

COLIN SON, M.D.
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(210) 614-2453

MEDICAL PRACTICE

Neurosurgeon; August 2018 – Present
Neurosurgical Associates of San Antonio
San Antonio, TX

EDUCATION

Doctor of Medicine; September 2005 – May 2009
University of Texas Health Science Center
San Antonio, TX

Bachelor of Fine Arts; August 2001 – May 2005
Writing for Screen and Television
University of Southern California
Los Angeles, CA

POSTGRADUATE TRAINING

Fellow, Neuroendovascular Surgery; July 2017 – June 2018
University of Wisconsin
Madison, WI

Resident, Neurological Surgery; July 2010 – June 2017
University of Texas Health Science Center
San Antonio, TX

Intern, General Surgery; July 2009 – June 2010
University of Texas Health Science Center
San Antonio, TX

ACADEMIC APPOINTMENTS

Clinical Instructor, Department of Neurosurgery; July 2017 – June 2018
University of Wisconsin
Madison, WI

CLINICAL APPOINTMENTS

Staff Neurosurgeon, Methodist Hospital; July 2018 – Present
San Antonio, TX

Staff Neurosurgeon, Stone Oak Methodist Hospital; July 2018 – Present
San Antonio, TX

Staff Neurosurgeon, UnityPoint Health – Meriter Hospital; July 2017 – June 2018
Madison, WI

Staff Neurosurgeon, University Hospital; July 2017 – June 2018
Madison, WI

Contract Neurosurgeon, William S. Middleton Memorial Veterans Hospital; July 2017 – June 2018
Madison, WI

LICENSURE & BOARD CERTIFICATION

The American Board of Neurological Surgery ; May 6, 2022 – December 31, 2032
Certificate # 220541167

Wisconsin Department of Safety & Professional Services; May 2017 – Present
License no. 67410-20

Texas Medical Board; February 2012 – Present
License no. P2370

AWARDS & HONORS

Live Interventional Neuroradiology & Neurosurgery Course Grant for Young Practitioners; March 2018
Scholarship to attend annual LINNC US conference

Innovations in Cerebrovascular Science Travel Grant; March 2017
Scholarship to attend annual Innovations in Cerebrovascular Science Conference

Socioeconomic Fellow, Council of State Neurosurgical Societies; July 2015 – June 2016
Fellowship helping train resident neurosurgeons on the study of socioeconomic and policy issues within the framework of organized neurosurgery

Member, Gold Humanism Honor Society; April 2009 – Present
Elected to national honor society dedicated to recognizing those who best represent humanism in medicine

UTHSCSA Department of Neurosurgery Student Award; Spring 2009
Award given to fourth year medical student who best performs on a neurosurgical rotation

UTHSCSA Alumni Association Scholarship; Spring 2006
Merit based scholarship awarded on behalf of school of medicine alumni association

Kappa Sigma Outstanding Scholar Award; Fall 2002

ARTICLES

Page, Paul, David Niemann, **Colin Son** and Yiping Li. "Retained Distal Protection Device During Carotid Artery Stenting Necessitating Carotid Endarterectomy: A Complication and Management Considerations." *Surgical Neurology International* 19 (2018): 123 – 125.

Carr, Kevin, Michelle Rodriguez, Alex Ottesen, Joel Michaelk, **Colin Son**, Vaibhav Patel, David Jimenez and Ali Seifi. "Association Between Relative Anemia and Early Functional Recovery After Severe Traumatic Brain Injury (TBI)." *Neurocritical Care* 25(2): 185 – 192.

Son, Colin, Samon Tavakoli and Viktor Bartanusz. "No Publication Bias in Industry Funded Clinical Trials of Degenerative Diseases of the Thoracolumbar Spine." *Journal of Clinical Neuroscience* 26 (2016): 58-61.

Hawksworth, Shane, Nicholas Andrade, **Colin Son**, Viktor Bartanusz and David Jimenez. "Conservative Policy for Intraoperative Neuromonitoring in Spinal Surgery." *Neurosurgery* 62 Supplement 1 (2015): 190-193.

Son, Colin. "Clair Engle and The Brain Tumor That Almost Derailed the Civil Rights Act." *Neurosurgical Focus* 39.1 (2015): E11.

Son, Colin, Derek Samples, Andrew Brenner and John Floyd. "Osteolytic Calvarial Lesions as Initial Presentation of Latent Neurosyphilis." *Journal of Clinical Neuroscience* 22 (2015): 909-910

Corneille, Michael, Susannah Nicholson, Jacqueline Richa, **Colin Son**, Joel Michalek, Stephen Wolf, and Ronald Stewart. "Liver Dysfunction by Model for End-Stage Liver Disease Score Improves Mortality Prediction in Injured Patients With Cirrhosis." *Journal of Trauma* 71.1 (2011): 6-11.

