

## Joseph M. Piepmeier, MD

Mailing Address: Nixdorff/German Professor  
Vice Chairman, Department of Neurosurgery  
Yale University School of Medicine  
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Licensure:  
Connecticut 023569

Board Certification:  
American Board of  
Neurological Surgery April 1984

### Education and Training:

#### **Undergraduate:**

Duke University B.A. June 1972

#### **Graduate:**

University of Tennessee M.D. June 1975

#### **Postgraduate:**

June 1976-June 1977	Intern, Surgery	Yale-New Haven Hospital
June 1977-June 1978	Jr., Assist. Res. Neurosurgery	Yale-New Haven Hospital
June 1978-June 1979	Assist. Res. Neurosurgery	Yale-New Haven Hospital
June 1979-June 1980	Res. Assoc. Neurosurgery	Yale University School of Medicine
June 1980-June 1981	Sr. Res. Neurosurgery	Yale-New Haven Hospital
June 1981-June 1982	Chief Res. Neurosurgery	Yale-New Haven Hospital

### **COMMITTEES AND APPOINTMENTS**

#### Hospital-Yale-New Haven Hospital

June 1982-present	Attending Surgeon
June 1982-June 1992	Critical Care Committee
June 1982-June 1990	Emergency Service Phys. Advisory Committee

July 1988-July 1990	Credentials Committee
Sept 1989-present	Cancer Committee
Sept 1994-Sept 1995	Operating Room Access Committee
Sept 1995-present	Operating Room Committee
Oct 1995-Oct 1997	Ambulatory Care Committee

University

Yale University School of Medicine

June 1982	Director, Laser Workshop
June 1982-June 1987	Assistant Professor, Neurosurgery
June 1987-June 1997	Associate Professor, Neurosurgery
Oct 1987-present	Director, Neuro-oncology Laboratory
July 1992	Search Committee, Chief of Medical Oncology
March 1993	Faculty Practice Plan
July 1992-July 1994	Strategic Planning Committee
Oct 1997-present	Medical Student Thesis Advisor Professor
June 2002-June 2005	Senior appointments and promotions Committee

Comprehensive Cancer Center

Nov 1987-present	Director, Neuro-oncology Unit
Nov 1992-2004	Cancer Advisory Committee
Apr 1992-1995	Clinical Studies Group
Feb 1995-1998	Primary Reviewer/Research Award Committee
Jan 2006-present	Clinical Advisory Council

Yale Medical Group

June 1997-June 2002	Credentials Committee
Mar 1997-Mar 1998	Medical Management Subcommittee
	Marketing Committee
June 1997-present	Board of Governors Contracting
June 2005-present	Clinical Chiefs Committee

Department of Neurosurgery

June 1996-June 2002	Faculty Practice Credentials Committee
	Chief, Section of Neuro-oncology
June 1996-present	Vice Chairman for Clinical Affairs
June 2003-June 2004	Acting Chairman
July 1996-present	Operating Room Committee

**OTHER PROFESSIONAL ACTIVITIES**

Apr 1982-present	Attending Surgeon	West Haven VA Hospital
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Apr 1982-Apr 1990	Consultant	Gaylord Hospital
Apr 1984-Apr 1990	Instructor	Advanced Trauma Life Support
Apr 1986-Apr 1992	Executive Committee	National Acute Spinal Cord Injury-Study II & III
Nov 1987-present	Member	Yale Comprehensive Cancer Center
Mar 1987-1991, 1997	Consultant	Pennsylvania Trauma Systems Foundation
June 1991, June 2000	Program Chairman	Neurosurgical Society of America
June 2001-June 2004	Secretary	
Apr 1991-present	Executive Committee	Joint Section on tumors
Apr 1991-Apr 1993	Chairman, Publication Committee	
Apr 1993-Apr 1995	Program Committee	
Apr 1994	Chairman, Program Committee	
Apr 1995	Editor, Newsletter	
Apr 1996	Planning Committee	
Apr 1997-Apr 1999	Secretary/Treasurer	
Apr 1999-Apr 2001	Chairman	
Apr 2001-Apr 2003	Nominating Committee	
Mar 1994-Mar 1995	Board of Editors	Journal of Neuro-oncology
Mar 1995-Mar 1999	Associate Editor	
Feb 1999-present	Editor in Chief	
Feb 1992-Feb 2002	Board of Editors	Neurosurgery
Jan 2002-present	Principal Editor	
Sept 1997	Chairman of Performance and Safety Monitoring Board	NINDS ACE Trial
Sept 2001	Performance and Safety Monitoring Executive Committee (ex-officio)	NINDS COSS Trial
Oct 1998-Oct 1999	Nominating Committee	Congress of Neurological Surgeons
Oct 2001-Oct 2002	Board of Directors (ex-officio)	American Association of Neurological Surgeons
Feb 1999-Feb 2000		
June 1999	Guest board examiner	American Board of Neurological Surgeons
Mar 2001-Mar 2002	Secretary	Connecticut Neurosurgical Society
Feb 2002-Feb 2004	President	

Nov 1999-present	International Advisory Board	Japan Society of Brain Tumor Pathology
Dec 1999-Dec 2000	Consultant	Department of Defense Centers of Excellence
Mar 2002-present	International Advisory Panel	Zentrablatt Fur Neurochirurgie
Feb 2003	Grant Review	NCI Grant Review Project, RF 04-001, Brain Tumor Consortia
May 2002-2005	Scientific review committee	Goldhirsch Foundation
Feb 2004	Scientific review committee	State of CT, DPH
November 2006	Course co-director	Yale 1 <sup>st</sup> annual neuron- oncology comprehensive update

Membership in Clinical, Academic and Scientific Societies:

Fellow, American College of Surgeons  
 Neurosurgical Society of America  
 American Association of Neurological Surgeons  
 Congress of Neurological Surgeons  
 Joint Section on Tumors of the AANS/CNS  
 Yale Chapter of Sigma Xi  
 Connecticut Neurosurgical Society  
 New England Neurosurgical Society  
 American Association for the Advancement of Science  
 Connecticut Chapter American College of Surgeons  
 Yale Surgical Society  
 Society for Neuroscience  
 Society for Neuro-oncology

Honors and Awards:

Allied National Research Award  
 Wakeman Award for Research in the Neurosciences  
 Alpha Omega Alpha  
 Honorary Master of Arts Yale University  
 Nixdorf-German Professor of Neurosurgery  
 Fellow of Davenport College, Yale University  
 Bittner Award Lecture AANS 2007

### Visiting Professor

University of Connecticut, Farmington CT	1989
Nipon Medical School, Tokyo Japan	1993
University of Lund, Lund Sweden	1994
University of Torino, Siena Italy	1995
University of Buffalo/Rosewell Park Cancer Inst.	1995
Al Shorouk Hospital, Cairo Egypt	1996,1997
Vanderbilt University, Nashville TN	1997
Hospital Sainte-Anne, Paris France	1997
Chilean Congress, Vina del Mar Chile	1998
Nipon Medical School, Tokyo Japan	2000
2 <sup>nd</sup> International Symposium on Brain Tumor Pathology Nagoya, Japan	2000
Rush Medical Center/CINN, Chicago	2001
Henry Ford Hospital, Detroit	2001
Emory University	2002
University of Toronto	2002
University of Texas	2003
Memorial-Sloan Kettering	2003
University of Vermont	2004
Stanford University	2004
LSU	2005
Columbia University	2005

### **EDITORIAL ASSIGNMENTS**

#### Book Editor

The Outcome Following Traumatic Spinal Cord Injury, J. M. Piepmeier (ed) Futura Pub, Mt. Kisco, NY 1992.

Brain Tumors Practical Guide to Diagnosis and Management. J. M. Baehring, J. M. Piepmeier (eds) Informa Pub, New York 2007.

