

Tibor Boco, M.D., F.A.A.N.S.

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Work Experience

Elmhurst Memorial Hospital. Elmhurst, IL October 2016 – Current
Director of Neurological Surgery
Neurological Surgery and Spine Surgery, LLC. Westchester, IL April 2014 – Current
Neurological Surgeon
Rush University Medical Center. Chicago, IL April 2014 – Current
Assistant Professor, Department of Neurological Surgery
San Juan Health Partners, Neuroscience. Farmington, NM Fall 2012 – March 2014
Director of Spine Services, Neurosurgery
San Juan Regional Medical Center. Farmington, NM July 2010 – March 2014
Attending Neurological Surgeon

Licenses

Illinois License # 036.120553
Wisconsin #63677-20
New Mexico License # MD2010-0035

Board Certification

American Board of Neurological Surgeons

Postgraduate Training

Rush University Medical Center. Chicago, IL July 2004 – June 2010
Department of Neurological Surgery
Adjunct Attending and Instructor July 2008 – June 2010
Resident Doctor July 2004 – June 2010

Education

The University of Chicago. Chicago, IL September 2000 – June 2004
Pritzker School of Medicine, Doctor of Medicine
The University of Chicago. Chicago, IL September 1996 – June 2000
The College, Bachelor of Arts in Economics (*with honors*)

Languages Spoken

English, Spanish, German, Czech, French

Professional Affiliations

European Association of Neurosurgical Societies (2013)
New Mexico Medical Association (2010)
North American Spine Society (2009)
American College of Surgeons (2007)
Illinois Neurosurgical Society (2007)
Chicago Neurosurgical Society (2006)
Congress of Neurological Surgeons (2005)
American Association of Neurological Surgeons (2005)
AANS/CNS Joint Section on Tumors (2005)

Tibor Boco, MD, F.A.A.N.S.

American Medical Association (2000)

Academic Distinctions

NIH Grant: RL Kirschstein National Research Award 2001

Grant # 5T35GM0814014

A mouse model of acute cerebral vasospasm

Boco T, Macdonald RL

Dean's List 1996 – 2000, The College, University of Chicago

Early Acceptance Program 1998, Pritzker School of Medicine, University of Chicago

Consulting Activity

NuVasive, Inc.

August 2015 – Present

- Consultant
- Instructor
- Preceptor

Lanx, Inc.

February 2013 – February 2014

- Consultant

Teaching Activities

Lecturer in Neurological Surgery

May 2014 – Present

- Assistant Professor of Neurological Surgery
- Rush University Medical Center, Department of Neurosurgery

Lecturer in Clinical Neuroanatomy

February 2005 – June 2010

- Rush University Medical School
- Rush University College of Health Sciences

Microsurgical technique in the laboratory rat

February 2005 – June 2010

Rush University Medical Center, Department of Neurological Surgery

- Founder and assistant-teacher of microsurgical laboratory
- IACUC 05-013, February 2005

Teaching Assistant, The University of Chicago

- Neurobiology and Neuroanatomy, Pritzker School of Medicine
Winter 2002, 2004
- Integrative & Introduction to Biology, Division of Biological Sciences
Spring 1999, Fall 2001

Selected Presentations

Successful spondylolisthesis sagittal plane reduction using a novel MIS device in conjunction with percutaneous pedicle screw fixation

Boco T, O'Toole J

Number 459, Congress of Neurological Surgeons, CNS, Annual Meeting, September 2008

Differentiating MR characteristics of typical and atypical meningiomas

Boco T, Ahmed SS, Rivas F, Byrd S, Byrne R

American Association of Neurological Surgeons, AANS, Annual Meeting, April 2008

Comparison of image-guidance to conventional in vivo application of thoracic and lumbar pedicle screws: a meta-analysis

Boco T, Samartzis D, O'Toole J, Fessler RG

American Association of Neurological Surgeons, AANS Spine Sect, February 2008

Congress of Neurological Surgeons, CNS, September 2007

Clinical outcomes after minimally invasive transforaminal lumbar interbody fusion with unilateral pedicle screw fixation

