

# Vincent Traynelis

University Neurosurgery 1725 W. Harrison St. Professional Building Suite 855 [Chicago](#), IL 60612

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Vincent C. Traynelis, MD, received his medical degree from West Virginia University School of Medicine in [Morgantown](#), where he also completed an internship in general surgery and a residency in neurosurgery.

He is past president of the Congress of Neurological Surgeons and the Cervical Spine Research Society, and past chairperson of the Joint Section of Disorders of the Spine and Peripheral Nerves. He is the chairman of the editorial board of the Journal of Neurosurgery Spine. Traynelis is a regularly invited speaker at continuing medical education programs and is a frequent guest lecturer in this country as well as abroad. He has published more than 140 papers in peer-reviewed journals, more than 80 chapters, four books and almost 200 editorials. He is past chairman of the editorial board of the Journal of Neurosurgery Spine. Traynelis also serves on the editorial boards of Neurosurgery, Spine, The Spine Journal and the Journal of Spinal Disorders and Operative Techniques. He is a director of the American Board of Neurological Surgery.

## Research Areas

Traynelis' research interests are entirely focused on surgery of the cervical spine and craniocervical junction. His research interests include minimizing dysphagia following anterior cervical spinal surgery, improving the surgical and postsurgical care of patients undergoing complex cervical deformity correction and stabilization, and multiple studies focused on delineating the significance of cervical sagittal balance and refining surgical techniques that can restore balance with minimal risk of morbidity.

## First Author

1: Traynelis VC, Sherman J, Nottmeier E, Singh V, McGilvray K, Puttlitz CM, Leahy PD. Kinetic analysis of anterior cervical discectomy and fusion supplemented with transarticular facet screws. *J Neurosurg Spine*. 2014 May;20(5):485-91. doi: 10.3171/2014.1.SPINE13837. Epub 2014 Feb 21. PubMed PMID: 24559463.

2: Traynelis VC, Greenlee JD. Response. *J Neurosurg Spine*. 2013 Oct;19(4):524-5. PubMed PMID: 24218668.

3: Traynelis VC, Arnold PM, Fourney DR, Bransford RJ, Fischer DJ, Skelly AC. Alternative procedures for the treatment of cervical spondylotic myelopathy: arthroplasty, oblique corpectomy, skip laminectomy: evaluation of comparative effectiveness and safety. *Spine (Phila Pa 1976)*. 2013 Oct 15;38(22 Suppl 1):S210-31. doi: 10.1097/BRS.0000000000000009. Review. PubMed PMID: 24113359.

4: Traynelis VC, Arnold PM, Fourney DR, Bransford RJ, Fischer DJ, Skelly AC. Alternative Procedures for the Treatment of Cervical Spondylotic Myelopathy: Arthroplasty, Oblique Corpectomy, Skip Laminectomy: Evaluation of Comparative Effectiveness and Safety. *Spine (Phila Pa 1976)*. 2013 Sep 10. [Epub ahead of print] PubMed PMID: 24026161.

