

DR. STEPHEN SARIS

Education:

1966-1972	Roxbury Latin School Boston, Massachusetts
1972-1974	Boston University, Boston, MA Six Year Program, Liberal Arts and Medicine B.S. Degree; Magna Cum Laude
1974-1975	Edinburgh University, Faculty of Arts Edinburgh, Scotland
1975-1979	Boston University School of Medicine Boston, MA M.D. Degree
1978	Edinburgh University, Faculty of Medicine Edinburgh, Scotland

Postdoctoral Training:

1979-1980	Surgical Intern, Beth Israel Hospital Harvard Medical School Boston, Massachusetts
1980-1981	Fellow in Neurosurgery, Massachusetts General Hospital Harvard Medical School Boston, Massachusetts
1981-1985	Resident in Neurosurgery, Duke Hospital Duke Medical School Durham, North Carolina

Licensure and Certification:

1989-present	Massachusetts	license number:
1993-present	71248 Rhode Island	license number: 8444

Hospital Appointments:

1985-1989	Senior Staff Fellow Clinical Neurosurgery Section National Institute of Neurological Disorders and Stroke National
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	Bethesda, Maryland
1986-1989	Staff Neurosurgeon Bethesda Naval Hospital, Naval Medical Center National Capital Region Bethesda, Maryland
1989-1992 Active	New England Medical Center Department of Neurosurgery 750 Washington St. Boston, MA 02111
1992-1993	New England Medical Center Department of Neurosurgery 750 Washington St. Boston, MA 02111
1993-Present Active	Rhode Island Hospital Department of Neurosurgery 593 Eddy Street Providence, RI 02903
1993-present Courtesy Staff	Newport Hospital Department of Surgery/Division of Neurosurgery 11 Friendship Street, Newport, RI 02840 Orest Zaklynsky, M.D., Department Chief
1994-present Consulting Staff	Women & Infants' Hospital Department of Surgery/Division of Neurosurgery 101 Dudley Street, Providence, RI 02905 Blake Cady, M.D., Department Chief
1996-present Consulting Staff	Westerly Hospital Department of Surgery/Division on Neurosurgery 25 Wells Street, Westerly, RI 02891 John T. Auth, M.D., Department Chief
1996-present Consulting Staff	Sturdy Memorial Hospital Department of Surgery/Division of Neurosurgery 211 Park Street, P.O. Box 2963 Attleboro, MA 02703 Bruce S. Auerbach, M.D., Department Chief
1997-present Associate Active	St. Joseph Hospital, Fatima Unit Department of Surgery/Division of Neurosurgery 200 High Service Avenue North Providence, RI 02904 Allan A. DiSimone, M.D., Department Chief
1999-present Division Chief	St. Joseph Hospital Fatima Unit Division of Neurosurgery

1999-present
Active Staff

Roger Williams Medical Center
Department of Surgery / Division of Neurosurgery
825 Chalkstone Avenue
Providence, RI 02908
Harold Wanabo, M.D., Department Chief

1999-present
Active Staff

Landmark Medical
Department of Surgery/ Division of Neurosurgery
115 Cass Avenue Woonsocket, RI 02895
Frank Detoire, M.D., Department Chief

Academic Appointments

1989-1992

Assistant Professor Department of
Neurosurgery New England Medical
Center Tufts University School of
Medicine Boston, Massachusetts

1992-1993

Associate Professor Department of
Neurosurgery New England Medical
Center Tufts University School of
Medicine Boston, Massachusetts

1993-1999

Associate Professor Department of
Neurosurgery Rhode Island
Hospital Brown University School of
Medicine Providence, RI

Committees. Positions

1993-1994

Acting Director, New England Gamma Knife Center

1994-1999

Director, Rhode Island Brain Tumor Clinic

1993-1999

Director, Rhode Island Neuro-Oncology Board

1998-present

Neurosurgery Subcommittee, Radiation Therapy
Oncology Group (RTOG)

Teaching Responsibility:

1994-present

Brown Neurosurgical Residency Program

Memberships:

1980

American Board of Medical Examiners, Diplomate

1986	Congress of Neurosurgery
1988	American Board of Neurological Surgery, Diplomate
1989	Research Society of Neurological Surgery
1990	American Association of Neurological Surgeons
1990	Tumor Section
	American Association of Neurological Surgeons
1991	American Society of Clinical Oncology
1993	Spine Section
	American Association of Neurological Surgeons