#### Published Book Reviews:

*Yale Journal of Biology and Medicine*

Advances in Neuroendocrine Physiology, Tj.B. Van Wimersma Guidanus (ed) 1982

Cerebrospinal Fluid and Peptide Hormones, K.B. Ruf,G Tolis (eds) 1982

Proteins in the Nervous System, B. Haber, J. Perez-Polo, J. Coulter (eds) 1982

Positron Emission Tomography, M. Reivich, A. Alavi (eds) 1986

#### *Neurosurgery*

Benign Cerebral Glioma Volumes I & II, M.L.J. Apuzzo (ed) 1995

#### Ad Hoc Reviewer

*Yale Journal of Biology and Medicine*

*Journal of Surgical Research*  
*Glia*  
*Iatrogenics*  
*Oncology Research*  
*Journal of Clinical Investigation*  
*Cancer*  
*Surgical Neurology*  
*The Lancet Oncology*  
*Zentrablatt Fur Neurochirurgie*

Guest Editor (prepared and edited special issue volume)

*Journal of Neuro-oncology*  
*Techniques in Neurosurgery*

Editorial Board Appointments

<i>Journal of Neuro-oncology</i>	Board of Editors	1994-1995
	Associate Editor	1995-1999
	Editor-in-Chief	1999-present
<i>Neurosurgery</i>	Board of Editors	1992-2001
	Principal Editor, Molecular Biology	2001-present
Acta Neurochirurgica	Board of Editors	2002-present

Published Editorial Reviews in *Neurosurgery*

Over 100 published manuscript review comments since 1988.

**GRANT SUPPORT**

Ohse Research Award  
Yale University School of Medicine  
1983-1984  
P.I: J.M. Piepmeier, M.D.

National Acute Spinal Cord Injury II  
NS 15078  
5/14/85-1/22/90  
P.I. Michael Bracken, Ph.D.  
Co-investigator: J.M. Piepmeier, M.D.

Effect of Antimicrotubule Agents on Glioblastoma  
R01 CA56746-03  
4/1/92-3/31/95

P.I. J.M. Piepmeier, M.D.

National Acute Spinal Cord Injury Study III

NS 15078-12

7/1/91-6/30/96

P.I. Michael Bracken, Ph.D.

Co-investigator: J.M. Piepmeier, M.D.

Phase I study to assess the histological effect and safety of pre-operative and post-operative infusions of IL13-PE38QQR cytotoxin in patients with recurrent resectable supratentorial malignant glioma

NeoPharm, Inc

2/12/02-12/30/03

P.I. Joseph Piepmeier

Phase III randomized evaluation of convection enhanced delivery of IL13-PE38QQR compared to gliadel wafer with survival endpoint in glioblastoma multiforme patients at first recurrence.

NeoPharm, Inc.

1/1/04-2007

P.I. Joseph Piepmeier

Quality of Life in Patients with Brain Metastases

PAR-02-037

7/04-6/06

PI. Michael Stoffman

J. Piepmeier, Investigator

**Medical Student Thesis Advisor**

N. Ross Jenkins 1987

Mark Weinstein 1993

**Undergraduate Thesis Advisor**

Sabrina Poon 2007

**Postdoctorate Fellows**

Daizo Yoshida 1993-1994

Mashahiro Noha 2001-2003

Koray Ozduman 2005-2007

**PhD Thesis Advisory Committee** 2005-2007

Wenya Linda Bi

**PUBLICATIONS**

1. Glanz S, Geehr R, Duncan C, Piepmeier J: Metrizamide-enhanced CT for evaluation of brainstem tumors. *Am J Neuroradiol* 1:31-34, 1980 and *Amer J Radiol* 134:821-824, 1980.
2. Piepmeier J, Wagner F: Delayed post-traumatic extra-axial hematomas. *J Trauma* 22:455-461, 1982.
3. Piepmeier J, Kauer J, Greer C: Laminar distributions of 2-deoxyglucose uptake in the rat spinal cord following electrical stimulation of the sciatic nerve. *Brain Res* 259:167-171, 1983.
4. Piepmeier J, Virapongse C, Kier L, Kim J, Greenberg A: Intracranial adenocystic carcinoma presenting as a primary brain tumor. *Neurosurgery* 12:348-352, 1983.
5. Flamm E, Young W, Collins W, Piepmeier J, Clifton G, Fisher B: A phase 1 trial of naloxone treatment in acute spinal cord injury. *J Neurosurgery* 63:390-397, 1985.
6. Lindsey R, Piepmeier J, Burkus K: Tortuosity of the vertebral artery: An adventitious finding after cervical trauma. *J Bone Joint Surgery* 67:806-808, 1985.
7. Piepmeier J, Lehmann K, Lane J: Cardiovascular instability following acute cervical spinal cord trauma. *Central Nervous System Trauma* 2:153-160, 1985.
8. Piepmeier J: The management of the cervical fracture. *Current Therapy in Neurological Surgery*. Don Long (ed) B.C. Decker, 1985.
9. Piepmeier J, Thibodeau L: Spinal cord injury research. Pathways for the future. *Advances in Trauma*. K Mall (ed) Yearbook Medical Publishers Inc, 1986 pp267-289.
10. Duff T, Borden E, Bay J, Piepmeier J, Sielaff K: Phase II trial of interferon- $\beta$  for treatment of recurrent glioblastoma multiforme. *J Neurosurg* 64:408-413, 1986.
11. Hufnagle T, Artiles C, Piepmeier J, Kier L, Kim J: Desmoplastic fibroma of parietal bone simulating eosinophilic granuloma. *J Neurosurg* 67:449-457, 1987.
12. Lehmann K, Lane J, Piepmeier J, Batsford W: Cardiovascular abnormalities accompanying acute spinal cord injury in humans: Incidence, time course and severity. *J Ameri Coll Cardiol* 10:46-52, 1987.
13. Collins W, Piepmeier J, Ogle E: The spinal cord injury problem-A review. *Central Nervous System Trauma* 4:317-332, 1987.
14. Piepmeier J: Observations on the current treatment of low grade astrocytic tumors of the cerebral hemispheres. *J Neurosurg* 67:177-181, 1987.
15. Thibodeau L, Ariza A, Piepmeier J: Primary leptomeningeal sarcomatosis: Case Report and literature review. *J Neurosurg* 68:802-805, 1987.
16. Piepmeier J, Jenkins N: Late changes in neurological examinations following traumatic spinal cord injury. *J Neurosurg* 69:399-402, 1988.

