

Celso Agner, MD, MS, MSc

Curriculum Vitae

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PERSONAL

Citizenship: U.S.A.

Birthdate: 10/10/1968

Birthplace: Santos, Sao Paulo, Brazil

Marital Status: Married, Yanina Agner

Children: Annabella Tatyana Agner

Email address: celso.agner@gmail.com

EDUCATION

01/1976 till 12/1983

Primary School

Prof Maria Luiza Ferrari Cicero

Sao Bernardo do Campo, Sao Paulo, Brazil

01/1984 till 12/1986

B.S. in Biology

Colegio Bandeirantes

Sao Paulo, Brazil

MEDICAL EDUCATION

01/1987 till June 23, 1993

Faculty of Medicine of the University of São Paulo, Brazil

Doctor of Medicine (M.D.)

POST-GRADUATE EDUCATION

September, 1997 to March, 2000 (thesis defense and graduation in 2000; course work and research taken until 6/1999)

Master of Science

Thesis: Attenuation of Chronic Pain in Rats by Omental Transposition to the Spinal Cord

Majored in Anatomy and Cell Biology

Department of Anatomy and Cell Biology

University of Illinois Chicago

Advisor: Professor David C. Yeomans, PhD (currently Associate Professor of Anesthesia at Stanford Medical School)

April 2007 till November 2008 (4 weeks in Thailand, taken as professional leave while at UIC's Neurosurgery staff)

Master of Science

International Diploma in Neurovascular Diseases

Course taken in Thailand, with joint cooperation between Mahidol University, Bangkok, Thailand and Université Bicêtre, Paris, France

Advisor: Professor Pierre Lasjaunias, M.D., PhD (Former president of the World Federation of Interventional and Therapeutic Neuroradiology, deceased 7/2008)

RESIDENCY TRAINING

January to June, 1995

Neurosurgery – Brazil

Not completed, while entertaining a residency position in the U.S.A.
Hospital Benemerita e Real Sociedade Portuguesa de Beneficencia
Sao Paulo, Brazil

July 1st, 1999 to June 30th, 2000

Internal Medicine Internship

Albany Medical College
Albany, NY

July 1st, 2000 to June 30th, 2003

Neurology Residency

Albany Medical Center
Albany, NY

FELLOWSHIP TRAINING

February, 1996 to August, 1997

Research Fellowship

Department of Neurosurgery
University of Illinois at Chicago
Advisor: Professor Manuel Dujovny, MD

July 1st, 2003 to June 30th, 2004

Neurological Critical Care/ Stroke Fellowship

Department of Neurology
Advisor: Gary L. Bernardini, M.D., Ph.D.
Albany Medical Center
Albany, NY

July 1st, 2004 to June 30, 2006

Neuroendovascular Surgery Fellowship

Department of Neurosurgery
Advisor: Alan S. Boulos, M.D.
Albany Medical Center
Albany, NY

July 2009 till June 2010

Interventional Neurology Visiting Fellowship (12 weeks, 1 week a month)

Medical College of Wisconsin
Advisor: Brian F. Fitzsimmons, M.D.
Milwaukee, WI

RESEARCH

1990

Department of Pathology

Investigation of changes in mucociliary transport upon exposure to environmental toxins in rats

Advisor: Professor Gyorgi Bohm, MD, PhD

University of Sao Paulo, Brazil

March, 1990 to December, 1993

Department of Pathology

Neuropathological Diseases in the State of Sao Paulo -1945 till 1989

Investigation of the demographic, populational, and pathological distribution of diseases in the city of Sao Paulo, Brazil, based upon pathological autopsy data

Advisor: Professor Ana Maria C. Tsanaclis, M.D., PhD

University of São Paulo, Brazil

1990-1991

Department of Physiology

Mechanisms of Seizure Spreading after stereotaxic application of Kainic acid into the cat's cingulum

Advisor: Professor Arthur Cukiert, M.D.