Editorial boards:

I have reviewed papers for the following journals

- Cancer Research
- Cancer
- Neurosurgery
- Journal of Biological Response Modifiers
- Journal of Immunotherapy
- Journal of Neurosurgery

Bibliography:refereed clinical and scientific articles

1. **Saris SC:** Chorea caused by caudate infarction. Arch Neurol 40:590-591,1983
2. **Saris SC, Vavoulis G, Linder J, Friedman A:** Fibrosarcoma of the heart metastatic to the brain. Neurosurg 13:327-329,1983
3. **Saris SC, Bigner SA, Bigner DD:** Intracerebral transplantation of a human glioma line in immunosuppressed rats. J Neurosurg 60:582-588,1984
4. **Bullard DE, Saris SC, Bigner DD:** Internal carotid artery injections in 40-99 gram Fischer rats: Technical note and evaluation of blood flow by various techniques. Neurosurg 14:406-411,1984
5. **Saris SC, Nashold BS Jr:** Dorsal root entry zone coagulation for post-amputation pain. J Neurosurg 62:72-76,1985
6. **Saris SC, Silver J, Vieira J, Nashold BS Jr:** Sacral rhizotomy for perineal pain. Neurosurg 19:789-793,1986
7. **Saris SC, Rawlings CE III, Muraki A, Friedman A:** Syringomyelia in a man with sarcoidosis. Neurosurg 16:805-807,1986
8. **Saris SC, Patronas N, Loriaux L, Cutler GB, Niemann L, Chrousos G, Doppman J, Oldfield EH:** Pituitary CT scanning in Cushing Syndrome. Radiology 162:775-777,1987
9. **Saris SC, Shook D, Blasberg R, Doppman J, Dedrick R, Lutz R, Blacklock JR, Bankiewicz K, Oldfield EH:** Intracarotid drug delivery with diastole-phased, pulsed infusion. J Neurosurg 67:721-725,1987
10. **Saris SC, Wright DC, Oldfield EH, Blasberg RG:** Intravascular streaming and variable delivery to brain following intracarotid artery infusions in the Sprague-Dawley rat. J Cereb Blood Flow Metab 8:116-120,1988

