

CURRICULUM VITAE

**Todd A. Kuether, M.D.
Kuether Brain and Spine**

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Personal Data:	Born:	November 19, 1967; Denver, Colorado info@tkuethermd.com
Education:	1985-1989	University of Kansas, Lawrence Chemical Engineering/Premed, B.S.
	1989-1993	University of Kansas, Kansas City School of Medicine, M.D.
Postgraduate Training:	1993-1994	Surgical Intern Oregon Health Sciences University Portland, Oregon
	1994-2000	Resident Division of Neurological Surgery Oregon Health Sciences University Portland, Oregon
Fellowships:	1996-1997	Neurointerventional Fellow
	1998-1999	Dotter Interventional Institute Oregon Health Sciences University Portland, Oregon
Faculty Positions:	2015-present	Director Neurotrauma, Legacy Emanuel Hospital
	2015-present	Chair Neurosurgery, Good Samaritan Hospital
	2010-2014	Vice Chair Neurosurgery, Good Samaritan Hospital
	2010-Present	Kuether Brain and Spine, Tualatin Oregon
	2005-2010	Medical Director, Neurointerventional Service, Providence Brain Institute, Portland, Oregon
	2000-2001	Assistant Professor, Dotter Interventional Institute, Oregon Health Sciences University, Portland, Oregon
	2000-2010	Microneurosurgical Consultants, Portland, Oregon

License: OREGON MD18984

Board Certification: Board Re-Certified, American Board of Neurological Surgeons, May 2024

Active/Courtesy Hospital and Surgery Center Privileges:

Legacy Emanuel Medical Center
 Legacy Good Samaritan Hospital
 Legacy Meridian Park Hospital
 Wilshire Surgery Center

Honors:

1982	Eagle Scout, Boy Scouts of America
1985	Kansas Scholar
1985	Century III Leaders Scholarship
1985	Internal Medicine Scholarship, Shawnee County Medical Society
1985,88-89	Engineering Honor Roll University of Kansas School of Engineering, Lawrence
1985-1989	Distinguished Alumnus Scholarship University of Kansas School of Engineering, Lawrence
1988	Tau Beta Pi Engineering Honor Society University of Kansas, Lawrence
1988	Conoco Undergraduate Research Award University of Kansas School of Engineering, Lawrence
1988-1989	Phillips Petroleum Scholarship University of Kansas School of Engineering
1989	Phi Lambda Upsilon - Honorary Chemical Society University of Kansas, Lawrence
1990-1993	Endowment Scholarship University of Kansas School of Medicine, Kansas City

Research

Interests:

1994 -1995 Basic Fibroblastic Growth Factor in Head Trauma Model - basic laboratory immunohistochemistry and animal research performed at Portland VAMC

1996 Cerebral Thrombosis/Thrombolysis - animal model under development for endovascular intracranial thrombolysis

1996 Acoustic Neuroma - swine model developed for study of compressive effects of acoustic neuromas

1998 -1999 Associate Investigator, GDC Embolization Registry, IRB#4422

1999 Coinvestigator, US Embolyx Tumor Trial, IRB #5412

1999 Development of Cerebrovascular/Neurointerventional Web Page

1999 Laboratory Canine Aneurysm Model for Coil Embolization, Dotter Institute

1999 Laboratory Swine Stroke Model for Thrombolytic Therapy, Dotter Institute

Research

- Support:
- 1995 Cerebral Growth Factors And Cytokine Response To Head Injury, Grant Submitted to Med. Research Foundation of Oregon
 - 1996 Electron Microscopic Localization of Basic Fibroblast Growth Factor Following Traumatic Brain Injury, Grant Submitted
 - 2005 A Multi-Center Study to Evaluate MiLIF Versus Open Posterior Unilateral Lumbar Interbody Fusion (TLIF), IRB# 05-04B
Began enrolling: 3/4/05 Endius Corporation
 - 2005 Blackstone Research Center Of Excellence
 - 2006 A Registry to Evaluate Outcomes at One Year Post-Embolization with Micrus Cerecyte Microcoil System. IRB# 06-31B
Micrus Corporation

