
None Reported			

Health Care Institution Suspensions and Revocations

Date	Health Care Institution	Action Taken
None Reported		

Section 2: Administrative Actions

Actions listed in this section are considered non-disciplinary by the Board. In situations where administrative actions are taken, the licensee may not have met certain statutory requirements or may have failed to follow correct administrative procedures.

North Carolina Medical Board Reentry Agreement

Date	Description	Link
None Reported		

North Carolina Special Purpose Licensing Agreement

Date	Description	Link
None Reported		

Malpractice Information

Incident Date	Payment Date	Area of Practice	City, State, Country	Response
None Reported				

Misdemeanor/DUI/DWI Conviction Information

Conviction Date	Conviction	Jurisdiction	Sentence
None Reported			

Felony Conviction Information

Conviction Date	Conviction	Jurisdiction	Sentence
None Reported			