- Saris SC**, Nashold BS Jr: Successful treatment of phantom pain with dorsal root entry zone lesions. *Appl Neurophysiol* 51:188-197, 1988
12. **Saris SC**, Vieira FS, Nashold BJ Jr: Dorsal root entry zone coagulation for intractable sciatica. *Appl Neurophysiol* 51:206-211, 1988
 13. **Saris SC**, Rosenberg SA, Friedman R, Rubin JT, Barba D, Oldfield E: Penetration of interleukin-2 across the human brain-cerebrospinal fluid barrier. *J Neurosurg* 69: 29-34, 1988
 14. Alexander JA, **Saris SC**, Oldfield EH: The effect of interleukin-2 on the blood-brain barrier in the 9L gliosarcoma rat model. *J Neurosurg* 70: 92-96, 1988
 15. Barba D, **Saris SC**, Holder C, Rosenberg SA, Oldfield EH: Intratumoral LAK cell and interleukin-2 therapy of human gliomas. *J Neurosurg* 70: 175-182, 1989
 16. Plunkett RJ, **Saris SC**, Bankiewicz K, Weber R: Implantation of dispersed cells into primate brain. *J Neurosurg* 70: 441-445, 1989
 17. **Saris SC**, Alexander JA, Frank, Dwyer A, Rosenberg SA, Rubin JT, Oldfield EH: The effect of intravenous interleukin-2 on brain water content. *J Neurosurg* 71:168-174, 1989
 18. McCutcheon I, Baranco R, Katz D, **Saris SC**: Adoptive immunotherapy of brain metastases in mice. *J Neurosurg* 72: 102-109, 1990
 19. **Saris SC**, Blasberg RG, Carson RE, DeVroom HL, Lutz R, Dedrick RL, Pettigrew K, Chang R, Doppman J, Wright DC, Herscovitch P, Oldfield EH: Intravascular streaming during carotid artery infusions: Demonstration in humans and reduction using diastole-phased, pulsatile administration. *J Neurosurg* 74: 763-772, 1991
 20. Akbasak A, Oldfield EH, **Saris SC**: Expression and modulation of mouse primary brain tumor major histocompatibility antigens in vitro. *J Neurosurg* 75: 922-929, 1991
 21. **Saris SC**, Spiess P, Lieberman D, Wallbridge S, Lin S: Adoptive immunotherapy of brain metastases in mice with tumor infiltrating lymphocytes. *J Neurosurg* 76: 513-519, 1992
 22. **Saris SC**, Solares G, Wazer D, et al. Boron neutron capture therapy for murine malignant gliomas. *Cancer Research* 52: 4672-4677, 1992
 23. Wexler LH, DeLaney T, **Saris SC**, Horowitz M. Long-term survival after CNS relapse in a patient with osteosarcoma. *Cancer* 72: 1203-1208, 1993
 24. Solares GR, Zamenhof RG, Wazer DE, DiPetrillo TA, **Saris SC**, Cano G, Hading OK. Effects of fractionation of boron neutron capture therapy in a mouse glioma model. In press, *Proceeding of the Fourth International Symposium on Boron Neutron Capture Therapy*.
 25. Perez-Cruet M, Adelman L, Anderson M, Roth P, Ritter A, Saris SC. CT-guided stereotactic biopsy of non-enhancing brain lesions. *Stereotactic and Functional Neurosurgery*, 61:105-117, 1993.
 26. Burgess F.W., **S. Saris**. *Interventional Pain Management*. Issues in Pain Management December 1994. Volume 1:2.
 27. Cano GC, Anderson M, Borden J, **Saris SC**. Hydromyelia associated with a posterior fossa cyst. *Surgical Neurology*, February 1995.
 28. Brem H and the Polymer-Brain Tumor Treatment Group (**Saris S**, Principal Investigator, New England Medical Center) Placebo-controlled trial of safety and efficacy of intraoperative controlled delivery by biodegradable polymers of chemotherapy for recurrent gliomas. *Lancet* 345: 1008-1012, 1995
 29. Glantz MJ, Choi K, Kearns CM, Cole BF, Mills P, Zuhowski EG, **Saris S**, Rhodes CH, Stopa E, Egorin MJ. Phase I study of weekly outpatient paclitaxel and concurrent cranial irradiation in adults with astrocytomas. *J Clin Oncol* 14: 600-609, 1996
 30. Zunkeler B, Carson RE, Olson J, Blasberg RG, DeVroom H, Lutz RJ, **Saris SC**, Wright DC, Kammerer W, Patronas NJ, Dedrick RL, Herscovitch P, Oldfield EH. Quantification and pharmacokinetics of blood-brain barrier disruption in humans. *J Neurosurg* 85: 1056-65, 1996
 31. **Saris S**. Multidisciplinary approach to malignant gliomas. *Rhode Island Medical Journal*, 1997
 32. Ulin K, Bornstein LE, Ling M, **Saris S**, Wu J, et al. A technique for accurate planning of stereotactic brain implants prior to head ring fixation. *Int J Radiation Oncology Biol Phys* 39: 757-767, 1997
 33. Glantz M, Mills P, **Saris SC**, et al. High dose intravenous methotrexate for patients with leptomeningeal carcinomatosis: Is intrathecal chemotherapy necessary. *J Clin Oncol* 16: 1561-1567, 1998

chapters

1. **Saris SC**, Bigner DD: Experimental Neuro-oncology, Chapter 24 in Foundations in Neurosurgery. Crockard A, Hayward R, Hoff J (eds), Blackwell Scientific Publications, London, England, pp 392-416, 1985
2. Bronc P, **Saris SC**, Nashold BS Jr: Dorsal Root Entry Zone Coagulation, In Operative Surgery, Symonds L (ed), Butterworths, London/Boston, 1990 (in press)
3. Heiman C, **Saris SC**: Malignancies of the brain. In Primary Malignancies, Cameron R. (ed), Lange Series, Chapter 54, pp 435-443.
4. Roth P, **Saris SC**: Neurologic Emergencies. In Primary Malignancies, Cameron R. (ed), Lange Series, 1994, Chapter 11, pp 53-59.
5. Harling OK, Zamenhof RG, Yanch JC, Choi R, **Saris SC**, et al: Boron neutron capture and radiation synovectomy research at the M.I.T research reactor, in Boron neutron capture therapy.

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