BIBLIOGRAPHY

Books/Chapters:

1. KUETHER TA, NESBIT GM, BARNWELL SL.. Endovascular Treatment of Dural Arteriovenous Malformations and Fistulas, Neurosurgery, 3rd Edition
2. KUETHER TA, NESBIT GM, BARNWELL SL. Other Endovascular Treatment Strategies for Acute Ischemic Stroke, *Neuroimaging Clinics of North America*, Philadelphia, W.B. Saunders, 1999, Vol 9;3, pp 509-525.
3. HSU F, KUETHER TA, NESBIT GM, BARNWELL SL. Dural Sinus Thrombosis Endovascular Therapy, *Critical Care Clinics of North America – Endovascular Therapy and Neurocritical Care*, Baltimore, Williams and Wilkins, 1999
4. HSU F, KUETHER TA, NESBIT GM, BARNWELL SL. Cerebral Venous Thrombosis: A Guide to Diagnosis and Drug Treatment, Philadelphia, W.B. Saunders, 1999
5. KUETHER TA, BARNWELL SL. Dural Arteriovenous Malformation of the Transverse and Sigmoid Sinuses, *Neurosurgical Operative Atlas*. Lebanon, New Hampshire, American Association of Neurological Surgeons, 1998, Vol 8.
6. KUETHER TA, KELLOGG JX, NESBIT GM, BARNWELL SL. Endovascular Treatment of Dural AVMs, *Vascular Malformations of the Central Nervous System*, Philadelphia, Lippincott-Raven Publishers, 1999, pp 437 – 453.
7. KUETHER TA, NESBIT GM, BARNWELL SL. Clinical Outcome of Patients with Cerebral Aneurysms Treated by GDC. *Perspectives in Neurological Surgery*. New York, Thieme, 1997, Vol 8;2, pp 43-59.

Articles:

1. GOLSHANI KJ, LIMONADI F, DELASHAW JB, HSU FPK, KUETHER TA, Herpes Simplex Virus Encephalitis with delayed diagnosis, surgical evacuation, and good outcome. IN PRINT 2002
2. KUETHER TA, NESBIT GM, BARNWELL SL., Mechanical Thrombolysis of Acute Ischemic Stroke. *Seminars in Cerebrovascular Diseases and Stroke*, 1; 155-166, 2001

3. LUTSEP HL, CLARK WM, NESBIT GM, KUETHER TA, BARNWELL SL, Intra-Arterial Suction Thrombectomy in Acute Stroke, 2001
4. KUETHER TA, NESBIT GM, BARNWELL SL. Clinical and Angiographic Outcome with Treatment Data for Patients with Cerebral Aneurysms Treated with GDC. Abstract Reprint. European Radiology, 1999
5. KUETHER TA, NESBIT GM, BARNWELL SL. Clinical and Angiographic Outcome with Treatment Data for Patients with Cerebral Aneurysms Treated with GDC. Neurosurgery, 43: 1016-1025, 1998.
6. HORGAN MA, KERNAN JC, DELASHAW JB, SCHWARTZ MS, KUETHER TA. Schwannoma of the Torcula Presenting as an Occipital Mass. Case Illustration. J Neurosurg, 89:490, 1998.
7. STEEL TR, KELLOGG JX, KUETHER TA, FAVRE J, FRANK EH. Endoscopic Treatment of Spinal Epidural Hematoma. J Clinical Neuroscience, 5: 460-463, 1998
8. KELLOGG JX, KUETHER TA, HORGAN MH, NESBIT GM, BARNWELL SL. Current Concepts on Carotid Cavernous Fistulas. Neurosurgical Focus, 5: Article 12, www.neurosurgery.org/journals/online, October 1998.
9. KUETHER TA, NESBIT GM, CLARK W, BARNWELL SL. Rotational Vertebral Artery Occlusion: A Mechanism of Vertebrobasilar Insufficiency. ORL Update, Amsterdam, 1998.
10. KUETHER TA, PIATT JH. Chiari Malformation Associated with Vitamin-D Resistant Rickets. Neurosurgery, 42: 1168-1171, 1998.
11. KUETHER TA, NESBIT GM, BARNWELL SL. Endovascular treatment of traumatic dural sinus thrombosis. Neurosurgery, 42: 1163-1167, 1998.
12. KUETHER TA, NESBIT GM, CLARK W, BARNWELL SL. Rotational Vertebral Artery Occlusion: A Mechanism of Vertebrobasilar Insufficiency. Neurosurgery, 41: 427-433, 1997.
13. RABB CH, KUETHER TA. Initial experience with endoscopic carpal tunnel release surgery. Neurosurgical Focus, 3: Article 4, www.neurosurgery.org/journals/online, July 1997.
14. KUETHER TA, NESBIT GM, BARNWELL SL. Embolization as Treatment for Spinal Cord Compression from Renal Cell Carcinoma. Neurosurgery, 39:1260-1263,1996.
15. KUETHER TA, NESBIT GM , O'NEILL OR, BARNWELL SL. Direct Carotid Cavernous Fistula Following Trigeminal Balloon Microcompression Gangliolysis. Neurosurgery, 39: 853-856,1996.
16. HELLER CA, KUETHER TA, WAYSON J, BARNWELL SL. Spontaneous Brachial Plexus Hemorrhage – Case Report. Submitted to Surgical Neurology 4/1999

