

Thorkild Vad Norregaard, M.D.

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Current Position(s)

Professor, Department of Neurosurgery
University of Missouri School of Medicine
Columbia, MO

Education

Residency, Neurosurgery, University of Illinois at Chicago, Chicago, IL	1985 – 1988
Residency, General Surgery, Massachusetts General Hospital, Boston, MA	1984 – 1985
Research Fellowship in Neurosurgery, Massachusetts General Hospital, Boston, MA	1982 – 1984
Residency, Neurology, Aarhus Kommunehospital, University of Aarhus, Aarhus, Denmark	1981 – 1982
Residency, Orthopedic Surgery, Aarhus Amtssygehus, University of Aarhus, Aarhus, Denmark	1979 – 1981
Residency, Neurosurgery, Aarhus Kommunehospital, University of Aarhus, Aarhus, Denmark	1977 – 1979
Residency, Internal Medicine, Skive Hospital, Skive, Denmark	1976 – 1977
M.D., Aarhus University, Aarhus, Denmark	1969 – 1976
Student Examination (undergraduate degree), The Langes Gymnasium, Silkeborg, Denmark	1966 – 1969

Academic Appointments

Professor Department of Neurosurgery University of Missouri Columbia MO	2025 -
Associate Professor Department of Neurosurgery University of Missouri Columbia, MO	2021 – 2025
Assistant Professor Department of Surgery University of Missouri Columbia, MO	2009 – 2021
Visiting Scientist Department of Brain and Cognitive Sciences Massachusetts Institute of Technology Cambridge, MA	1989 – 1993
Assistant Professor Department of Surgery Harvard Medical School Boston, Massachusetts	1988 – 2002

Professional Positions and Experience

Interim Chief, Department of Neurosurgery University of Missouri School of Medicine Columbia, MO	2021 – 2022
Active Staff University of Missouri Health System Columbia, MO	2009 – Present
Contract Appointment Harry S Truman Memorial Veterans' Hospital Columbia, MO	2009 – Present
Neurosurgeon Boston Pain Clinic Hyde Park, MA	2008 – 2009
Medical Director Cyberkinetics, Inc. Foxborough, MA	2006 – 2007
Active Staff Caritas St. Elizabeth's Medical Center Brighton, MA	2004 – 2006
Active Staff Beth Israel Deconess Medical Center Boston, MA	1996 – 2005
Courtesy Staff Symmes Hospital Arlington, MA	1993 – 1996
Active Staff New England Baptist Hospital Boston, MA	1990 – 2005
Active Staff Mount Auburn Hospital Cambridge, MA	1990 – 2005
Active Staff Dana Farber Cancer Institute Boston, MA	1989 – 2003
Active Staff Faulkner Hospital Jamaica Plain, MA	1989 – 1990
Active Staff New England Deconess Hospital	1988 – 1996

Boston, MA

Research Associate, Department of Mechanical Engineering, Fibers, and Polymers
Massachusetts Institute of Technology
Cambridge, MA 1983 – 1994

Certification and Licensure

	Years
Diplomate, American Board of Neurological Surgeons	1992 – Present
Missouri Registration	2009 – Present
Illinois Registration	1985 – 1989
Massachusetts Registration	1984 – 2022

Professional Memberships and Activities

	Years
International Neuromodulation Society	2010 – Present
North American Neuromodulation Society	2010 – Present
American Association of Neurological Surgeons	1989 – Present
Active Member	1995 – Present
Candidate Member	1989 – 1999
Active Member, Congress of Neurological Surgeons	1986 – Present
Active Member	1990 – Present
Resident Member	1986 – 1990
International Association for the Study of Pain	1980 – Present

Committee Assignments and Administrative Services

	Years
Interim Chief, Department of Neurosurgery, University of Missouri School of Medicine	2021 – 2022
Program Evaluation Committee, Department of Neurosurgery University of Missouri School of Medicine	2021 – Present
Clinical Competency Committee, Department of Neurosurgery University of Missouri School of Medicine	2021 – Present
Education Committee, Department of Neurosurgery University of Missouri School of Medicine	2021 – Present
Program Evaluation Committee, Division of Neurological Surgery, Department of Surgery, University of Missouri School of Medicine	2009 – 2021
Clinical Competency Committee, Division of Neurological Surgery, Department of Surgery, University of Missouri School of Medicine	2009 – 2021
Education Committee, Division of Neurological Surgery, Department of Surgery, University of Missouri School of Medicine	2009 – 2021