University of São Paulo, Brazil

1990-1994

Department of Neurosurgery

Evaluation of medical and surgical options for management of patients with trigeminal neuralgia, glossopharyngeal neuralgia, Eagle's syndrome, evaluation of peridural analgesic systems, microsurgical anatomical variations of the circle of Willis, and morphometric variations of corpus callosum in autopsy cases at University of Sao Paulo's Hospital

Advisor: Professor Manoel Jacobsen Teixeira, M.D., PhD (currently Chief of Neurosurgery at University of Sao Paulo Hospital)

University of Sao Paulo, Brazil

1990-2015

Department of Neurosurgery

Development of novel craniotomy approaches and variations for anterior skull base surgeries, investigation of proliferative rates of meningiomas and prediction of malignancy, investigation of clinical manifestation of pituitary neoplasm brain metastases, mechanism of traumatic hemispheric edema

Advisor: Professor Paulo Henrique P. de Aguiar, M.D., PhD (currently adjunct Professor of Neurosurgery, University of Sao Paulo's Hospital)

University of Sao Paulo, Brazil

February, 1996 to September, 1997

Research fellow

Investigation on cerebral blood flow changes before and after cranioplasty, development of large cranial prostheses, study of cerebral hemodynamic changes after diverse maneuvers with stable Xenon CT, development of prostheses for large cranial defects in humans utilizing stereolithography and reverse engineering, utilization of transcranial cerebral oximetry in measurement of oxygen saturations in diverse clinical conditions, including arteriovenous malformations, cerebral arterial vasospasm, and before and after endovascular neurosurgical interventions.

Advisor: Professor Manuel Dujovny, M.D.

Department of Neurosurgery

University of Illinois at Chicago

September, 1997 to June, 1999

Thesis: Transposition of the Greater Omentum onto the rat's spinal cord for modulation of chronic pain (defense in 2000)

Department of Anatomy and Cell Biology

Advisor: Prof. David C. Yeomans, PhD (currently Associate Professor of Anesthesia at Stanford University)

University of Illinois at Chicago

2000-2003

Evaluation of prevalence of pediatric stroke associated with child abuse, investigation of manifestation of CNS vasculitis as a differential diagnosis in patients with spinal cord diseases

Advisor: Prof. Samuel Kozser, M.D. (Assistant Professor of Neurology, Albany Medical Center)

Department of Neurology

Albany Medical Center

Albany, NY

2002-2004

Investigation of diverse sedation, nutrition, and ventilation protocols in the Neurological ICU

Advisor: Prof. Gary L. Bernardini, M.D., PhD (Professor of Neurology and Neurosurgery, Albany Medical Center)

Department of Neurology

Albany Medical Center

Albany, NY

2004-2006

Endovascular stroke model in canines

Endovascular infusion of autologous clot into the dog's middle cerebral artery, observation of infarct sizes, and determination of possible neuroprotective mechanisms

Advisor: Prof. Alan S. Boulos, M.D. (currently, chairman of Neurosurgery at Albany Medical Center)

Department of Neurosurgery

Albany Medical Center

Albany, NY

GRANTS

1991

Grant: "Neurological diseases in the state of São Paulo - 1945 to 1989"

Department of Pathology

University of São Paulo, São Paulo - Brazil

2003

Sub-investigator

Phase II Randomized, Pharmacokinetic, Dose Finding, and Dose Frequency Determination Using rt-PA in Intraventricular Hemorrhage

FDA approved grant IND # 8523

MEMBERSHIP IN SOCIETIES

American Academy of Neurology

American Stroke Association

Neurocritical Care Society

Society of Interventional Neurology

Society of Neurointerventional Surgery

Critical Care Society

Florida Medical Association

BOOK REVIEWS

1997- 2012

Doody Publishers

Book reviewer for Neurology and Neurosurgery

285 book reviews published to date

2000-2003

Journal of Neurological Sciences

Book Reviewer

30 Book Reviews published

EDITORIAL BOARDS

2009

Guest Editor

Neurological Research

Cerebral Vasospasm Special Issue

2010 till present

Editorial Board

Neurological Research

PEER REVIEW JOURNAL REVIEWER

1996-present

Peer reviewer

Neurological Research

2006-present

Peer reviewer for Neurology articles (Stroke/endovascular)

Stroke

2006-2009

Peer reviewer for Neurology articles

Surgical Neurology

2000-2003

Peer reviewer

Journal of Neurological Sciences

HONORS AND AWARDS

1990

Monograph prize (1st place)

"Mucociliary transport - clinical implications and research methods"