Presentations/Posters:

1. New Frontiers in the Treatment of Stroke, 28th Annual Critical Care Symposium, Portland, OR, 2001
2. New Frontiers in the Treatment of Stroke, Vascular Surgery Grand Rounds, Oct 2001, OHSU, Portland, OR
3. Angiojet Thrombectomy in Dural Sinus Thrombosis. TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation, AANS, San Francisco, CA, April 2000

4. Neurointerventional use of Reopro for the prevention and treatment of carotid and intracranial thromboembolism. TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, Working Group Interventional Neuroradiology, Val D'Isere, France, January 1999
5. The GDC Learning Curve. TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, Working Group Interventional Neuroradiology, Val D'Isere, France, January 1999
6. Hemiplegic basilar migraine and vertebral stenting. TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, Working Group Interventional Neuroradiology, Val D'Isere, France, January 1999
7. Embolization of AVMs with liquid coils. TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, Working Group Interventional Neuroradiology, Val D'Isere, France, January 1999
8. Guglielmi Detachable Coils for the Treatment of Cerebral Aneurysms: An Update. TA Kuether, Neurological Grand Rounds, Oregon Health Sciences University, November 1998
9. Drill Generated Hearing Loss in Surgeons Performing Skull Base Surgery. TA Kuether, SO McMenemy, JB Delashaw, Oral Presentation, CNS, Seattle, WA, October 1998
10. UPDATE: Clinical Outcome and Treatment Data of Patients with Cerebral Aneurysms Treated with GDC: 1992-1998, TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, CNS, Seattle, WA, October 1998
11. The Effects of Paralytics on Facial Nerve Stimulation in an Animal Model of Acoustic Neuroma. TA Kuether, SO McMenemy, JB Delashaw, Poster Presentation, 9th Annual North American Skull Base Society Meeting, Kamuela, Hawaii, February 1998
12. Drill Generated Hearing Loss in Surgeons Performing Skull Base Surgery. TA Kuether, SO McMenemy, JB Delashaw, Poster Presentation, 9th Annual North American Skull Base Society Meeting, Kamuela, Hawaii, February 1998
13. Intracranial Pressure Monitoring in Fulminant Hepatic Failure in the Evaluation of Liver Transplant Patients. TA Kuether, CH Rabb, Poster Presentation, CNS, New Orleans, LA, September 29, 1997
14. Accuracy of Petrosal and Cavernous Sinus Sampling in the Evaluation of Cushing's Disease. TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation, CNS, New Orleans, LA, September 29, 1997
15. Dural Arteriovenous Fistulas Involving the Superior Petrosal Sinus. TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation, CNS, New Orleans, LA, September 29, 1997
16. Endoscopic Carpal Tunnel Release - Procedure and Outcome Review. TA Kuether, CH Rabb, Poster Presentation, CNS, New Orleans, LA, September 29, 1997
17. Carotid Stenting, TA Kuether, Oral Presentation, NWARNA Regional Conference, Portland, OR, May 17, 1997
18. Clinical Outcome and Treatment Data of Patients with Cerebral Aneurysms Treated with GDC: A Single Center Experience, TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, AANS, Denver, CO, April 19, 1997 Presentations/Posters continued:
19. Clinical Outcome and Treatment Data of Patients with Cerebral Aneurysms Treated with GDC: A Single Center Experience, TA Kuether, GM Nesbit, SL Barnwell, Oral Presentation, SUN, Ann Arbor, MI, May, 1997
20. Trigeminal Neuralgia - Unusual Presentation of A Dural Arteriovenous Fistula. TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation, AANS, Denver, CO, April 19, 1997