17. Hufnagle T, Kim J, Lesser R, Miller J, Abrahams J, Piepmeier J, Manuelidis E: Malignant glioma of the optic chiasm eight years after radiotherapy for prolactinoma. *Arch Ophthalmol* 106:1701-1705, 1988.
18. Spencer D, Chyatte D, Collins W, Duncan C, Ment L, Piepmeier J, Robinson F, Sas K: *Neurological Surgery. Principles of Surgery*, S. Schwartz (ed) McGraw Hill Co., 1988.
19. Piepmeier J, George T: Surgical management of supratentorial gliomas. *Contemporary Neurosurg* Vol 11, No. 21, 1989.
20. Peschel R, Piepmeier J: Temporary high activity I<sup>125</sup> implants for primary glioblastoma multiforme. *Endocurie/Hyperthermia Oncology* 5:245, 1989.
21. Stahl R, Burstein F, Leipnis J, Murphy M, Piepmeier J: Extensive wounds of the spine: A Comprehensive approach to debridment and reconstruction. *Plastic and Reconstructive Surgery* 85:747-753, 1990.
22. Bracken M, Shephard M, Collins W, Holford T, Young W, Baskin D, Eisenberg H, Leo-Summers L, Maroon J, Marshal L, Perot P, Piepmeier J, Sonntag V, Wagner F, Wilberger J, Winn R: A randomized clinical trial of methylprednisolone and naloxone used in the initial treatment of acute spinal cord injury. *New England Journal of Medicine* 322:1405-1411, 1990.
23. Hait W, Byrne T, Piepmeier J, Durivage H, Choudhury S, Davis C, Gates J: Clinical and laboratory studies on the effect of calmodulin inhibitor with bleomycin on the growth of high grade gliomas. *Cancer Res* 50:6636-6640, 1990.
24. Lyons M, Partington M, Meyer F, Yarkony G, Roth E, Senegor M, Stifel H, Brown M, Bracken M, Shephard M, Collins W, Holford T, Young W, Piepmeier J, Leo-Summers L, Baskin D, Eisenberg H, Flamm G, Marshall L, Maroon J, Wilberger J, Perot P, Winn R, Sonntag V, Wagner F: A randomized clinical trial of methylprednisolone or naloxone in the treatment of acute spinal cord injury. *NEJM* 323:1207-1209, 1990.
25. Freedman T, Piepmeier J, Murdoch G, Bia F: Recurrent aseptic meningitis for 24 years. Diagnosis and treatment of an associated lesion. *Yale J Biol Med* 63:593-599, 1990.
26. Piepmeier J: Acute cervical spinal cord injury. *Neurosurgical Consultations* Vol 1, Issue II, 1990.
27. Piepmeier J: A randomized controlled trial of methylprednisolone and naloxone in the treatment of acute spinal cord injury. *Bulletin of the Neurosurgical Association* Vol 1, No. 3:74-75, 1991.
28. Piepmeier J, Sas K, Surgical management of lateral ventricular tumors, *Neuro-oncology*, K. Takakura, M. Walker, P. Paoletti (eds) Kluwer, 1991, pp 333-338.
29. Bracken M, Shephard M, Collins W, Holford T, Baskin D, Eisenberg H, Flamm E, Leo-Summers L, Maroon J, Marshall L, Perot P, Piepmeier J, Sonntag V, Wagner F, Wilberger J, Winn R, Young W: Methylprednisolone or Naloxone treatment after acute spinal cord injury study. *Injury: 1-year follow-up data.*

- Results of the second national acute spinal cord injury study. *J Neurosurg* 76:23-31, 1991.
30. Piepmeier J: The Outcome Following Traumatic Spinal Cord Injury. Piepmeier J (ed) Futura Pub Co. 1992.
  31. Piepmeier J, Spencer D, Sass K, George T: Lateral ventricular Masses. *Brain Surgery Complications, Avoidance and Management*. M. Apuzzo (ed) Churchill Livingstone. 1993.
  32. Piepmeier J, Collins W: Recovery of function following spinal cord injury. *Handbook of Clinical Neurology*. P. Vinken, G. Bruyn, H. Klawans, H. Frankel (eds), vol. 61, Elsevier, 1993.
  33. Piepmeier J, Keefe D, Weinstein M, Yoshida D, Zielinski J, Lin T, Chen Z, Naftolin F: Estramustine and related analogs rapidly and reversibly inhibit DNA synthesis and alter morphology in human glioblastoma cells. *Neurosurgery* 32:422-431, 1993.
  34. Piepmeier J, Fried I, Makuch R: Low grade astrocytomas may arise from different astrocyte lineages. *Neurosurgery* 33:627-632, 1993.
  35. Piepmeier J: Research strategies for evaluating the biological diversity of low-grade astrocytomas. *Perspectives in Neurosurgery* 4:1-20, 1994.
  36. Yoshida D, Piepmeier J, Weinstein M: Estramustine sensitizes human glioblastoma cells to irradiation. *Cancer Research* 54:1415-1417, 1994.
  37. Piepmeier J: Factors that influence neurological recovery following traumatic spinal cord injury. *Neurotraumatology* 16:13-17, 1994.
  38. Yoshida D, Cornell-Bell A, Piepmeier J: Selective antimitotic effects of estramustine correlates with its antimicrotubule properties on glioblastoma and astrocytes. *Neurosurgery* 34:863-868, 1994.
  39. Piepmeier J, Westerfeld M, Spencer D, Sass K: Surgical management of intraventricular tumors of the lateral ventricles. *Operative Neurosurgical Techniques*. Schmidek, Sweet (eds), W.B. Saunders, 1995.
  40. Byrne T, Piepmeier J, Yoshida D: Imaging and clinical features of gliomas. *The Practice of Neurosurgery*. G. Tindall, P. Cooper, D. Barrow (eds) Williams and Wilkins, 1995: pp 637-648.
  41. Klepper S, Naftolin F, Piepmeier J: Verapamil HCL treatment attenuates immunoreactive GFAP expression at cerebral cortical lesion site. *Brain Research* 695:245-249, 1995.
  42. Yoshida D, Piepmeier J: Surgery of posterior fossa intra-axial tumors. *The Practice of Neurosurgery*. G. Tindall, P. Cooper, D. Barrow (eds) Williams and Wilkins, 1995: pp 985-994
  43. Piepmeier J, Gunel M: Management of low-grade gliomas: Radiation therapy at the time of recurrence. *Clinical Neurosurgery* 42:495-508, 1995.

44. Kveton J, Friedman C, Piepmeier J, Constantino P: Reconstruction of suboccipital craniectomy defects with hydroxyapatite: A preliminary report. *Laryngoscope* 105:156-159, 1995.
45. Piepmeier J, Collins W, Spencer D: Yale University Neurosurgery Program. *Neurosurgery* 38:146-151, 1996.
46. Piepmeier J, Rabidou N, Schold C, Bitonti A, Prakash N, Bush T: In vitro and in vivo inhibition of glioblastoma and neuroblastoma with MDL101731, a novel ribonucleoside diphosphate reductase inhibitor. *Cancer Research* 56:359-361, 1996.
47. Halperin E, Herndon J, Schold C, Brown M, Vick N, Cairncross G, Macdonald D, Gaspar L, Dropcho E, Rosenfeld S, Morowitz R, Piepmeier J, Hait W, Byrne T, Salter M, Imperato J, Khandekar J, Burger P, Bentel G, Friedman A for the CNS Cancer Consortium. A phase III randomized prospective trial of external beam radiotherapy, mitocycin C, BCNU and 6-mercaptopurine for the treatment of adults with anaplastic glioma of the brain. *International Journal of Radiation Oncology Biology and Physics* 34:793-802, 1996.
48. Piepmeier J, Christopher S, Spencer D, Byrne T, Kim J, Knisely J, Lacy J, Tsukerman L, Makuch R: Variations in the natural history and survival of patients with supratentorial low-grade astrocytomas. *Neurosurgery* 38:872-879, 1996.
49. Yoshida D, Piepmeier J, Teramoto A: In vitro inhibition of cell proliferation and invasiveness in U87MG human glioblastoma cells by estramustine phosphate. *Neurosurgery* 39:360-366, 1996.
50. Bergenheim T, Henriksson R, Piepmeier J, Yoshida D: Review Article: Estramustine in malignant glioma. *J Neuro-oncol*, 30:81-89, 1996.
51. Piepmeier J: Late sequelae of spinal cord injury. *Neurotrauma*. R. Narayan, Wilberger J, Povlishock J (eds) McGraw Hill, Inc, Chapter 89, 1996 pp 1237.
52. Piepmeier J, Pedersen P, Greer C, Yoshida D: Targeting microtubule-associated proteins in glioblastoma: A new strategy for selective therapy. *Annals of Surgical Oncology*, 3:543-549, 1996.
53. Jaworski D, Kelly G, Piepmeier J, Pedersen P, Hockfield S: BEHAB, the CNS specific hyaluronan-binding protein, is expressed in glioma and in intracranial grafts of glioma cell lines. *Cancer Research*, 56:2293-2298, 1996.
54. Piepmeier J: Tumors and approaches to the lateral ventricle: Introduction and overview. *J Neuro-oncol*, 30:267-274, 1996.
55. Piepmeier J: Primary Brain Tumors: The case for resective surgery. *Clinical Neurosurgery*, 44:51-62, 1996.
56. Obedian E, de Lotbiniere A, Haffty B, Piepmeier J, Fisher D, Knisely J: Stereotactic radiosurgery for brain metastases. In D. Kondziolka (ed) *Radiosurgery 1997*. Basel: Karger 78-85.
57. Piepmeier J: Reoperations for low-grade gliomas. *Techniques in Neurosurgery*, 2:183-193, 1997.