IX Medical - Academic Congress

University of São Paulo, Brazil

2000

Travel Award - American Neurological Association, Boston, MA

Elected based upon excellence in academic achievement during Neurology residency

2002

Alpha Omega Alpha (Theta chapter)

Awarded as the one of the most productive Neurology resident at Albany Medical College

2015

Care Warrior Broward Health

Awarded to outstanding physicians at Broward Health Medical Center

2016

Most Valuable Physician Broward Health North

Yearly, two doctors are selected throughout the hospital and awarded due to outstanding clinical work

U.S.M.L.E. TESTS

U.S.M.L.E. Step I

September 22, 1993 (79)

U.S.M.L.E. Step II

September 9, 1993 (76) and October 16, 2004 (80 – licensing requirement in IL with 7 year gap rule)

U.S.M.L.E. Step III

May 14, 2002 (82)

LICENSES

New York

NY license 227395

Issued: January 21, 2003

Expiration: 09/30/2011

Illinois

IL license 36116408

Issued: July 7, 2006

Expiration: 07/31/2011

Controlled Substances Number: 336.077621

Washington

Washington Medical Quality Assurance: MD60013021

Issued: June 9, 2009

Expiration: 10/10/2011

Wisconsin

Wisconsin Medical License – 35131-020

Issued: May 2009

Expiration: 10/31/2011

Michigan

Michigan State Medical License – L1900656

Issued: 01/31/2011

Expiration: 01/31/2015

Florida

Department of Health – Division of Medical Quality Assurance: ME 117153

Issued: 8/8/2013

Expiration: 1/31/2022

UPIN, NPI, and Medicaid Numbers

UPIN – H85073

NPI – 1194728964

Medicaid - 02408684

BOARD AND OTHER CERTIFICATION

Diplomate American Board of Neurology and Psychiatry

Issued: June 6, 2004

Expiration: Recertified in 2014 (expiration 2024)

Diplomate Vascular Neurology Board

Issued: July, 2008

Expiration: July, 2028 (recertified in 2018)

Diplomate - International Masters in Interventional Neuroradiology

Universite Bicetre, Paris- France

Mahidol University, Bangkok-Thailand

November 2008

Diplomate – CAST (Committee on Advanced Subspecialty Training) in Neuroendovascular Surgery (NES)

September 2016

VOLUNTEER/COMMUNITY ACTIVITIES

1989 - 1992

League against epilepsy

Assisted on the clinical management and surgical selection of patients with partial or generalized forms of epilepsy

Department of Neurology

Faculty of Medicine

University of São Paulo, São Paulo - Brazil

1990 - 1993

League against headache and craniofacial pain

Assisted on the clinical management and surgical selection of patients with craniofacial pain

President 1992-1993

Department of Neurology

Faculty of Medicine

University of São Paulo, São Paulo - Brazil

1996-1999

International Head-first Program

Assisted on dissemination of information about head injury prevention to major schools in Chicago area

Department of Neurosurgery

University of Illinois at Chicago

2000-2004

Book donation to developing nations program

Donated multiple Neuroscience books to Albany Medical Center library and, jointly, allowed exchange of important material to developing nations, including Latin America, Asia, and Africa

Albany Medical College

Albany, NY

TEACHING EXPERIENCE

Summer 1989

Teaching Assistant in General I.C.U.

Medical students

Hospital das Clínicas

University of São Paulo

São Paulo - Brazil

March to April, 1990

Teaching assistant in Neuroanatomy

2nd year Medical students

Department of Anatomy and Cell Biology

University of São Paulo

São Paulo – Brazil

March to April, 1990

Teaching assistant in General Operative Surgery

3rd year Medical students

Department of Surgery

University of São Paulo

São Paulo - Brazil

Spring 1997

Teaching Assistant in Neuroanatomy

1st year medical students

Department of Anatomy and Cell Biology

University of Illinois at Chicago

Chicago, IL

Fall 1997 and 1998

Teaching Assistant in Gross Anatomy

Physical therapy and biomedical visualization course

Department of Anatomy and Cell Biology

University of Illinois at Chicago

Chicago, IL

- **Clinical Sessions for Albany Medical College Physician Assistant Program (Albany, NY)**
 - Taught multiple Neurology topics while at AMC's Neurology residency program
 - April 4, 2001- **Infections of the brain and Spinal Cord**
 - April 5, 2002 - **Intracranial Masses**
 - March 31, 2003 - **Intracranial Masses**
 - March 21, 2003 - **Disorders of Cerebral Circulation**
 - April 2, 2003 - **Demyelinating disorders**