Scientific Advisor, Aleva Neurotherapeutics SA, Lausanne, Switzerland 2007 – 2014

Consultant to Life Science Industry and Investment community 2005 – Present

Clinical / Quality Improvement Activities

Academic practice in neurosurgery. Major focus on functional neurosurgery, vascular neurosurgery, and spine neurosurgery. Approximately 450 cases per year, 50 percent tertiary referrals. Functional neurosurgery focuses on the neurosurgical management of pain, movement disorders, and affective disorders through lesioning and stimulation of central and peripheral neural structures. This program is integrated with the department of neurology as well as the department of anesthesia. Vascular neurosurgery focuses on the treatment of vascular lesions of the brain such as aneurysms and AVMs as well as revascularization of the brain through carotid endarterectomy. Spinal neurosurgery is part of neurosurgical pain management and focuses on direct repair of spinal lesions as well as palliation of spinal pain through minimally invasive surgical procedures including spinal instrumentation.

Educational Activities

M3 Student Clerkship lecture Series, Role, Categorize 2019 – Present
University of Missouri School of Medicine

M4 Student Clerkship Lecture Series, Role, Categorize 2019 – Present
University of Missouri School of Medicine

Neurosurgery Residency Program, Associate Neurosurgeon, Performing Clinical Teaching and Didactic Sessions, University of Missouri School of Medicine 2009-Present

Neurosurgery Residency Program, Clinical Neurosurgeon, Clinical Teaching of Neurosurgical Residents from Tufts University 1996 – 2002

General Surgery Residency Program, Assistant Professor of Surgery Clinical Teaching 1996 – 2002
Beth Israel Deaconess Medical Center

Harvard Review Course in Pain Management, Lecturer, Didactic Sessions 1994 – 1995
Harvard Medical School 1997, 1999
2001

Elective in Neurosurgery, Assistant Professor of Surgery, Clinical Teaching of Medical Students at Harvard Medical School 1988 – 2002
Harvard Medical School, (New England Deaconess Hospital became Beth Israel Deaconess Medical Center in 1996)

General Surgery Residency Program, Assistant Professor of Surgery, Clinical Teaching 1988 – 1996
New England Deaconess Hospital

Publications

Peer Reviewed Publications

1. **Norregaard TV**, Schurizek B, Husegaard HC, Intravenous guanethidine in the treatment of hyperpathic painful conditions of the extremities. *Ugeskrift for Laeger* 1982; 144:3162-3164.
2. Liu-Chen L-Y, Gillespie SA, **Norregaard TV**, Moskowitz MA. Co-localization of retrogradely transported wheat germ agglutinin and the putative neurotransmitter Substance-P within trigeminal ganglion cells projecting to cat middle cerebral artery. *J. Comp. Neurol.* 1984; 225:187-192.
3. McMahon M, **Norregaard TV**, Beyrel BD, Borges LF, Moskowitz MA. Trigeminal afferents to cerebral arteries and forehead are not divergent axon collaterals in cat. *Neuroscience Letters* 1985; 60:63-68.
4. Yannis IV, Orgill DP, Silver J, **Norregaard TV**, Zervas NT, Schoene WC. Polymeric template facilitates regeneration of sciatic nerve across 15MM gap. *Proceedings of ACS Division of Polymeric Materials: Science and Engineering, American Chemical Society* 1985; 53:216-8.
5. Liu-Chen L-Y, **Norregaard TV**, Moskowitz MA. Cholecystokinin-8 immunoreactive fibers in large pial arteries originate from the trigeminal ganglion. *Brain Research* 1985; 359:166-176.
6. **Norregaard TV**, Moskowitz MA. Substance-P and the sensory innervation of intracranial and extracranial feline cephalic arteries. Implications for vascular pain mechanisms in man. *Brain* 1985; 108:517-533.
7. Yannis IV, Orgill DP, Silver J, **Norregaard TV**, Zervas NT, and Schoene WC. Morphometric evidence of peripheral nerve regeneration following grafting with a polymeric template. *Trans. Soc. Biomaterials* 1986; 9:175.
8. Yannis IV, **Norregaard TV**, Silver J, Zervas NT, Kirk JF, Colt JJ. Relations between properties of collagen-glycosaminoglycan graft and morphology of regenerating nerve, Part I. *Trans. Soc. Biomaterials* 1987; 10:207.
9. Chang AS, Yannis IV, Krarup C, Sethi R, **Norregaard TV**, Zervas NT. Polymeric templates for peripheral nerve regeneration. Electrophysiological study of functional recovery. *Proc ACS Div Polymeric Mat: Science and Engineering*, 1988, 59:906-10.
10. Loree HM, Yannis IV, Mikic B, Chang AS, Perutz SM, **Norregaard TV**, Krarup C. A freeze-drying process for fabrication of polymeric bridges for peripheral nerve regeneration. *Proceedings of the Fifteenth Annual Northeast Bioengineering Conference, Boston, MA, March 27-28, 1989.*
11. Yannis IV, Chang A, Loree H, Perutz S, Krarup C, **Norregaard TV**. Regeneration of peripheral nerves in controlled polymeric environments. *Trans Soc Biomat* 1989, 12:119.
12. Chang AS, Yannis IV, Krarup C, Sethi R, **Norregaard TV**, Zervas NT. Polymeric templates for peripheral nerve regeneration. *Mat Res Soc Symp Proc* 1989, 110:3-8.
13. Valtz NL, Hayes TE, **Norregaard TV**, Liu S, McKay RD. An embryonic origin for medulloblastoma. *New Biol* 1991, 3:364-71.
14. Buff BL Jr, Schick RM, **Norregaard T**. Meningeal metastasis of leiomyosarcoma mimicking meningioma: CT and MR findings. *J Comput Assist Tomogr* 1991, 15:166-7.
15. Spilker MH, Yannis IV, Hsu HP, **Norregaard TV**, et al. Effects of collagen-based implants on early healing of the adult rat spinal cord. *Tissue Engineering, Volume 3, Number 3, 1997, 309-317.*