58. Gunel M, Piepmeier J: Management of low-grade gliomas. *Contemporary Neurosurgery*, 19:1-6, 1997.
59. Bracken M, Shephard M, Holford T, Leo-Summers L, Eisenberg H, Fazl M, Fehlings M, Herr D, Hitchon P, Nockels R, Pascale V, Perot P, Piepmeier J, Sonntag V, Wagner F, Wilgerger J, Winn R, Young W: Methylprednisolone administered for 24 or 48 hours or 48 hour tirilazad mesylate in the treatment of acute spinal cord injury; results of the third National Acute Spinal Cord Injury randomized clinical trial. *Journal of the American Medical Association* 277:1597-1604, 1997.
60. Piepmeier J: Special Edition, J.M. Piepmeier, editor: Low-grade gliomas. How much progress have we made over the past decade. *J Neuro-oncol* 34:1-3, 1997.
61. Bartolomei J, Christopher S, Vives K, Spencer D, Piepmeier J: Low-grade Gliomas of Chronic Epilepsy A Distinct Clinical and Pathological Entity. *Journal of Neuro-oncology* 34:79-84, 1997.
62. Piepmeier J: Low-grade gliomas: Criteria for patient selection. *Clinical Neurosurgery* 44:51-62, 1997.
63. Sun P, Piepmeier J: Tumors of the lateral ventricles: *Neurosurgery Quarterly* 7:286-300, 1997.
64. Yoshida D, Piepmeier J, Bergenheim T, Henriksson R, Teramoto A: Suppression of matrix metalloproteinase-2 mediated cell invasion in U87MG human glioma cells by antimicrotubule agent; in vitro study. *British Journal of Cancer* 77:21-25, 1998.
65. Piepmeier J: Trancallosal approaches to tumors of the lateral and third ventricles. *Techniques in Neurosurgery*, 4:58-66, 1998.
66. Piepmeier J: Tumors of the lateral ventricle: clinical case. *Techniques in Neurosurgery*, 4:2-5, 1998.
67. Obedian E, de Lotbiniere A, Haffty B, Piepmeier J, Fisher D, Knisely J: Stereotactic radiosurgery for brain metastases. *Radiosurgery* 2:251-260, 1998.
68. Bracken M, Shephard M, Holford T, Leo-Summers L, Aldrich F, Fazl M, Fehlings M, Herr D, Hitchon P, Marshal L, Pascale V, Perot P, Piepmeier J, Sonntag V, Wagner F, Wilberger J, Winn R, Young W: Methylprednisolone for 24 or 48 hours or tirilazad mesylate for 48 hours after acute spinal cord injury: 1 year follow-up. Results of the third national acute spinal cord injury randomized controlled trial. *Journal of Neurosurgery* 89:699-706, 1998.
69. Brown M, Cairncross G, Vick N, MacDonald D, Friedman H, Dropcho E, Rosenfeld S, Piepmeier J, Byrne T, Schold C, for the CNS Cancer Consortium: Comparative response of recurrent oligodendroglial astrocytic neoplasms to intravenous melphalan. *Neurology*, in press.
70. Vives K, Piepmeier J: Complications and expected outcomes of glioma surgery. *Journal of Neuro-oncology* 42:289-302, 1999.

71. Collingridge D, Piepmeier J, Knisely J, Rockwell S: Polargraphic measurement of oxygen tension in human glioma and peritumoral brain tissue. *Radiotherapy and Oncology* 53:127-131, 1999.
72. Gunel M, Piepmeier J: Surgery for brain tumors: Perioperative assessment and technical considerations. *Essentials of Neuro-oncology*. Bernstein M, Berger M (eds). Thieme pp 115-121, 2000.
73. Strugar J, Piepmeier J: Surgical management of tumors of the third and lateral ventricles. *Operative Neurosurgical Techniques*. Schmidek, H (ed), W.B. Saunders, Philadelphia, 837-851, 2000.
74. Piepmeier J: A neurosurgeon's perspective on the neuropathology of low-grade gliomas. *Brain Tumor Pathology* 17:85-88, 2000.
75. Carpentier A, Constable T, Scholsser M, Piepmeier J, Spencer D, Awad I: Patterns of functional magnetic resonance imaging activation in association with structural lesion in the rolandic region. A classification system. *Journal of Neurosurgery*, 94:946-954, 2001.
76. Kasowski H, Piepmeier J: Transcallosal approach to lateral and third ventricular tumors. *Neurosurgical Focus*, 10:1-6, 2001.
77. Piepmeier J: Cerebral gliomas. How tumor biology affects management. *Clinical Neurosurgery*, 48:1-9, 2001.
78. Claus E, Piepmeier J: Benign and malignant tumors of the brain. Principles and practice geriatric surgery. Rosenthal R, Zenilman M, Katlic M eds. Springer Verlag, New York, 949-956, 2001.
79. Johnson R, Piepmeier J: Surgery for glial neoplasms within the brain. *Textbook of neurological surgery*, Batjer and Loftus eds 2002: 1280-1291, 2002.
80. Piepmeier J: Low-grade gliomas. *Neurosurgical Focus* 12 (on line publication), 2002.
81. Piepmeier J: The neuro-oncological operating room of the future. *The Operating Room of the 21<sup>st</sup> Century* In Apuzzo ed, AANS Publications, 2003 pp 215-221
82. Johnson R, Baehring J, Piepmeier J: Surgery for third ventricular tumors. *Neurosurgery Quarterly* 13(3):207-225, 2003.
83. Baehring J, Piepmeier J: Surgical resection for patients with benign primary brain tumors and low-grade gliomas. *J Neuro-oncol*, 69: 55-65, 2004.
84. Cohen-Gadol AA, DiLuna ML, Bannykh SI, Piepmeier JM, Spencer DD: Non-enhancing de novo glioblastoma: report of two cases. *Neurosurg Rev*. Oct;27(4):281-285 2004
85. Baehring J, Vives K, Duncan C, Piepmeier J, Bannykh S. Tumors of the posterior third ventricle and pineal region: ependymoma and germinoma. *J Neurooncol*. 2004 Nov;70(2):273-4.
86. Bannykh S, Piepmeier J, Baehring: Melanocytoma. *J Neurooncol*. 2004 Oct;70(1):35