May 2003

Management of intracranial aneurysms – from observation to minimal invasion

Grand rounds to Neurology and Neurosurgery staff

Albany Medical Center

Albany, NY

September 2003

Management of Intracranial Hypertension

Neurology residents

Albany Medical Center

Albany, NY

January 2004

Current concepts on the management of intracranial hemorrhage

Grand rounds to Neurology and Neurosurgery staff

Albany Medical Center

Albany, NY

May 2005

Albany Experience with Hydrocoils for the Management of Intracranial Aneurysms

Grand Rounds to Neurosurgery staff

Escola Paulista de Medicina

Sao Paulo, SP

Brazil

May 2005

Interventional Management of Stroke

Grand Rounds to Neurosurgery staff

Escola Paulista de Medicina

Sao Paulo, SP

Brazil

July 2006 to August 2008 (Fridays)

Neuroendovascular Grand Rounds

Provena St Joseph's Medical Center – Joliet, IL

March 2008

Grand Rounds: Historical Overview of the Endovascular Management of Intracranial Aneurysms

University of Chicago Hospitals

October 2008

Grand Rounds: Interventional Management of Acute Ischemic Strokes

University of Sao Paulo Medical School – Neurosurgery (Brazil)

May 2009

Grand Rounds: Evidence Based Medical Management of Acute Ischemic Strokes

Advocate Trinity Hospital, Chicago, IL

July 9th, 2010

Grand Rounds: Historical evolution of management of intracranial aneurysms

Lahey Clinic

Boston, MA

July 15th, 2010

Grand Rounds: Historical evolution of management of intracranial aneurysms

Ochsner Clinic

New Orleans, LA

May 2011

Grand Rounds: Interventional Management of Acute Ischemic Stroke

Mount Clemens Regional Medical Center

Mount Clemens, MI

October 2011

Grand Rounds: Interventional Neurology and Stroke

Beaumont Grosse Pointe

Grosse Pointe Park, MI

December 2011

Grand Rounds: Coagulation Cascade and potential reversal

Mount Clemens Regional Medical Center

Mount Clemens, MI

June 2012

Perfusion and Reperfusion Injury: Clinical Presentation, Treatment, Avoidance, and Neurocritical Care Strategies

Beaumont Grosse Pointe

Grosse Pointe Park, MI

July 2014

Current Interventional Strategies in Acute Ischemic Strokes

Broward Health Medical Center Grand Rounds

Fort Lauderdale, FL

June 2015

Interventional Management of Acute Ischemic Stroke Based on Current Evidence

Broward Health Medical Center Grand Rounds

Fort Lauderdale, FL

July 2015

Pediatric Strokes

Pediatric Grand Rounds – Broward Health Medical Center

Fort Lauderdale, FL

July 2016

Neurologic Manifestations of Fat Embolism Syndrome

Trauma Grand Rounds

Broward Health North

Pompano Beach, FL

September 2016

Interventional Neurology: A Bridge Between Neurology, Radiology, and Neurosurgery

Broward Health Medical Center Grand Rounds

Fort Lauderdale, FL

January 2017

Pediatric Strokes: Detection, Prevention, and New Treatment Strategies

Pediatric Grand Rounds – Broward Health Medical Center

Fort Lauderdale, FL

February 2017

Neuroendovascular Management of Head and Neck Trauma

Broward Health Medical Center – Trauma Grand Rounds

Fort Lauderdale, FL

August 2017

Posterior Circulation Strokes

Broward Health Medical Center – ER Grand Rounds

Fort Lauderdale, FL

LANGUAGE SKILLS

Fluent: **Portuguese (native language), English, Spanish, German, French, and Italian**

WORK EXPERIENCE

January to December, 1994

Intermedica Sistemas de Saúde - Brazil

Family Practice/ Urgent Care

Sao Paulo, Brazil

July to December, 1995

Amico Assistencia Medica - Brazil

Family Practice/ Urgent Care

Sao Paulo, Brazil

7/1/2006 to 8/26/2008

Assistant Professor of Neurosurgery

University of Illinois at Chicago (Provena St Joseph's Medical Center)