16. Koller W, Pahwa R, Busenbark K, Hubble J, Wilkinson S, Lang A, Tuite P, Sime E, Lazano A, Hauser R, Malapira T, Smith D, Tarsy D, Miyawaki E, **Norregaard TV**, Kormos T, Olanow CW. High-frequency unilateral thalamic stimulation in the treatment of essential and parkinsonian tremors. *Annals of Neurology*, Vol 42, No 3, September, 1997, 292-299.
17. LJ Chamberlain, IV Yannas, A Arrizabalaga, HP Hsu, **TV Norregaard**, M Spector. Early peripheral nerve healing in collagen and silicone tube implants: Myofibroblasts and the cellular response. *Biomaterial* 1998, 19:1393-1403.
18. Spilker MH, Yannas IV, Kostyk SK, **Norregaard TV**, Hsu H-P, Spector M: The effects of tubulation on healing and scar formation after transection of the adult rat spinal cord. *Restor Neurol Neurosci* 2001, 18(1)23-28.
19. Tarsy D, Apetauerova D, Ryan P, **Norregaard TV**. Adverse effects of subthalamic nucleus stimulation in a patient with multiple system atrophy. *Neurology*. 2003 Jul 22;61(2):247-9. PMID: 12874410.
20. Tarsy D, Scollins L, Corapi K, O'Herron S, Apetauerova D, **Norregaard T**. Progression of Parkinson's disease following thalamic deep brain stimulation for tremor. *Stereotactic and Functional Neurosurgery*. 2005;83(5-6):222-7. ePub 2006 Mar 8. PMID: 16534254.
21. Pahwa R, Lyons K, Wilkinson S, Simpson R, Ondo W, Tarsy D, **Norregaard T**, Hubble J, Smith D, Hauser R, Jankovic J. Long-term evaluation of deep brain stimulation of the thalamus. *J Neurosurgery*. 2006 Apr;104(4):506-12. PMID: 16619653.
22. Slavin KV, Vaisman J, Pollack KL, Simopoulos TT, Kowlowitz E, Weinand ME, **Norregaard TV**. Treatment of chronic, intractable pain with a conventional implantable pulse generator: a meta-analysis of four clinical studies. *Clinical Journal of Pain*. 2013 Jan; 29(1):78-85. ePub 2012 Jun 28. PMID: 22751030.
23. Raychaudhuri R, Hackman S, **Norregaard T**, Miller DC: Intracranial Rosai-Dorfman Disease in pregnancy: a case report. *International Journal of Neuropathology*, 2014, 2(1):8-16. DOI: 10.7726/ijn.2014.1002. Retrieved from <http://paper.uscip.us/ijn/IJN.2014.1002.pdf>.
24. Litofsky NS, Farooqui A, Tanaka T, **Norregaard T**: Use of the electronic medical record to track continuity of care in a neurological surgery residency. *Journal of Graduate Medical Education*. 2014 Sept. 6(3):507-511. PMID: 2629776.
25. Makler V, **Norregaard T**: Rhabdomyolysis following minimally-invasive transforaminal lumbar interbody fusion: case report. *Surgical Neurology International* 2018 March 1;9:50. doi 10.4103/sni.sni_481_17. eCollection 2018. PMID: 29576901.
26. Travers SS, **Norregaard TV**. Spinal cord stimulator failure: migration of a thoracic epidural paddle to the cervical spine. *Surg. Neurol. Int.* 2019; 10:118.