PRESENTATIONS

Son C. Antiplatelet Therapy in Neuroendovascular Practice [Oral Presentation]. University of Wisconsin Department of Neurosurgery Grand Rounds; May 16, 2018; Madison, WI.

Son C. Ruptured Basilar Artery Aneurysm In Patient With Comorbid Moya-Moya Disease [Oral Presentation]. Innovations in Cerebrovascular Science; March 26, 2017; Jacksonville, FL.

Son C. Vasospasm [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; October 23, 2015; San Antonio, TX.

Son C, Tavakoli S, Bartanusz V. Lack of Evidence for Publication Bias in Industry Sponsored Clinical Trials of Degenerative Diseases of the Thoracolumbar Spine [Oral Presentation]. American Association of Neurological Surgeons Annual Meeting; May 5, 2015; Washington, DC.

Son C. Malignant Middle Cerebral Infarcts [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; January 30, 2015; San Antonio, TX.

Hawksworth S, Andrade N, **Son C**, Bartanusz V, Jimenez D. A Conservative Policy For Intraoperative Neuromonitoring In Spinal Surgery: Costs and Outcomes [Oral Presentation]. Congress of Neurological Surgeons Annual Meeting; October 18, 2014; Boston, MA.

Son C, Bartanusz V. Lack of Evidence for Publication Bias in Industry Sponsored Clinical Trials of Degenerative Diseases of the Spine [Oral Presentation]. European Association of Neurological Surgeons Annual Meeting; October 15, 2014; Prague, Czech Republic.

Son C. Intracranial Monitoring Following Traumatic Brain Injury [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; June 28, 2014; San Antonio, TX.

Son C. Overview of the Patient Protection and Affordable Care Act [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; December 14, 2012; San Antonio, TX.

Son C. Prophylactic Anticoagulation Following Traumatic Intracranial Hemorrhage [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; October 28, 2011; San Antonio, TX.

Son C. Craniopharyngiomas [Oral Presentation]. UTHSCSA Neurological Grand Rounds Resident Presentation; May 13, 2011; San Antonio, TX.

ABSTRACTS & POSTERS

Son C, Yiping L, Niemann D. Treatment of Wideneck Cerebral Aneurysms With “Y” Configurations of a Low Profile Braided Stent: Technical Experience From a Single Center [Abstract]. Society of Neurointerventional Surgery Annual Meeting; July 23 – 26, 2018; San Francisco, CA.

Keyt H, **Son C.** Acute Respiratory Distress Syndrome Following Spontaneous Non-Subarachnoid Intracranial Hemorrhage [Abstract]. CHEST Annual meeting; October 24-28, 2015; Montreal, Canada. Abstract ID #2280533.

Son C, Rahman M. Short Term Outcomes of Ethnic and Racial Minority Children Following Traumatic Brain Injury [Abstract]. Congress of Neurological Surgeons Annual Meeting; September 26 – 30, 2015; New Orleans, LA. Abstract ID #1430.

Son C. Iatrogenic Pneumorrhachis Mimicking Dural Arterovenous Fistula [Abstract]. World Federation of Neurosurgical Societies Interim Meeting; September 8-12, 2015; Rome, Italy.

Son C, Rahman M. Effective Real World Tertiaryization of Traumatic Brain Injuries [Abstract]. World Federation of Neurosurgical Societies Interim Meeting; September 8-12, 2015; Rome, Italy.

Son C, Samples D, Tavakoli S and Rahman M. Short Term Outcomes Amongst Minorities With Acute Subdural Hematomas Originating From Majority-Minority Communities [Abstract]. American Association of Neurological Surgeons Annual Meeting; May 2-6, 2015; Washington, D.C. Abstract ID# 31468.

Son C, Dengler B, Samples D, Tavakoli S and Rahman M. Short Term Outcomes Following Intra-Hospital Transfer of Patients With Acute Subdural Hematomas [Abstract]. American Association of Neurological Surgeons Annual Meeting; May 2-6, 2015; Washington, D.C. Abstract ID# 31466.

Son C, Sayre N, Sprague S, Guber N and Bartanusz V. Acetazolamide Upregulates Aquaporin-4 Expression in Mouse Hippocampi Following Traumatic Brain Injury [Abstract]. Institute of Integrative Medicine Frontiers of Translational Science Research Day; April 22, 2015; San Antonio, TX.