87. Piepmeier J: Forward: Cerebral oligodendrogliomas of adults and infants. *Neurochirurgie* 51:215-216, 2005.
88. Mariano S, Viapiano, Wenya Linda Bi, Joseph Piepmeier, Susan Hockfield and Russell T. Matthews. Novel tumor-specific isoforms of BEHAB/brevican identified in human malignant gliomas. *Cancer Research* 65:6726-6732, 2005
89. Nahed B, Kasowski H, Piepmeier J: The Transcallosal Transchoroidal Approach to Tumors of the Third Ventricle. *Neurosurgery* 57:361-366, 2005.
90. Stoffman M, Piepmeier J: Neurosurgical management of low-grade gliomas. *Neurosurgical Oncology*. Black P, Park J (eds), Humana Press, in press.
91. Omay B, Baehring J, Piepmeier J: Surgical management of tumors of the third and lateral ventricles. *Operative Neurosurgical Techniques*. Schmidek, H (ed), W. B. Saunders, Philadelphia, 5<sup>th</sup> Edition, 753-771, 2006..
92. Ocal E, Baehring J, Piepmeier J: Surgical approaches to intraventricular tumors. *Neurosurgical Operative Atlas*. In press.
93. Lee S, Vives K, Piepmeier J: Less common gliomas: brain stem glioma, juvenile pilocytic astrocytoma, ganglioglioma, pleomorphic xanthoastrocytoma, giant cell astrocytoma, desmoplastic astrocytoma, hamartoma. *Youmans Neurological Surgery*, in press.
94. Dotto J, Baehring J, Piepmeier J, Bannykh S: 21-year old female with cystic brain lesion. *Brain Pathology*, in press.
95. Piepmeier J, Baehring J: Surgery for brain tumors: Perioperative assessment and technical considerations. *Essentials of Neuro-oncology*. Bernstein M, Berger M (eds). Thieme, in press
96. Lally B, Knisely J, Piepmeier J: The interactions of polarographic measurements of oxygen tension and histological grade in human glioma. in press *The Cancer Journal*.
97. Piepmeier J, Thaiyananthan, T, Ocal, E: *Principles of Neurosurgical Therapy. Practice and Principles of Neuro-oncology*, Baehring J Piepmeier J (eds), 2006
98. Baehring J, Bi L, Bannyhk S, Piepmeier J, Fulbright R: Diffusion MRI in the early diagnosis of malignant glioma. *J. Neuro-oncology*, in press.
99. Kunwar S, Prados M, Chang S, Berger M, Lang F, Piepmeier J, Sampson J, Ram Z, Gutin P, Gibbons R, Aldape K, Croteau D, Sherman J, Puri R: Direct Intracerebral Delivery of Cintredekin Besudotox (IL13-PE38QQR) in Patients with Recurrent Malignant Glioma. *J Clin Oncol* 25(7):837-44, 2007
100. Sawyer A, Piepmeier J, Saltzman M: New Methods for Direct Delivery of Chemotherapy for Treating Brain Tumors. *Yale Journal of Biology and Medicine*, in press.

## **ABSTRACTS, PRESENTATIONS, AND INVITED LECTURES**

1. Duncan C, Bennett G, Lambrecht R, Piepmeier J: K<sup>38</sup> dynamics in cat brain. *Neurology* 30:432, 1980.
2. Duncan C, Bennett G, Piepmeier J, Ment L: Intracerebral water labeling O<sup>15</sup> for cerebral blood flow. *Neurology* 30:406, 1980.
3. Duncan C, Bennett G, Piepmeier J, Ment L: Cerebral blood flow measurement by proton activation. Proceedings of the American Association of Neurological Surgeons, San Francisco, California, 1980.
4. Piepmeier J, Wagner F: Delayed post-traumatic extra-axial hematomas. Invited Lecture American Society for Surgery of Trauma Annual Meeting, 1981.
5. Piepmeier J, Collins W: Hypoxic hypoxia and cerebral autoregulation. Congress of Neurological Surgeons Annual Meeting, 1981.
6. Piepmeier J, Collins W: The effect of gamma hydroxybutyrate on the post-hypoxic loss of autoregulation. American College of Surgeons Annual Meeting, 1981.
7. Piepmeier J, Collins W: The epidemiology of spinal cord injury in the National Collaborative Study. Neurosurgical Society of America Annual Meeting, Key West, Florida, 1983.
8. Piepmeier J: Surgical treatment of penetrating spinal cord injuries. Invited Lecture: Neurotrauma Regional Seminar, New York, New York, 1985
9. Lesser R, Byrne T, Piepmeier J: Hearing and visual loss and chronic lymphocytic leukemia. Proceedings of the Frank Walsh Society, 1986.
10. Burstein F, Stahl R, Lieponis J, Piepmeier J: Reconstruction of extensive wounds of the spine: A four pillar concept of debridment. Proceedings of the American Society of Plastic and Reconstructive Surgeons, 1988.
11. Piepmeier J, Collins W: The unusual presentation of an unusual disease. Neurosurgical Society of America Annual Meeting, Point Clear, Alabama, 1986.
12. Piepmeier J: Treatment of low-grade astrocytomas of the cerebral hemisphere. Neurosurgical Society of America Annual Meeting, Glendenen Beach, Oregon, 1987.
13. Piepmeier J, Hufnagle T, Collins W: Changes in histopathology of glioblastomas following I<sup>125</sup> interstitial irradiation. Neurosurgical Society of America Annual meeting, Hot Springs Virginia, 1988.

14. Piepmeier J: Management of acute spinal cord injured patient. Invited Lecture: Gaylord Regional Spinal Cord Injury Conference, 1988.
15. Piepmeier J, Dickey P: Intraoperative somatosensory evoked potentials and ultrasonography for resection of hemisphere gliomas. New England Neurosurgical Society Annual Meeting, 1988.
16. Piepmeier J, Jenkins N: Late neurological changes following acute traumatic spinal cord injury. Current Surgery, 1989.
17. Piepmeier J: Oncogenes and gliomas. Invited Lecture: Visiting Professor, University of Connecticut, Department of Neurosurgery, 1989.
18. Piepmeier J, Hamilton J: Neoplastic transformation of murine astrocytes by transfecting with glioma-associated oncogenes. American Association of Neurological Surgeons Annual Meeting, Washington D.C., 1989.
19. Piepmeier J, Hamilton J: Autocrine stimulation of retrovirally transformed astrocytes by an epidermal growth factor encoding sequence. Invited Lecture American Association of Neurological Surgeons Annual Meeting, Washington D.C., 1989.
20. Piepmeier J: Functional mapping of the brain for the resection of hemisphere gliomas. Neurosurgical Society of America Annual Meeting, Tucker's Town, Bermuda, 1989.
21. Piepmeier J, George T: Surgical management of tumors of the lateral ventricles. New England Neurosurgical Society Annual Meeting, 1990.
22. Piepmeier J, Mayer P, George T, Spencer D: Neurosurgical management during pregnancy. New England Neurosurgical Society Annual Meeting, 1990.
23. Piepmeier J: Surgical management of lateral ventricular tumors. International Symposium on Advances in Neuro-oncology, San Remo, Italy, 1990
24. Piepmeier J: Clinical management of acute spinal cord injury and the role of drug therapy. Invited Lecture: Symposium for the Wakeman Award, Durham, North Carolina, 1990.
25. Piepmeier J, Byrne T, Durivage H, Gates J, Hait W: Phase II trial of bleomycin with calmodulin inhibitor trifluoperazine in the treatment of malignant gliomas. American Society of Clinical Oncologists, 1990.
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27. Piepmeier J, Resection of tumors in primary sensorimotor cortex. American Association of Neurological Surgeons Annual Meeting, New Orleans, La., 1991.
28. Piepmeier J, Adult Astrocytoma. Invited Lecture: American Association of Neurological Surgeons Annual Meeting, New Orleans, La., 1991.

29. Piepmeier J: Physiological monitoring aiding brain tumor resection. Invited Lecture: Neurosurgical Society of America Annual meeting, San Destin, Florida, 1991.
30. Piepmeier J: Surgical approaches to CNS neoplasms. Invited Lecture: Presbyterian Hospital 5<sup>th</sup> annual Cancer Symposium, Charlotte, North Carolina, 1991.
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34. Piepmeier J: Natural history of low-grade gliomas. Invited Lecture: American Association of Neurologic Surgeons Annual Meeting, San Francisco, California, 1992.
35. Piepmeier J, Yoshida D, Keefe D, Zielinski J, Weinstein M, Lin T, Chen Z, Naftolin F: Antiproliferative effects of estramustine and estrone analogs on human glioblastomas: New steroid-based agents. 5<sup>th</sup> Canadian Neuro-oncology Meeting, Huntsville, Ontario, 1992.
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37. Yoshida D, Piepmeier J: Estramustine depolymerizes microtubules in human glioblastoma cells. American Association of Neurological Surgeons Annual Meeting, Boston, Mass. 1993.
38. Piepmeier J, Fried I: Low-grade astrocytomas may arise from separate astrocyte precursor cell lines. American Association of Neurological Surgeons Annual Meeting. Boston, Mass. 1993
39. Piepmeier J: Factors that influence neurological recovery following traumatic spinal cord injury. Invited Lecture: Japan Neurotrauma Congress, Tokyo, Japan, 1993.
40. Piepmeier J: Antimicrotubule therapy for primary malignant gliomas: Experimental observations. Invited Lecture: Visiting Professor, Department of Neurosurgery, Nippon University School of Medicine, Tokyo, Japan, 1993.