- 5: Traynelis VC, Leigh BC, Skelly AC. Return to work rates and activity profiles: are there differences between those receiving C-ADR and ACDF? *Evid Based Spine Care J.* 2012 Feb;3(S1):47-52. doi: 10.1055/s-0031-1298608. PubMed PMID: 23236313; PubMed Central PMCID: PMC3519405.
- 6: Traynelis VC, Alahmadi HI. Editorial: C-5 palsy and foraminal stenosis. *J Neurosurg Spine.* 2012 Aug;17(2):101-2; discussion 102. doi: 10.3171/2012.3.SPINE12110. Epub 2012 May 25. PubMed PMID: 22632176.
- 7: Traynelis VC, Alahmadi H. Editorial: Load-sharing score. *J Neurosurg Spine.* 2012 Jun;16(6):532-3. doi: 10.3171/2012.1.SPINE111007. Epub 2012 Apr 6. PubMed PMID: 22482422.
- 8: Traynelis VC. Cervical pedicle screws. *J Neurosurg Spine.* 2012 Mar;16(3):236; discussion 236-7. doi: 10.3171/2011.9.SPINE11703. Epub 2011 Dec 16. PubMed PMID: 22176429.
- 9: Traynelis VC, Abode-Iyamah KO, Leick KM, Bender SM, Greenlee JD. Cervical decompression and reconstruction without intraoperative neurophysiological monitoring. *J Neurosurg Spine.* 2012 Feb;16(2):107-13. doi: 10.3171/2011.10.SPINE11199. Epub 2011 Nov 11. PubMed PMID: 22077472.
- 10: Traynelis VC. Editorial: cervical myelopathy. *J Neurosurg Spine.* 2012 Jan;16(1):1; author reply 1. doi: 10.3171/2011.9.SPINE11659. Epub 2011 Oct 28. PubMed PMID: 22035100.
- 11: Traynelis V. Editorial: traumatic sacral pseudomeningocele. *J Neurosurg Spine.* 2012 Jan;16(1):77; author reply 77. doi: 10.3171/2011.8.SPINE11619. Epub 2011 Sep 23. PubMed PMID: 21943247.
- 12: Traynelis VC, Kasliwal MK. Cervical clearance. *J Neurosurg.* 2011 Sep;115(3):536-9; discussion 539-40. doi: 10.3171/2011.2.JNS102121. Epub 2011 May 27. PubMed PMID: 21619406.
- 13: Traynelis VC. Spine shortening of tethered cord. *J Neurosurg Spine.* 2011 Jul;15(1):19-20; author reply p 20. doi: 10.3171/2010.12.SPINE10725. Epub 2011 Apr 15. PubMed PMID: 21495811.
- 14: Traynelis VC. C-2 neurectomy. *J Neurosurg Spine.* 2011 Jul;15(1):1-2; author reply p 2. doi: 10.3171/2010.12.SPINE10774. Epub 2011 Apr 1. PubMed PMID: 21456889.
- 15: Traynelis VC. Total subaxial reconstruction. *J Neurosurg Spine.* 2010 Oct;13(4):424-34. doi: 10.3171/2010.4.SPINE09923. PubMed PMID: 20887139.
- 16: Traynelis VC, Fontes RB. Anterior fixation of the axis. *Neurosurgery.* 2010 Sep;67(3 Suppl Operative):ons229-36; discussion ons236. doi: 10.1227/01.NEU.0000381666.38707.65. PubMed PMID: 20679925.
- 17: Traynelis VC. Ectopic bone. *J Neurosurg Spine.* 2010 Jan;12(1):39. doi: 10.3171/2009.5.SPINE09338. PubMed PMID: 20043762.
- 18: Traynelis V. Laminoplasty. *J Neurosurg Spine.* 2008 Dec;9(6):528; discussion 528-9. doi: 10.3171/SPI.2008.8.08562. PubMed PMID: 19035743.
- 19: Traynelis VC, Treharne RW. Use of Prestige LP Artificial Cervical Disc in the spine. *Expert Rev Med Devices.* 2007 Jul;4(4):437-40. PubMed PMID: 17605678.
- 20: Traynelis VC. Cervical arthroplasty. *Clin Neurosurg.* 2006;53:203-7. Review. PubMed PMID: 17380753.
- 21: Traynelis VC. The geometry of education: patterns for growth. *Clin Neurosurg.* 2005;52:1-5.

PubMed PMID: 16626048.

22: Traynelis VC. The Prestige cervical disc. *Neurosurg Clin N Am.* 2005 Oct;16(4):621-8, vi. Review. PubMed PMID: 16326285.

23: Traynelis VC. Spinal arthroplasty. *Neurosurg Focus.* 2002 Aug 15;13(2):E10. Review. PubMed PMID: 15916394.

24: Traynelis VC. The Prestige cervical disc replacement. *Spine J.* 2004 Nov-Dec;4(6 Suppl):S310S-314S. Review. PubMed PMID: 15541682.