University of Illinois at Chicago

Chicago, IL

11/1/2008 to 6/30/2009

Neurologist

Associates in Neurology

Advocate Trinity Hospital

Chicago, IL

7/1/2009 till 2/16/2010 (3 weeks a month, in between Visiting Fellowship training in Interventional Neurology)

Neurologist

South Suburban Neurology

Ingalls Memorial Hospital (Harvey, IL), St James Hospitals (Olympia Fields and Chicago Heights, IL campuses)

2/25/2010 till 2/28/2011 (in between visiting fellowship training, after 2/16/2010)

Weatherby Locums

Neurologist

Aspirus Hospital – Wausau, WI (Locum Tenens)

Marshfield Clinic – Minocqua, WI (Locum Tenens)

3/01/2011 till 03/2014

Michigan Neurology Associates

Neurologist/Interventional Neurologist

Mount Clemens Regional Medical Center, Michigan

St John Hospital, Michigan

Henry Ford Macomb Hospital

Beaumont Grosse Pointe Hospital

Oakwood Hospital

04/2014 till present

Broward Health

Neurologist/Interventional Neurologist

Broward Health Medical Center

Broward Health North

Broward Health Imperial Point

Broward Health Coral Springs

ACADEMIC APPOINTMENTS

1991 - 1993

Academic President

League Against Headache and Craniofacial Pain

Hospital das Clínicas of the University of São Paulo, Brazil

July 1st, 2002 to June 30th, 2003

Academic and Administrative Chief Resident

Department of Neurology

Albany Medical Center

Albany, NY

7/1/2006 till 8/26/2008

Assistant Professor of Neurosurgery

Department of Neurosurgery

University of Illinois at Chicago

Chicago, IL

7/1/2012 till 3/7/2014

Oakwood University Osteopathic Medicine
Assistant Professor of Neurology

3/1/2013 till 3/7/2014

Director, Interventional Neurology Fellowship Program

McLaren Macomb Hospital

GAPS IN TRAINING, MISCELLANEOUS INTERVALS NOT EXPLAINED BY WORK HISTORY

06/24/1993 till 12/1993

Preparation for USMLE Steps I and II, TOEFL test, and residency admission examination to University of Sao Paulo's Neurosurgery Residency

8/27/2008 till 10/30/2008

Preparation for International Masters in Interventional Neuroradiology examination in Thailand

Visiting lecturer in Brazil for University of Sao Paulo Medical School

PUBLICATIONS

PEER REVIEW JOURNALS (PUBLISHED)

1. **Agner C**, Souza CRS, Bakhit S - "Mucociliary transport: clinical implications and research methods" (in Portuguese) *Rev Med* 70: 24-27, 1991
2. Teixeira MJ, Yeng LT, Hideko H, Kaziyama S, **Agner C**- "Cervicogenic Headache" (in Portuguese) *Arq Bras Neurocirurg* 12: 273-291, 1993
3. Teixeira MJ, Yeng LT, Oliveira Junior JO, **Agner C**, Casarolli C, Shu EBS - "Eagle's syndrome" (in Portuguese). *Arq Bras Neurocirurg* 13(2): 57-63, 1994
4. Pimenta CAM, Teixeira MJ, Correa CF, **Agner C**, Casarolli C, Shu EBS - "Peridural analgesia systems"(in Portuguese) *Arq Bras Neurocirurg* 13: 15-19, 1994
5. Aguiar PHP, Altieri CE, **Agner C**, Erhart EA, Silva CF, Bitencourt JC, Teixeira MJ - "Morphological variations of the circle of Willis" (in Portuguese) *Arq Bras Neurocirurg* 13(4): 154-158, 1994.
6. Dujovny M, **Agner C**, Misra M, Kherli P - "Transcranial cerebral oximetry - window to the brain" (in Spanish) - *Rev Chil Med* (1996).
7. Dujovny M, **Agner C**, Aviles A, Rao NG, Gaviria M - "Clinical cerebral blood flow evaluation with Xenon/CT" (in Spanish) - *Rev Chil Neuro-Psiquiat.*35: 43-46, 1997.
8. **Agner C**, Misra M, Dujovny M, Kherli P, Alp S, Ausman JI - "Clinical applications of transcranial cerebral oximetry" (in Portuguese) - *Arq Bras Neurocirurg* 16(2): 77-85, 1997.
9. **Agner C**, Dujovny M, Misra M, Alp MS - Balloon occlusion test - *Crit Rev Neurosurg* 7: 333-341, 1997.
10. **Agner C**, McConathy DA, Dujovny M - Evaluation of autogenic, xenogenic, and alloplastic materials used for cranioplasty - *Crit Rev Neurosurg* 7: 365-372, 1997.
11. Dujovny M, Aviles A, **Agner C** - An innovative approach for cranioplasty using hydroxyapatite cement. *Surg Neurol* 43, 1997.
12. Dujovny M., Aviles A, **Agner C**, Fernandez P, Charbel FT: Cranioplasty: Cosmetic or therapeutic? *Surg Neurol* 43: 238-241, 1997.
13. Dujovny M, **Agner C**- The use of high power drills in spinal stenosis - *Neurol Res* 19: 219-221, 1997.
14. **Agner C**, Misra M, Dujovny M - Transcranial cerebral oximetry - *Crit Rev Neurosurg* 7: 45-51, 1997.