41. Piepmeier J, Fried I, Makuch R: Characterization of low grade astrocytomas according to distinct astrocyte lineages. Neurosurgical Society of America Annual Meeting, Boca Raton, Florida, 1993.
42. Piepmeier J, Yoshida D, Keefe D, Chen Z, Cornell-Bell A, Naftolin: Antimicrotubule therapy for malignant gliomas: Experimental Observations. Combined New York and New England Neurosurgical Society Annual Meeting, New Haven, Connecticut, 1993
43. Yoshida D, Piepmeier J: Enhancement of radiosensitivity by estramustine on glioblastoma. Congress of Neurosurgery Annual Meeting, Vancouver, B.C., 1993.
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45. Piepmeier J, Yoshida D, Cornell-Bell A: Antiproliferative effects of estramustine correlates with its antimicrotubule properties in glioblastoma and astrocytes. American Association of Neurological Surgeons Annual Meeting, San Diego, California, 1994.
46. Piepmeier J: Surgery for lesions of the third ventricle. Management of gliomas in the third ventricular region. Invited Lecture: American Association of Neurological Surgeons Annual Meeting, San Diego, California, 1994.
47. Piepmeier J, Pedersen P, Greer C: Immunohistochemical analysis of estramustine binding protein in astrocytes and glioblastoma. Sixth Canadian Neuro-oncology Conference 1994, Lake Louise, Canada, J Neuro-oncology 19:179, 1994.
48. Piepmeier J: Management of low-grade gliomas. Radiation therapy at the time of recurrence. Invited Lecture: Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, 1994.
49. Piepmeier J, Kveton J, Czibulka A: Cochlear nerve compound action potentials (CAP) reliability predict hearing following resection of acoustic neuromas. First Congress of the European Association of Neuro-oncology. Maastricht, The Netherlands, 1994. J Neuro-oncology 21:35, 1994.
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51. Piepmeier J, Kveton J, Czibulka A: Direct cochlear nerve compound action potential monitoring during removal of acoustic neuromas. Congress of Neurological Surgeons Annual Meeting, Chicago Illinois, 1994.
52. Piepmeier J, Pedersen P, Greer C: Expression of EMBP and MAPs in astrocytes and glioblastoma. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, 1994.

53. Kveton J, Friedman C, Piepmeier J, Canstantino P: Reconstruction of suboccipital craniectomy defects with hydroxapatite: A preliminary report. Triotologic Society, Ottawa, Ontario, 1994.
54. Halperin E, Herndon J, Schold C, Brown M, Vick N, Cairncross G, Macdonald D, Gaspar L, Dropcho E, Rosenfeld S, Morowitz R, Piepmeier J, Hait W, Byrne T, Salter M, Imperato J, Khandekar J, Burger P, Bentel G, Friedman A for the CNS Cancer Consortium. A phase III randomized prospective trial of external beam radiotherapy, mitomycin C, BCNU and 6-mercaptopurine for the treatment of adults with anaplastic glioma of the brain. ASTRO Annual Meeting, San Francisco, CA 1994.
55. Piepmeier J: Preclinical studies with estramustine for human glioblastoma. Visiting Professor, Joint Conference on Estramustine Therapy for Gliomas, University of Lund and Pharmacia, Lund, Sweden, 1994.
56. Piepmeier J: Low-grade gliomas. Radiation therapy at the time of recurrence. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, Chicago IL 1994.
57. Piepmeier J, Pedersen P, Yoshida D, Greer C: Targeting microtubules in glioblastoma: A new strategy for selective therapy. Annual meeting of the Society of Surgical Oncology, Boston MA 1995. *Annals of Surgical Oncology*, in press.
58. Piepmeier J: Low-grade gliomas. When I treat and why. Invited Lecture: Annual meeting of the Association of Neurological Surgeons. Orlando FL 1995.
59. Piepmeier J: Contemporary treatment of spinal cord injury. Conference moderator, Annual meeting of the Association of Neurological Surgeons. Orlando FL 1995.
60. Piepmeier J: Management of brain metastases. Annual meeting of the Association of Neurological Surgeons. Program Chairman for the Joint Section on Tumors, Orlando FL 1995.
61. Yoshida D, Takahashi H, Nakazawa S, Skuma Y, Piepmeier J: Cytostatic effects of estramustine on human glioblastoma cells in vitro. Annual meeting of the Association of Neurological Surgeons. Orlando FL 1995.
62. Piepmeier J: Current management and outcome for low-grade astrocytomas: Natural history and survival. Invited Lecture Italian Neuro-oncology Society Annual Meeting, Visiting Professor, University of Torino, Siena, Italy 1995.
63. Piepmeier J: Current therapy for low-grade astrocytomas: Results of a prospective nonrandomized study. Invited Lecture, Roswell Park Cancer Institute Neuro-oncology Symposium, Buffalo, NY 1995.
64. Piepmeier J: Tumors and approaches to the lateral ventricles: Introduction and Overview. Invited Lecture, Joint Section on Tumors Symposium. Congress of Neurological Surgeons San Francisco, CA 1995.
65. Piepmeier J, Rabidou N, Schold S, Bitoni A, Prakash, N: In vitro and in vivo activity of MDL101731, a novel ribonucleoside reductase inhibitor against

- malignant brain tumors. Congress of Neurological Surgeons, San Francisco CA 1995.
66. Jaworski D, Kelly G, Piepmeier J, Hockfield S: Intracranial grafts of glioma cell lines express the CNS specific HA-Binding protein BEHAB. Annual meeting of the Society for Neuroscience, 1995.
  67. Jaworski D, Kelly G, Piepmeier J, Hockfield S: Expression of the brain-specific extracellular matrix protein BEHAB: a role in glioma invasion? Annual meeting of the American Society for Cell Biology, 1995.
  68. Jaworski D, Kelly G, Piepmeier J, Hockfield S: BEHAB (brain enriched hyaluronan binding), a gene expressed specifically and selectively in surgical samples of astrocytoma, is also expressed in intracranial grafts of invasive glioma cell lines. AACR annual meeting, 1996.
  69. Piepmeier J, Low-grade astrocytomas. Society of University Neurosurgeons Annual Meeting, Marina Del Ray, CA 1996.
  70. Piepmeier J, Christopher S, Spencer D: Classification of low-grade astrocytomas and astrocyte ontogeny: Correlation with prognosis. 7<sup>th</sup> Canadian Neuro-oncology Meeting, Montreal, 1996.
  71. Knisely J, Haffty B, Piepmeier J, Christopher S, Byrne T, Lacy J, Kim J: Low-grade gliomas: Early vs. delayed radiotherapy. 7<sup>th</sup> Canadian Neuro-oncology Meeting, Montreal, 1996.
  72. Piepmeier J: Low-grade gliomas: Criteria for patient selection. Invited Lecture, Congress of Neurological Surgeons Annual Meeting, Montreal, Canada, 1996.
  73. Piepmeier J: Conventional resection of gliomas. Contemporary issues in the management of brain tumors. Invited Lecture, New York, 1996.
  74. Piepmeier J: Low-grade gliomas. Contemporary issues in the management of brain tumors. Invited Lecture, New York, 1996.
  75. Kier L, Davis L, Bronen R, Piepmeier J, Spencer D: The normal and abnormal uncinata fasciculus: An anatomic and MR study. Radiological Society of North America, 1996.
  76. Piepmeier J: Low-grade Gliomas. Invited Discussant International Congress of Neurological Surgery. Amsterdam, The Netherlands, 1997.
  77. Piepmeier J: Lateral ventricular tumors: Preoperative assessment and postoperative care. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, New Orleans LA, 1997.
  78. Michael J Schlosser, BS, Issam A. Awad, M.D., MSc, FACS, Dennis D. Spencer, M.D., Joseph M. Piepmeier, M.D., Gregory McCarthy, PhD . Mapping Auditory Comprehension in Neurosurgical Patients: Comparison of Functional Magnetic Resonance Imaging with Electrophysiologic Methods. CNS 1997 New Orleans
  79. Piepmeier J: Primary brain tumors. The case for resection. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, New Orleans LA 1997.