Son C, Rahman M. Short Term Outcomes Of Acute Subdural Hematoma In The Young And Elderly [Abstract]. European Association of Neurological Surgeons Annual Meeting; October 12-17, 2014; Prague, Czech Republic. Abstract ID# 1-1001.

Son C, Floyd J. Calvarial Lesions As Initial Presentation Of Neurosyphilis [Abstract]. European Association of Neurological Surgeons Annual Meeting; October 12-17, 2014; Prague, Czech Republic. Abstract ID# 1-1009.

Son C, Vardiman A. Rare Osseous Sacral Tumor Resulting In Neurological Symptoms [Abstract]. European Association of Neurological Surgeons Annual Meeting; October 12-17, 2014; Prague, Czech Republic. Abstract ID# 1-1013.

RESEARCH & QUALITY IMPROVEMENT EXPERIENCE

Co-Lead, Autologous Cranioplasty Infection Reduction Project; February – June 2016
In setting of Clinical Safety & Effectiveness Course developed and implemented, via staff training and physician buy in, evidence based protocol that reduced infections from autologous cranioplasty by >50% at single center
University of Texas Health Science Center
San Antonio, TX

Research Resident, Lab of Viktor Bartanusz; July 2014 – April 2015
Studied the effect of acetazolamide on aquaporin-4 expression following injury in an in vitro oxygen-glucose deprivation model and in an in vivo closed head injury mouse model
University of Texas Health Science Center
San Antonio, TX

Co-Lead, Conservative Policy for Intraoperative Monitoring in Spinal Surgery Project; September 2013 – October 2014
Helped develop evidence based protocol limiting the use of intraoperative neuromonitoring during routine spinal surgery. Changes based on this quality improvement project lead to yearly savings >\$500,000 without patient safety compromise
University of Texas Health Science Center
San Antonio, TX

BOARDS & COMMITTEES

Alternative Delegate, Reference Committee; June 2016
Council of State Neurosurgical Societies

Physician Panel; 2015 – 2016
Doximity

House of Delegates; 2014 – 2016
Texas Medical Association

Council on Socioeconomics; 2014 - 2015
Texas Medical Association

Board of Directors; 2014 – 2015
TEXPAC

Chair, Resident & Fellow Section; 2013 – 2014
Texas Medical Association

Council on Legislation; 2012 - 2013
Texas Medical Association

Council on Medical Education; 2012 – 2013
Texas Medical Association

Vice President, Housestaff Council; 2012 – 2013
UTHSCSA School of Medicine

Admissions Committee; 2008 – 2009
UTHSCSA School of Medicine

Chair, Region III; 2007 – 2008
American Medical Association – Medical Student Section

Committee on Legislation & Advocacy; 2007 – 2008
American Medical Association – Medical Student Section

Council on Legislation; 2007 – 2008
Texas Medical Association

Co-Chair, Legislative Taskforce; 2007 – 2008
Texas Medical Association – Medical Student Section

Student Advisory Board; 2006 – 2007
AMPAC

COURSES & CERTIFICATES

LINNC Pre-Congress Workshop
March 15, 2018
New York, NY

Fellows Applying Clinical Endovascular Therapies & Strategies
February 8 – 10, 2018
Aliso Viejo, California

Neuroendovascular Surgery Techniques for Fellows Course

September 15 – 17, 2017
Memphis, TN

Innovations in Cerebrovascular Science Bypass Course
March 23, 2017
Jacksonville, FL

Medtronic Prestige-LP Certification
May 6, 2016
San Antonio, TX

Clinical Safety & Effectiveness Course
February 25 – June 3, 2016
San Antonio, TX

Endovascular and Vascular Techniques for Residents
November 6-7, 2015
Memphis, TN

Research Update in Neuroscience for Neurosurgeons
October 26 – November 2, 2013
Woods Hole, MA

Management of the Neurotrauma Patient
November 9-11, 2012
Pittsburgh, PA

Fundamentals of Neurosurgery Boot Camp
July 23-24, 2010
Houston, TX

AMPAC Campaign School
April 18 – 22, 2007
Washington, DC

PROFESSIONAL MEMEBERSHIPS

American Medical Association, Texas Medical Association, Bexar County Medical Association, American Association of Neurological Surgeons, Congress of Neurological Surgeons, Council of State Neurosurgical Societies, Texas Association of Neurological Surgeons, Society of Neurointerventional Surgery, World Federation of Therapeutic & Interventional Neuroradiology, American Heart Association, American College of Surgeons, Gold Humanism Honor Society