15. **Agner, C**, Dujovny, M, Gaviria, M, Taweessin, V - Cerebral hemodynamics and cognitive analysis in large cranial defects. *Psychline* 2: 41-43, 1998.
16. **Agner C**, Dujovny M - Xenon-CT anatomical and quantitative cerebral blood flow - *Crit Rev Neurosurg* 8: 41-49, 1998.
17. Vasquez_loayza M, Dujovny M, **Agner C**, Misra M, Ausman JI - Microsurgical anatomy of the short central artery - *Neurol Res* 20:209-217, 1998.
18. **Agner C**, Dujovny M, Evenhouse R, Charbel FT, Sadler L - Stereolithography for posterior fossa cranioplasty. *Skull Base Surgery* 8(2): 81-86, 1998.
19. Dujovny M, **Agner C**, Aviles, A - Syndrome of the trephined: news and facts -*Crit Rev Neurosurg* 9: 271-278, 1999.
20. Karol EA, **Agner C** - Technological advances in the management of trigeminal neuralgia. *Crit Rev Neurosurg* 9: 70-78, 1999
21. Karol EA, **Agner C**, Sokolovsky M, and Leston J - Trigeminal neuralgia: short communication. *Psychline* 3: 34, 2000
22. **Agner C**, Yeomans, DC, Dujovny, M - The neurochemical bases for the applications of the greater omentum in Neurosurgery. *Neurol Res*, 23: 7-16, 2001.
23. Aguiar PHP, **Agner C**, Freitas AB, Yamaguchi N - Unusual Brain Metastases from Papillary Thyroid Carcinoma: case report. *Neurosurgery* 49: 1008-1013, 2001.
24. Park HK, Dujovny M, **Agner C**, Diaz FG - Biomechanical properties of calvarium prosthesis. *Neurol Res* 23: 267-276, 2001
25. **Agner C**, Dujovny M - Therapeutic applications of the greater omentum in the central nervous system. *Psychline* 3: 33-34, 2001.
26. Aguiar PHP, **Agner C**, Simm R, Freitas AB, Tsanaclis AMC, Plese JPP - p53 protein expression in Meningiomas: a clinicopathological study of 55 patients. *Neurosurg Rev* 25:252-257, 2002.
27. **Agner C**, Dujovny M, Gaviria M - Neurocognitive analysis before and after cranioplasty - case report and review of the literature. *Acta Neurochir* 144:1033-1040, 2002.
28. Perez-Arjona E, Dujovny M, ParkH, Kulyanov D, Glaniuk A, **Agner C**, Michael D, Diaz FG – Stereolithography: neurosurgical and medical implications. *Neurol Res* 25: 227-236, 2003.
29. **Agner C**, Dujovny M, Park H – Delayed minimally invasive cranioplasty. *Min Inv Neurosurg* 46: 186-190, 2003.