25: Traynelis VC. Prosthetics and biologics: the wave of the future. *Clin Neurosurg.* 2003;50:207-19. Review. PubMed PMID: 14677439.

26: Traynelis VC. Joint replacement in neurosurgery. *Clin Neurosurg.* 2001;48:82-95. Review. PubMed PMID: 11692658.

27: Traynelis VC, Andrews BT, Awad IA, Batjer HH, Belzberg A, Leibrock L, Couldwell W, Follett K, Friedman A, Loftus CM, Maniker A, Mapstone T, Pollock BE, Schochet SS Jr, Valadka A, Wolfson C. Resident curriculum guidelines for neurosurgery. Congress of Neurological Surgeons Education Committee. *Clin Neurosurg.* 2000;47:589-681. Review. PubMed PMID: 11197727.

28: Traynelis VC. Evidence-based management of type II odontoid fractures. *Clin Neurosurg.* 1997;44:41-9. Review. PubMed PMID: 10079999.

29: Traynelis VC, Ryken TC, Cornelius AS. Cytotoxicity of cis-parinaric acid in cultured malignant gliomas. *Neurosurgery.* 1995 Sep;37(3):484-9. PubMed PMID: 7501114.

30: Traynelis VC, Donaher PA, Roach RM, Kojimoto H, Goel VK. Biomechanical comparison of anterior Caspar plate and three-level posterior fixation techniques in a human cadaveric model. *J Neurosurg.* 1993 Jul;79(1):96-103. PubMed PMID: 8315475.

31: Traynelis VC, Gold M. Cervical spine injury in an air-bag-equipped vehicle. *J Spinal Disord.* 1993 Feb;6(1):60-1. PubMed PMID: 8439719.

32: Traynelis VC, Ryken T, Rodnitzky RL, Menezes AH. Botulinum toxin enhancement of postoperative immobilization in patients with cervical dystonia. Technical note. *J Neurosurg.* 1992 Nov;77(5):808-9. PubMed PMID: 1403128.

33: Traynelis VC, Dunker RO. Interhemispheric approach with callosal resection for distal anterior cerebral artery aneurysms. Technical note. *J Neurosurg.* 1992 Sep;77(3):481-3. PubMed PMID: 1506901.

34: Traynelis VC. Chronic subdural hematoma in the elderly. *Clin Geriatr Med.* 1991 Aug;7(3):583-98. Review. PubMed PMID: 1868412.

35: Traynelis VC, Willison CD, Follett KA, Chambers J, Schochet SS Jr, Kaufman HH. Millipore analysis of valvular fluid in sterile valve malfunctions. *Neurosurgery.* 1991 Jun;28(6):848-52. PubMed PMID: 2067607.

36: Traynelis VC, Hitchon PW, Yuh WT, Kaufman HH. Magnetic resonance imaging and posttraumatic Lhermitte's sign. *J Spinal Disord.* 1990 Dec;3(4):376-9. PubMed PMID: 2134451.

37: Traynelis VC, Powell RG, Koss W, Schochet SS Jr, Kaufman HH. Cerebrospinal fluid eosinophilia and sterile shunt malfunction. *Neurosurgery*. 1988 Nov;23(5):645-9. PubMed PMID: 3200398.

38: Traynelis VC, Marano GD, Dunker RO, Kaufman HH. Traumatic atlanto-occipital dislocation. Case report. *J Neurosurg*. 1986 Dec;65(6):863-70. Erratum in: *J Neurosurg* 1987 May;66(5):789. PubMed PMID: 3772485.

39: Traynelis VC, Kaufman HH. Noninvasive testing for asymptomatic carotid artery disease. *W V Med J*. 1986 Aug;82(8):269-72. PubMed PMID: 3463010.

40: Traynelis VC, Brick JF. Phenylpropanolamine and vasospasm. *Neurology*. 1986 Apr;36(4):593-4. PubMed PMID: 3960341.

41: Traynelis VC, Hrabovsky EE. Acalculous cholecystitis in the neonate. *Am J Dis Child*. 1985 Sep;139(9):893-5. PubMed PMID: 4036922.

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