80. Piepmeier J: Surgical management of lateral ventricular tumors. Invited Lecture. AANS Annual Meeting, Philadelphia, 1998.
81. Piepmeier J: Oligodendrogliomas, a single diagnosis for two different diseases. Neurosurgical Society of America Annual Meeting, Quebec City, 1998.
82. Piepmeier J: Low-grade cerebral gliomas. Management Controversies. Invited Moderator CNS Annual Meeting, Seattle WA, 1998.
83. Piepmeier J: How to prepare a scientific publication. Invited Lecture. CNS Annual Meeting, Seattle WA, 1998.
84. Piepmeier J: Clinical and research strategies for the treatment of malignant gliomas. Invited Lecture. Society of Neurology, Psychiatry and Neurosurgery Annual Meeting. Vina del Mar, Chile, 1998.
85. Piepmeier J: Low-grade gliomas. Invited Lecture. Society of Neurology, Psychiatry and Neurosurgery Annual Meeting. Vina del Mar, Chile, 1998.
86. Piepmeier J: Intraoperative management of gliomas. Invited Lecture. Chilean Society of Neurology, Psychiatry and Neurosurgery Annual Meeting. Vina del Mar, Chile, 1998.
87. Collingridge D, Piepmeier J, knisely J, Rockwell S: Measurement of oxygen tension in human glioma and peritumoral tissue with polarographic oxygen electrodes. ASCO annual meeting, 1999, Clinical Immunology Newsletter 19:20-21, 1999.
88. Piepmeier J: Low-grade glioma of chronic epilepsy. Time for a new WHO classification. AANS Annual Meeting, New Orleans LA, 1999.
89. Engelhard H, Piepmeier J, Olson J, Stewart A: The commission on cancer's comprehensive brain tumor study for the year 2000: Information for neurosurgeons. Congress of Neurological Surgeons Annual Meeting, Boston, 1999.
90. Vives K, Beynet D, Choate K, Piepmeier J, Artivanis-Tsakonas S, Gunel M: Notch signaling pathway in human brain tumors. Congress of Neurological Surgeons Annual Meeting, Boston, 1999.
91. Piepmeier J: Low-grade gliomas. Invited Lecture Update on Tumors for the General Neurosurgeon. AANS Annual Meeting, San Francisco CA, 2000.
92. Piepmeier J: Low-grade gliomas: Current treatment and controversies. Invited Moderator. AANS Annual Meeting, San Francisco CA, 2000.
93. Vives K, Choate K, Park J, Piepmeier J, Artavanis-Tsakonas S, Gunel M: Notch-1 expression in glial tumors. AANS Annual Meeting, San Francisco CA, 2000.
94. Piepmeier J: Surgical approaches to intraventricular tumors. Visiting Professor. Nippon Medical School, Tokyo, Japan, May 9, 2000.
95. Piepmeier J: Neurosurgical perspective on the neuropathology of low-grade gliomas. Invited Lecture. 2<sup>nd</sup> international symposium of brain tumor pathology. Nagoya, Japan, May 12, 2000.

96. Piepmeier J: Cerebral gliomas. How tumor biology affects management. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, San Antonio TX 2000.
97. Piepmeier J: Case management: Gliomas. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, San Antonio TX 2000.
98. Piepmeier J: Functional MRI for Neuro-oncology. Invited Lecture. Congress of Neurological Surgeons Annual Meeting, San Antonio TX 2000.
99. Carpentier A, Constable T, Schlosser M, Piepmeier J, Spencer D, Awad I: Patterns of motor-FMRI activation: A classification of plasticity. Congress of Neurological Surgeons Annual Meeting, San Antonio TX 2000.
100. Piepmeier J: Extent of resection and survival for gliomas. Does it really matter? Neurosurgical oncology: The decade ahead symposium. Invited Lecture. MD Anderson Cancer Center. Houston TX 2001.
101. Piepmeier J: Neuro-oncology: What lies ahead. Keynote Address. MD Anderson Cancer Center. 10<sup>th</sup> Anniversary for the Department of Neurosurgery. Houston TX, 2001.
102. Piepmeier J: Low-grade Gliomas. State of the art treatment. Invited Moderator, AANS Annual Meeting, Toronto, 2001.
103. Piepmeier J: Management of low-grade gliomas. Invited Lecture. AANS Annual Meeting, Toronto, 2001.
104. Piepmeier J: Practical approach to clinical management of glioblastoma patient. Invited Lecture, AANS Annual Meeting, Toronto, 2001.
105. Piepmeier J: Point/Counterpoint: Controversies in brain tumor management. Invited Moderator, AANS Annual Meeting, San Diego, CA 2001.
106. Piepmeier J: Neuro-oncology and the decade of the brain: What have we learned? Visiting Professor, Rush Medical Center/CINN, Chicago IL, 2001.
107. Piepmeier J: Neuro-oncology and the decade of the brain: What have we learned? Visiting Professor, Henry Ford Hospital, Detroit MI, 2001.
108. Prados M, Lang F, Strauss L, Fleming C, Aldape K, Kunwar S, Yung A, Husain S, Chang S, Gutin P, Raizer J, Piepmeier J, Berger M, Puri R: Pre and post-resection interstitial infusions of IL13-PE38QQR cytotoxin: Phase I study in recurrent respectable malignant glioma. Society of Neuro-oncology World Federation meeting, Washington DC, 2001.
109. Piepmeier J: Cytoreduction for high-grade gliomas. Neuro-oncology 2002: Invited Lecture, Current Concepts Symposium. Sponsored by Cleveland Clinic, Naples FL, 2002.
110. Piepmeier J: Neuro-oncology and the decade of the brain. What have we learned? Visiting Professor, Emory University, Atlanta GA, 2002.
111. Piepmeier J: Management of high-grade gliomas. AANS Annual Meeting. Invited Lecture. Chicago IL, 2002.