21. Endovascular treatment of traumatic dural sinus thrombosis. TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation, AANS, Denver, CO, April 19, 1997
22. Chiari Malformation Associated with Vitamin-D Resistant Rickets. TA Kuether, JH Piatt, Poster Presentation, AANS, Denver, CO, April 19, 1997
23. Clinical Outcome and Treatment Data of Patients with Cerebral Aneurysms Treated with GDC: A Single Center Experience, TA Kuether, Oral Presentation, Joint Section Cerebrovascular Surgery - AANS, Anaheim, CA, February 4-6, 1997
24. Intracranial Thrombolysis in the Prevention of Stroke: Indications, Risks and Results, TA Kuether, Vascular Intervention for the 21st Century: A Preview, Johns Hopkins University School of Medicine, Oral Presentation, Baltimore, Maryland, October 26, 1996
25. Treatment of Cerebral Aneurysms with GDC: A Single Center Experience, TA Kuether, SL Barnwell, Neurological Grand Rounds, Oregon Health Sciences University, November 1996
26. Open Endoscopic Treatment of Lateral Disc Herniations, E Frank, J Kernan, T Kuether. Poster Presentation, 11th North American Spine Society Meeting, Vancouver, B.C., Canada, Oct 1996
27. Endoscopic Assisted Lumbar Stenosis Surgery, E Frank, J Kernan, T Kuether. Poster Presentation, 11th North American Spine Society Meeting, Vancouver, B.C., Canada, Oct 1996
28. Clinical Outcome of Patients with Cerebral Aneurysms Treated by GDC, TA Kuether, GM Nesbit, SL Barnwell, Poster Presentation to 1996 Congress Neurological Surgeons, Quebec, Canada, Oct 1996
29. Odontoid Fractures - Treatment and Diagnosis, Oral Presentation Trauma Conference O.H.S.U., TA Kuether, May 1996
30. Chondroid Chordoma of the Petrous bone, TA Kuether, SO McMenemy, JB Delashaw. Poster presentation, 1996 2nd International Skull Base Congress, San Diego, CA
31. Historical Comparison of Surgical Treatment of Meningioma in the Pre and Post-CT Era, T Nguyen, TA Kuether, J Arguelles, E Neuwelt. Poster presentation, 1996 AANS Annual Meeting, Minneapolis, MN
32. Perioperative Use of Corticosteroids and Bupivacaine in the Management of Lumbar Stenosis, HM Horgan, TA Kuether, Poster presentation, 1996 AANS Annual Meeting, Minneapolis, MN
33. Cortical Basic Fibroblast Factor Expression After Experimental Head Injury, EH Frank, TA Kuether, BT Ragel, DL Chamberland, 1995 Oregon Chapter American College of Surgeons
34. Basic Fibroblast Growth Factor and Interleukin-1a Expression after Experimental Head Injury, EH Frank, TA Kuether, BT Ragel, DL Chamberland Poster presentation at AANS, Orlando, FL, 1995
35. Embolization as Treatment for Spinal Cord Compression from Renal Cell Carcinoma, Oral presentation, American Society Neuroradiology National Meeting, Chicago, IL, April 26, 1995
36. Case Report and Pathology Review of Glioblastoma Multiforme, Oral presentation, Neuroscience Grand Rounds, Barrow Neurological Institute, Phoenix, AZ, July 21, 1992
37. Review of Approaches for Foramen Magnum Neoplasms, Oral presentation, Neuroscience Grand Rounds, Barrow Neurological Institute, Phoenix, AZ, July 14, 1992