30. Tella Jr. OI, **Agner C**, Herculano MA, Prandini MN, Stavile JN – Aggressive management of orbital meningeal melanocytoma: case report and review of the literature. *Acta Neurochirurgica* 145 (12): 1121-1126, 2003.
31. Dujovny M, Ding YH, Ding Y, **Agner C**, Arjona EP – Current concepts on the presence of neurotrophins in the greater omentum. *Neurol Res* 26: 226-229, 2004.
32. **Agner C**, Dujovny M – Neurotrophins and the omentum – a clue to a potential role for management of degenerative diseases of the nervous system. *Psychline*, 2004.
33. **Agner C**, Weig S – Arterial dissection secondary to child abuse - Case report and review of the literature. *Childs Nerv Syst* 21: 416-420, 2005.
34. Deshaies EM, Bagla, S, **Agner C**, Boulos AS – Determination of the Hydrocoil[®] aneurysm filling volumes utilizing 3D-CT Angiography. *Neurosurgical Focus*, March 2005.
35. **Agner C**, Deshaies E, Bernardini GL, Boulos AS – Coronary Angiojet catheterization for the management of dural venous sinus thrombosis – technical note. *J Neurosurg* 103: 368-371, 2005.
36. **Agner C**, Dujovny M, Yeomans DC – Attenuation of pain perception after transposition of the greater omentum to the cauda equina region of rats--a preliminary observation. *Neurol Res*. 2005 Sep;27(6):598-608.
37. Boulos AS, **Agner C**, Deshaies EM – Preliminary Evidence Supporting the Safety of Drug-Eluting Stents in Neurovascular Disease. *Neurol Res (Suppl 1)* 27: 95-102, 2005.
38. Tella Jr OI, Silva LRF, Stavale JN, Herculano MA, Neto MA, and **Agner C** – Aggressive intracranial fibromatosis – Case report and review of the literature. *Arg Neuropsiquiatria* 64:516-519, 2006.
39. Edgel RC, Yavagal DR, **Agner C**, Adamo M, Boulos AS – Revascularization of extracranial internal carotid artery near occlusion with proximal and distal protection – technical case report. *Neurosurgery*, July 61(1), 174, 2007.
40. Piske, RL, Kanashiro LH, Paschoal E, **Agner, C**, Lima, S, Aguiar, PH - Evaluation of Onyx Embolic Agent in the Treatment of 84 Wide-Neck Intracranial Aneurysms. *Neurosurgery* 64: 865-75, 2009.
41. **Agner C** – Editorial for the Special Issue on Cerebral Vasospasm. *Neurol Res*, 31(6): 553-6, 2009.
42. **Agner C**, Dujovny M – Cerebral Arterial Aneurysms – From Coils to polymers. In press *Neurol Res*, 31(6): 632-7, 2009.

43. **Agner C**, Dujovny M – Cerebral Arterial Aneurysms – The Early Period of Neuroendovascular Surgery. *Neurol Res*, 31(6): 560-7, 2009.
44. Friedlich, D, **Agner C**, Boulos AS, Mesfin F, Feustel P, Bernardini GL Popp AJ – Retrospective analysis of parenteral magnesium sulfate administration in decreased incidence of neuroradiologic cerebral vasospasm – a single center experience. *Neurol Res*, 31(6):632-637, 2009.
45. Aguiar, PHP, Simm, R, Freitas, JMM, Silva AN, and **Agner, C** - Emergent Balloon Occlusion of Symptomatic Cavernous Carotid Pseudo-aneurysm Secondary to Trans-sphenoidal surgery – Technical Note and Review of the Literature. *Rev Arg Neurocirurg*, 2009.
46. Dujovny M, **Agner C**, Ibe O, Perlin A – Self-closing aneurysm clip: a historical review. *Neurol Res* 32:1011-20, 2010.

Book Chapters

1. Dujovny M, **Agner C**, Portillo GG, Evenhouse R, Charbel FT, Sadler LL - [Computed cranioplasty] - *Rev Seguro Social Peru*, 1998.
2. Dujovny M, Evenhouse R, **Agner C**, Charbel FT, Sadler LL, McConathy DA - Pre-formed prosthesis from CT data: repair of large cranial defects *In* Rengachary, S (ed) - *Calvarial and Dural Reconstruction* - AANS, Chicago, IL, 1998.
3. Dujovny M, **Agner C**, Charbel FT, Sadler LL, Evenhouse R, McConathy DA - Computer tomography assisted preformed prosthesis for repair of cranial defects. *Neurosurgical Operative Atlas Vol 8-* AANS June,1999.
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