Book Chapters

1. Moskowitz MA, Liu-Chen L-Y, **Norregaard TV**, Mayberg MR, Weatherwax RC, Gillespie SA. Substance-P containing trigeminovascular pathway to cerebral arteries in cats. In: Skranbanek P, Powell D, eds. *Substance-P*. Dublin: Boole Press 1983; 217-218.
2. **Norregaard TV**, Moskowitz MA. Basic mechanisms of Migraine Headaches. In: *Modern Management of Headache, Annual Course #103, American Academy of Neurology*, 1984; 21-36.
3. Moskowitz MA, Barley P, **Norregaard TV**. Substance-P levels in the cerebrovasculature from human and four other mammalian species. In: Bevan J, ed. *Vascular Neuroeffector Mechanisms*. Elsevier 1985: 341-48.

4. Yannis IV, Orgill DP, Silver J, **Norregaard TV**, Zervas NT, Schoene WC. Regeneration of sciatic nerve across 15-mm gap by the use of a polymeric template, In: Gebelein CG, ed. *Advances in Biomedical Polymers*, Plenum Publishing Corporation 1987.
5. Chang AS, Yannis IV, Perutz S, Loree H, Sethi RR, Krarup C, **Norregaard TV**, Serves NT, Silver J. Electrophysiological study of recovery of peripheral nerves regenerated by a collagen-glycosaminoglycan copolymer matrix. In: *Progress in Biomedical Polymers*, CG Gebelein ed, Plenum Publishing Corp New York, 1990.
6. **Norregaard, TV**. Neurosurgical treatment and implantable devices. In: *Office Practice of Neurology*. Samuels, MA, Fiske, S ed, Churchill Livingston, 1996.
7. Tarsy D, **Norregaard, T**, Hubble J. Thalamic deep brain stimulation for Parkinson's disease and tremor. In: *Surgical Treatment of Parkinson's Disease*. Tarsy D, Vitek J, Lozano A, eds. Totowa, NJ: Humana Press, 2003, 153-161.
8. **Norregaard, TV**. Neurosurgical treatment and implantable devices. In: *Office Practice of Neurology*. Samuels MA, Fiske S ed, Churchill Livingston, 2003.
9. Tarsy D, **Norregaard, TV**. Thalamic stimulation therapy in Parkinson's disease. In: *Therapy of Parkinson's Disease*. Third Edition Pahwa R, Lyons KE, Koller, WC, eds. New York: Marcel Dekker, 2004, 293-308.

Published Abstracts and Presentations

1. Ortiz Torres M, Siddiqui J, **Norregaard TV**. Spontaneous Regression of Intraparenchymal Cyst Secondary to Deep Brain Stimulation System. North American Neuromodulation Society (NANS) 2020 Annual Meeting. Las Vegas, Nevada, January 22-25, 2020.
2. **Norregaard TV**, Ortiz Torres M. Delayed Presentation of a Subacute Subdural Hematoma Following Bilateral VIM DBS Placement for Essential Tremor. North American Neuromodulation Society (NANS) 2019 Annual Meeting. Las Vegas, Nevada, January 17-20, 2019.
3. Asher I, **Norregaard T**. Severe postoperative edema following DBS. 17th International Congress of Parkinson's Disease and Movement Disorders. Sidney, Australia, June 16-20, 2013.
4. Apetauerova D, Joseph J, **Norregaard T**, Tarsy D. Severe aggravation of tremor after thalamic deep brain stimulation in a patient with tremor-predominant Parkinson's disease. *Movement Disorders* 2005; 20 (Suppl 10): S 156.
5. Tarsy D, Scollins L, Corapi K, Apetauerova D, **Norregaard T**. Progression of Parkinson's disease following thalamic deep brain stimulation for tremor. *Movement Disorders* 2003; 18:1087.
6. Apetauerova D, Ryan P, Mechanic D, **Norregaard T**, Tarsy D: Parkinson's disease remains stable for two years following thalamic deep brain stimulation for tremor. *Movement Disorders* 2001; 16:990-991.
7. **Norregaard T**, Tarsy, D, Ryan, P, Mechanic D: Thalamic deep brain stimulation for Parkinson and essential tremor. *Congress of Neurological Surgeons*, Oct 30-Nov 4, 1999, 328.
8. Tarsy D, Ryan P, Mechanic D, **Norregaard T**. Thalamic deep brain stimulation for Parkinson and essential tremor. *Parkinsonism and Related Disorders* 1999; 5(Supplement): S112.