38. Elimination of solvents in extractive distillation by the presence of water in the metastable state, Oral presentation Conoco Undergraduate Research Participation Program, University of Kansas School of Engineering, Lawrence, KS, 1989

Society Membership

American Association Neurological Surgery - 1994 to present
Oregon Medical Association
Society of Lateral Access Surgery

Continuing Education/Device Training/Meeting

ATLS Certification 5/2017
 NeuroTrauma CQI meetings MONTHLY 2015
 AANS National Meeting Seattle May 2015
 Paradigm Spine – Coflex Sept 2014
 SI-Bone July 2014
 LDR Mobi-C Sept 2014
 25th Annual Northwest States Trauma Conference May 2014
 SOLAS Research Meeting May 2013
 Medtronic Bryan Disc Sept 2012
 AANS National Meeting Miami April 2012
 XLIF Sept 2011
 Bone Grafting Options Feb 2009
 Nottingham Spine Reconstructive Seminar Nov 2009
 AO spine Adv Concepts Spinal Disorders Feb 2007
 Prodisc symposium ½ Oct/Nov 2006
 NASS Sept 2006
 AOSpine Degenerative Spine Symposium Montreal Jul 2006
 Synthes Non-fusion Technology April 2006
 MTI Onyx Aug 2005
 Depuy Charite May 2005
 Guidant Acculink Mar 2005
 Zimmer Dynesis Implant Feb 2005
 AANS-INR Jul 2004
 AANS Oral Exam May 2004
 Working Group Inteventional Neuroradiology VI D’Isere France Jan 2004
 Boston Scientific Matrix Training July 2003
 AANS National Meeting, April 2003
 Cordis Neurovascular NBCA Training Course, Cincinnati, OH, July 2001
 Target Therapeutics GDC Training Course, Phoenix, AZ, December 2000
 AANS National Meeting, San Francisco CA, April 2000
 Neurothermia Clinical Advisory Board Meeting, San Diego, CA, May 1999
 Perclose – Percutaneous Vascular Surgical Training, Portland, OR, June 1999
 Working Group in Interventional Neuroradiology, Val D’Isere, France, January 1999
 ABC Seminar, Val D’Isere, France, January 1999
 Trends and Controversies in Cerebrovascular Disease, OHSU, Portland, OR, October 1998 Stroke/Intracranial
 Thrombolysis Course, Dotter Institute, Portland, OR, October 1998
 CNS National Meeting, Seattle WA, October 1998
 Society of University Neurosurgeons, Ann Arbor, MI, May 1997
 AANS National Meeting, Denver CO, April 1997
 AANS - Joint Section Cerebrovascular Surgery, Anaheim, CA, February 1997
 2nd International Skull Base Congress, San Diego, CA, July 1996
 Target Therapeutics' Annual Neuro Interventional Fellows Symposium,
 Fremont CA, February 1996
 Endoscopic Carpal Tunnel Release, Portland OR, December 1995
 Intracranial and Spinal Endoscopy, Portland OR, June 1995
 American Society Neuroradiology National Meeting, Chicago, IL, April 1995
 Midas Rex Training Course, Seattle WA, November 1994
 Wood's Hole Neurobiology for Neurosurgeons, Wood's Hole MA, October 1993