112. Piepmeier J: Management of Low-grade gliomas. AANS Annual Meeting. Invited Lecture. Chicago IL, 2002.
113. Piepmeier J: Neurosurgical management of third ventricular tumors. AANS Annual Meeting. Invited Lecture. Chicago IL, 2002.
114. Piepmeier J: Controversies in the management of low-grade gliomas. AANS Annual Meeting. Invited Moderator. Chicago IL, 2002.
115. Piepmeier J: Low-grade gliomas. Review of current clinical data. Joint Section on Tumors Satellite Symposium. Invited Lecture. Chicago IL, 2002.
116. Piepmeier J: Neuro-oncology and the decade of the brain. What have we learned? Visiting Professor, University of Toronto, Toronto, Canada, 2002.
117. Piepmeier J: Neuro-oncology: Where do we go now? Invited presentation: Mid South Brain Tumor Symposium, Memphis TN, 2002.
118. Lang F, Kunwar S, Strauss L, Gutin P, Piepmeier J, McDermott M, Flemming C, Sherman J, Raizer J, Aldape K: A clinical study of convection-enhanced delivery of IL13-PE38QQR cytotoxin pre and post resection of recurrent GBM. Joint Section on Tumors Satellite Symposium. Chicago IL, 2002.
119. Prados MD, Lang FF, Sherman JW, Strauss LC, Fleming CK, Aldape K, Kunwar S, Yung WKA, Chang SM, Husain SR, Gutin PH, Raizer J, Piepmeier JM, Berger M, McDermott M, Puri RK. University of California San Francisco, San Francisco CA; M.D. Anderson Cancer Center, Houston, TX; NeoPharm Inc., Lake Forest, IL; Center for Biologics Evaluation and Research, U.S. FDA, Bethesda, MD; memorial Sloan-Kettering Institute, New York, NY; Yale University School of Medicine, New Haven, CT. Convection-Enhanced Delivery (CED) by Positive Pressure Infusion for Intra-tumoral and Peri-tumoral Administration of IL13-PE38QQR a Recombinant Tumor-Targeted Cytotoxin in Recurrent Malignant Glioma. EANO meeting, 2002.
120. Piepmeier J: Genomic instability in the origin of glioblastomas. Annual meeting of the Academy of Neurological Surgeons. November 2002, Scottsdale, AZ.
121. Piepmeier J: Current therapy for malignant gliomas. Invited Moderator. Annual meeting of the Congress of Neurological Surgeons, Philadelphia PA, 2002
122. Piepmeier J: Surgical management of intraventricular tumors. Visiting Professor, University of Texas, Dallas TX, 2003.
123. Piepmeier J: Genomic instability in glioblastoma. Visiting Professor, University of Texas, Dallas, 2003.
124. Piepmeier J: Management of low-grade gliomas. AANS Annual Meeting, Invited Lecture, San Diego CA, 2003
125. Piepmeier J: Management of glioblastoma. AANS annual meeting, Invited Lecture, San Diego CA, 2003.

126. Lally B, Lacy J, Piepmeier J, Baehring J, Fisher D, Knisely J: Survival analysis for patients with primary brain tumors treated with temozolomide. Annual Meeting of the ASCO, Proc Am Soc Clin Oncol 22: 113, 2003.
127. Piepmeier J: Current concepts in low-grade gliomas. Invited Moderator, AANS Annual Meeting, San Diego CA, 2003.
128. Piepmeier J: Intraventricular tumors. Visiting Professor, Memorial Sloan Kettering Hospital. New York, New York, 2003.
129. Kunwar S, Prados M, Land F, Fleming C, Aldape K, Gutin P, Piepmeier J, Berger M, McDermott M, Puri R: Intratumoral and peritumoral convection-enhanced delivery of IL13-PE38QQR, a recombinant tumor-targeted cytotoxin in a recurrent malignant glioma phase I trial. AANS Annual Meeting, San Diego CA, 2003.
130. Piepmeier J: Case studies in neuro-oncology. Invited Presentation, Neurosurgical Society of America Annual Meeting, Sunriver Oregon, 2003.
131. S. Kunwar, M. Prados, S. Chang, F.F. Lang, J.M. Piepmeier, P.H. Gutin, A. Grahm, D. Croteau, J.L. Dul, R.K. Puri; Convection-enhanced regional delivery of IL13-PE38QQR for treatment of recurrent malignant glioma: importance of accurate catheter placement for patient outcome ASCO annual meeting, 2004.
132. Piepmeier J: Over-expression and identification of a glioma specific isoform of BEHAB. Visiting Professor, Stanford University, 2004.
133. Piepmeier J: Surgery for deep lesions in the brain. Visiting Professor University of Vermont, 2004.
134. Piepmeier J: Management of glioblastoma. AANS Annual Meeting, Invited Lecture, Orlando FL, 2004.
135. Piepmeier J: Management of low-grade gliomas. AANS Annual Meeting, Invited Lecture, Orlando FL, 2004.
136. Piepmeier J: State of the art management of low-grade gliomas. Invited Moderator AANS Annual Meeting. Orlando FL, 2004.
137. Piepmeier J: Genomic instability and the origin of glioblastoma. Invited presentation, Turkish Neurosurgical Society, Antalia, Turkey, 2004.
138. Piepmeier J: Salvage techniques for intracranial surgery, getting out of trouble. Invited Presentation, CNS annual meeting San Francisco, CA 2004
139. Piepmeier J: Oligodendrogliomas. Mount Sinai Symposium. Update on neurosurgery. Invited lecture, New York, 2004
140. Piepmeier J: Surgical management of intraventricular tumors. Visiting Professor, LSU, Shreveport, LA 2005.
141. Piepmeier J: Current management of high-grade gliomas. Invited presentation, AANS annual meeting, New Orleans, LA 2005
142. Piepmeier J: Current management of low-grade gliomas. Invited presentation, AANS annual meeting, New Orleans, LA 2005

143. Kunwar s, Lang F, Prados M, Chang S, Adalpe K, Piepmeier J, Gutin P, Croteau D, Dul J, Puri R: Convection enhanced delivery (CED) of IL13-PE38QQR: Results of a multicenter phase I study in recurrent malignant glioma. AANS annual meeting, New Orleans, LA 2005
144. Piepmeier J: Malignant brain tumors: State of the art treatment. Invited moderator. AANS annual meeting, New Orleans, LA 2005
145. Piepmeier J: State of the art treatment for low-grade gliomas. Invited moderator. AANS annual meeting, New Orleans, LA 2005
146. Piepmeier J: Tumor neurosurgery: Meet the experts. Invited presentation. AANS annual meeting, New Orleans, AL 2005
147. Piepmeier J: Surgical management of intraventricular tumors. Visiting Professor, Columbia University, New York, NY 2005.
148. Piepmeier J: Controversies in the current management of metastatic brain tumors. Invited discussant, Annual Meeting of the NSA, Orlando, FL 2005.
149. Piepmeier J:Literature in review: Translational Science. Invited lecture, CNS Annual Meeting, Boston, 2005.
150. Piepmeier J: Update on low-grade gliomas: Metabolic and functional imaging in the management of low-grade gliomas. Invited lecture, CNS Annual Meeting, Boston, 2005.
151. Piepmeier J: Current management of low-grade gliomas. Invited lecture AANS annual meeting, San Francisco, CA 2006
152. Piepmeier J: Update on therapy for Glioblastoma. Invited lecture AANS annual meeting, San Francisco, CA 2006
153. Piepmeier J: State of the art therapy for gliomas Invited moderator AANS annual meeting, San Francisco, CA 2006
154. PiepmeierJ: Surgery for lateral ventricular tumors. Invited speaker AANS annual meeting Chicago, IL 2006
155. Piepmeier J: Neurosurgery literature in review. Neuro-oncology Invited speaker AANS annual meeting Chicago, IL 2006
156. Piepmeier J: Surgery vs. radiosurgery for recurrent malignant gliomas. Invited speaker AANS annual meeting Chicago, IL 2006
157. Piepmeier J: Surgery for infiltrative brain tumors. 1<sup>st</sup> annual neuron-oncology comprehensive update. Yale University 2006.
158. Piepmeier J: State of the art treatment for high-grade gliomas. Invited moderator. AANS annual meeting, Washington DC, 2007
159. Piepmeier J: State of the art treatment for low-grade gliomas. Invited moderator. AANS annual meeting, Washington DC, 2007
160. Piepmeier J: Current management of high-grade gliomas. Invited presentation, AANS annual meeting, New Orleans, LA 2005

161. Piepmeier J: Current management of low-grade gliomas. Invited presentation, AANS annual meeting, New Orleans, LA
162. Piepmeier J: Glial cell ontogeny and glioma-specific targets. Bittner Award Lecture. AANS annual meeting, Washington DC, 2007.