Musacchio MJ, Cecchini M, Boco T, Deutsch H

Congress of Neurosurgical Surgeons, CNS, September 2007

Multimodal AVM therapy and the role of hybrid training

Boco T, Musacchio MJ, Lopes D

American Association of Neurological Surgeons, AANS, Annual Meeting, April 2007

Management of intracranial stenosis with self-expanding stents

Boco T, Patel N, Lopes D

American Association of Neurological Surgeons, AANS, Annual Meeting, April 2007

Remodeling vascular devices in the treatment of cerebral aneurysms

Lopes D, Boco T, Shannon L

American Association of Neurological Surgeons, AANS, Annual Meeting, April 2007

Tumors of the spinal cord and canal – Problems encountered

Boco T, Byrne RW

Complications of Spine Operations

Chicago Neurological Society, Annual Meeting, 2006

Graft subsidence with use of cortical allograft versus resorbable implant in anterior cervical fusion

Musacchio MJ, Boco T, Sani S, Ratliff J, Deutsch H

North American Spine Society, NASS, Annual Meeting, 2005

Retrospective analysis of wide-necked intracranial aneurysms treated by the neuroform stent and coil technique

Sani S, Boco T, Jobe KW, Jimenez J, Lopes DK

Congress of Neurological Surgeons, CNS, Annual Meeting, 2004

Absence of acute cerebral arterial vasoconstriction after cocaine-associated subarachnoid hemorrhage

Boco T, Macdonald RL

1. American Association of Neurological Surgeons, AANS, Annual Meeting, 2004

2. Stroke, Annual Meeting, 2004

Nif is a major source of auditory and spontaneous drive to HVC

Boco T, Margoliash D

1. Fifty-eighth Annual Senior Scientific Session 2004, The University of Chicago

2. Proceedings of the Society for Neuroscience, Annual Meeting, 2001, 318.2:163

Selected Publications and Book Chapters

Magnetic resonance imaging characteristics of typical and atypical/anaplastic meningiomas

Tan LA, Boco T, Johnson AK, Rivas FF, Ahmed S, Byrd SE, Byrne RW

Br J Neurosurg. 2014 Sept 15:1-5

The history of neurological surgery at rush university medical center

Boco T, Jobe K, O'Leary S, Byrne RW, Whisler W

Neurosurgery. 2010 Oct;67(4):1036-43

Postoperative acute disseminated encephalomyelitis after exposure to microfibrillar collagen hemostat

Sani S, Boco T, Lewis SL, Cochran E, Patel AJ, Byrne RW

Journal of Neurosurgery. 2008; Jul;109(1):149-152

Minimally invasive transpedicular vertebrectomy for metastatic disease to the thoracic spine

Deutsch H, Boco T, Lobel J

Journal of Spinal Disorders and Techniques. 2008; Apr, 21(2):101-105

Papillary tumor of the pineal region

Boco T, Aalaei S, Musacchio MJ, Byrne R, Cochran E

Neuropathology. 2008;28:87-92

Delayed symptomatic presentation of epidural hematoma after epidural catheter anesthesia

Boco T, Deutsch H

Spine. 2007, 32(22):E649-51

Disorders of the cervical spine

Boco T, Ratliff J

Orthopedics Hyperguide, 2006

Cervical stenosis presenting with acute brown-sequard syndrome

Sani S, Boco T, Deutsch H

Spine. 2005, 30:E481-83

Absence of acute cerebral vasoconstriction after cocaine-associated subarachnoid hemorrhage

Boco T, Macdonald RL

Neurocritical Care. 2004, 1(4):449-54

Percutaneous vertebroplasty

Bendok BR, Halpin RJ, Rubin MN, Boco T, Przybylo JH, Liu JC

Contemporary Neurosurgery. 2004, 26(8)