9. Tarsy C, Ryan P, Mechanic D, **Norregaard T**. Thalamic deep brain stimulation for Parkinsonian and essential tremor – 12-month follow-up. Presented at XIII International Congress on Parkinson's Disease, Vancouver, Canada, July 28, 1999.
10. Tarsy D, Ryan P, Kormos T, **Norregaard TV**. Thalamic deep brain stimulation for Parkinsonian and essential tremor. *Movement Disorders* 1998; 13 (Suppl. 2): 134.
11. Spilker MH, Yannas IV, **Norregaard TV**, Kostyk, SK, Spector, M. Axon Elongation into Collagen-Glycosaminoglycan implants following spinal cord injury. Massachusetts Institute of Technology, Cambridge, MA, December, 1996.
12. **Norregaard TV**, Suojanen JN, Redner T, Woolner D. The role of imaging in percutaneous pain treatment. Presented at the 80th Annual Meeting of the Radiological Society of North America. Chicago, IL, December, 1995.
13. Januario, JJ, Suojanen, JN, **Norregaard, TV**. Atypical MR imaging characteristics of spinal column disease. American Roentgen Ray Society. Washington, DC, April 30 - May 5, 1995.
14. **Norregaard, TV**. Nucleus caudalis radiofrequency nucleotomy - outcome and complications. European Society for Stereotactic and Functional Neurosurgery. September 1994.
15. **Norregaard, TV**, Sweet Wh. Intractable chronic migrainous neuralgia relieved by bulbar tractotomy. The 7th World Congress on Pain, Paris, 1993.
16. **Norregaard TV**, Rand F. Direct spinal tumor surgery and instrumentation in the treatment of metastatic spinal cord compression. New England Neurosurgical Society, February 12, 1993.
17. **Norregaard TV**, Crowell RM. Vertebro-basilar dolicoectasia: clinical aspects and treatment. 9th International Congress of Neurological Surgery, October 13-18, 1989, p 406.
18. Yannas IV, Chang AS, Krarup C, **Norregaard TV**, Zervas NT. Environmental preference of matrix pore orientation, pore diameter and degradation rate. *J Cell Biol Abs* 1989, 107:732a.
19. Yannas IV, Chang AS, Perutz S, Krarup C, **Norregaard TV**, Zervas NT. Requirement for a 1- m pore channel opening during peripheral nerve regeneration through a biodegradable chemical analog of ECM. *Soc Neurosci Abs* 1989, 15:1257.
20. Yannas IV, Chang AS, Krarup C, Sethi R, **Norregaard TV**, Zervas NT. Conduction properties of peripheral nerves regenerated by use of copolymer matrices with different biodegradation rates. *Soc Neurosci Abs* 1988, 165.
21. Yannas IV, Krarup C, Chang A, **Norregaard TV**, Zervas NT, Sethi R. Conduction properties of nerve fibers regenerated across gap bridged by biodegradable polymer matrix. *Soc Neurosci Abs* 1987, 13:1043.
22. Yannas IV, Orgill DP, Silver J, **Norregaard TV**, Zervas NT, Schoene WC. Polymeric template facilitates regeneration of sciatic nerve across 15-mm gap. *Transactions of the Society of Biomaterials* 1985, 8:146.
23. Moskowitz MA, **Norregaard TV**, Liu-Chen L-Y, Weatherwax RC, Michner S, Go VLW. VIP, CCK and Met-Enkephalin in piaarachnoid and cerebral arteries after unilateral lesions of cat trigeminal ganglia. Society for Neuroscience, 1983.
24. **Norregaard TV**, Weatherwax RC, Moskowitz MA. The effect of lesioning the trigeminal, superior cervical sympathetic, C2 and C3 ganglia on Substance-P in cat cerebral arteries. Society for Neuroscience 1983.

25. **Norregaard TV**, Weatherwax RC, Moskowitz MA. Substance-P containing trigeminal nerves innervate cat anterior, middle and posterior cerebral but not vertebral or anterior inferior cerebellar arteries. American Pain Society, November 1983.

Oral Presentations

	Date
Norregaard TV , Ortiz Torres M, Asher I. Delayed presentation of a subacute subdural hematoma following bilateral VIM DBS placement for essential tremor. North American Neuromodulation Society (NANS) Annual Meeting. Las Vegas, NV.	Jan 2019
Spurgeon A, Schorp J, Lindbloom D, Sobol N, Norregaard T , Druce R, Roberson D, Pevsner P. Murine pulsed electric field generator. Bioelectrics 2014: 11 th International Bioelectrics Symposium. Columbia, MO.	Oct 2014
Asher I, Norregaard T . Severe postoperative edema following DBS. 17 th International Congress of Parkinson's Disease and Movement Disorders. Sidney, Australia.	Jun 2013
Norregaard TV . Invited Speaker. Surgical treatment of Parkinson's disease. Fifth Parkinson's Disease Patient and Caregiver Symposium. Columbia, MO.	Dec 2000
Norregaard TV . Invited Lecturer. Implantable devices. Congress of Neurological Surgeons Annual Meeting. Boston, MA	Oct/Nov 1999
Norregaard TV . Invited Attendee. Consensus Meeting on Treatment Guidelines for Neurosurgical Management of Pain. Sponsored by the America Pain Society. Orlando, FL	1998
Norregaard, TV . Invited Lecturer. Spinal cord injuries: Functional recovery and issues surrounding possible regeneration. Turkish Neruosurgical Society, Izmir, Turkey.	1996

Grand Rounds Presentations

	Date
Norregaard TV . Traumatic brain injury in sports. University of Missouri School of Medicine. Columbia, MO.	2024
Norregaard TV . Deep brain stimulation in obsessive compulsive disorders. Psychiatry, University of Missouri School of Medicine. Columbia, MO.	2020
Norregaard TV . Update on deep brain stimulation (DBS). Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2019
Norregaard TV . Concussion in sports. Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2014
Norregaard TV . Stroke cerebrovascular case studies. Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2013
Norregaard TV . Head injuries in sports. Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2012
Norregaard, TV . Management of low back pain. Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2011
Norregaard TV . Surgical aspects of deep brain stimulation. Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2010

Norregaard TV. Deep brain stimulation: From where to where? Neurosurgery and Neurology, University of Missouri School of Medicine. Columbia, MO.	2009
Norregaard TV. Spinal cord stimulation for failed back syndrome and RSD. New England Baptist Hospital. Boston, MA.	2000
Norregaard TV. Deep brain stimulation. Brigham & Women's Hospital. Boston, MA.	1999
Norregaard TV. Metastatic lesions of the spine. Medical Grand Rounds, New England Deaconess Hospital. Boston, MA.	1994
Norregaard TV. Neurovascular surgery. Surgical Grand Rounds, New England Deaconess Hospital. Boston, MA.	1989
Norregaard TV. Cerebral aneurysms. Medical Grand Rounds, New England Deaconess Hospital. Boston, MA.	1988

Poster Presentations

	Date
Schorp J, spurgeon A, Lindbloom D, Sobol N, Norregaard T , Druce R, Robertson D, Pevsner P. Biodistribution of lutetium 177 nanoconjugates. Bioelectrics International Symposium Annual Meeting. Columbia, MO.	Oct 2014

Other Scholarly Products

Developed a NOCSAE (National Operating Committee on Standards for Athletic Equipment) standard for testing polo helmets in collaboration with team of researchers at Virginia Tech headed by Stefan Duma, PhD. and Steve Rowson, PhD. I facilitated the production of NOCSAE compliant helmets with several helmet manufacturers. After said helmets were brought to market, I convinced the United States Polo Assc. to implement a nationwide mandate that polo players wear NOCSAE approved polo helmets.

Patents and Technology Transfer

<i>Prosthesis for promotion of never regeneration</i> <i>Patent number 4955893</i>	1990
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Professional Community Activities

<i>Safety Director of the United States Polo Association</i>	2010 - Present
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