

**Baptist Health South Florida
Florida International University**

CURRICULUM VITAE

NAME: Michael W McDermott, MD

POSITIONS: Chief Physician Executive, Miami Neuroscience Institute
Professor of Neurosurgery and Translational Medicine
Chair, Division of Neuroscience
Herbert Wertheim College of Medicine
Florida International University

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EDUCATION

1976 - 1978	University of Toronto	B.S.	Chemistry
1978 - 1982	University of Toronto	M.D.	
1982 - 1983	St. Michael's Hospital, Toronto, Ontario	Mixed Internship	
1983 - 1988	University of British Columbia	Residency	Neurosurgery
1988 - 1989	University of California, San Francisco	Clinical Instructor	Neuro-Oncology
1989 - 1990	University of California, San Francisco	Fellow	Research

LICENSES, CERTIFICATION

1982	Licensure of the Medical Council of Canada (LMCC)
1987	Federation Licensure Exams (FLEX)
1988	Royal College of Surgeons of Canada
1988	Medical Licensure, California
	British Columbia College of Physicians and Surgeons
1988 - present	Medical Licensure, State of California (A44736, DEA 3365839)
1988	American Board of Neurological Surgery, Part 1
1998	American Board of Neurological Surgery, Part 1
2003	American Board of Neurological Surgery, Oral Boards Certificate #23078

03/1988 American Board of Neurological Surgery, Part 1
 1988 Royal College of Surgeons of Canada, Written and Oral Examinations in Neurosurgery, passed and board certified,
 05/2003 American Board of Neurological Surgery, Oral Boards #23078
 04/2020 Medical Licensure State of Florida License # ME143472

PRINCIPAL POSITIONS HELD

07/1990 - 09/1992	University of British Columbia	Assistant Clinical Professor	Neurosurgery
09/1992 - 06/1996	University of California, San Francisco	Assistant Clinical Professor	Neurological Surgery
11/1992 - present	University of California, San Francisco	Brain Tumor Research Center Associate	Neurological Surgery
07/1996 - 07/1998	University of California, San Francisco	Assistant Professor In Residence	Neurological Surgery
1998 - 1998	University of California, San Francisco	Collaborating Faculty with Joint Academic Appointments	Radiation Oncology
07/1998 - 07/2004	University of California, San Francisco	Associate Professor In Residence	Neurological Surgery
07/2000 - 06/2003	University of California, San Francisco	Vice-Chairman	Neurological Surgery
2004 - 2004	University of California, San Francisco	Professor In Residence- Step 3	Neurological Surgery
07/2003 - 07/2008	University of California, San Francisco	Vice-Chairman, Clinical Programs, Robert and Ruth Halperin Chair in Meningioma Research	Neurological Surgery
2007 - 2007	University of California, San Francisco	Collaborating Faculty with Joint Academic Appointments	Otolaryngology, Head & Neck Surgery
07/2008 – 02/2020	University of California, San Francisco	Vice Chairman, Clinical Programs, Wolfe Family Endowed Professor in Meningioma Research	Neurological Surgery

03/2020-Present	Florida International University	Chief Physician Executive, Professor of Neurosurgery and Translational Surgery, Chair, Division of Neuroscience	Neurological Surgery
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OTHER POSITIONS HELD CONCURRENTLY

07/1990 - 09/1992	British Columbia Cancer Agency	Consulting Staff	
07/1990 - 09/1992	British Columbia Children's Hospital	Consulting Staff	
07/1990 - 09/1992	University Hospital	Consulting Staff	
07/1990 - 09/1992	Vancouver General Hospital	Active Staff	
09/1992 - Present	University of California Medical Center	Attending Staff	Neurological Surgery
09/1992 - Present	San Francisco General Hospital	Consulting Staff	Neurological Surgery
12/1994 - Present	Mt. Zion Medical Center	Consulting Staff	Neurological Surgery
09/1992 - Present	VA Medical Center	Consulting Staff	Neurological Surgery
05/2010 - 05/2011	Kaiser Sacramento/Roseville	Consulting Staff	Neurological Surgery
03/2011 - 2014	Saint Francis Memorial Hospital	Consulting Staff	Neurological Surgery
06/2011 - 2014	Saint Mary's Medical Center	Consulting Staff	Neurological Surgery
04/2012 - 2014	Marin General Hospital	Consulting Staff	Neurological Surgery
03/2020 - Present	Baptist South Miami	Consulting Staff	Neurological Surgery
03/2020	Miami Cancer Institute	Consulting Staff	Neurological Surgery

HONORS AND AWARDS

1991	Master Teacher in Surgery Award	Department of Surgery, University of British Columbia
1995	Harold Rosegay Resident Teaching Award	University of California, San Francisco, Department of Neurological Surgery

2003	Senior author on Mahaley Award winning paper by Dr. Ware	AANS
2004	Senior author Journal of Neuro-Oncology award winning paper by Dr. J. Smith	AANS
2004	Co-author, Bittner Award winning paper by Dr. A. Quniones	AANS
2018	Co-author Tumor Paper of the Year CNS, paper by Stephen Magill	

KEYWORDS/AREAS OF INTEREST

Meningiomas, Skull base tumors and Radiosurgery

PROFESSIONAL ACTIVITIES

MEMBERSHIPS

1983 - 1994	Canadian Medical Association
1983 - 1994	British Columbia Medical Association
1988 - 1994	Fellow, Royal College of Physicians and Surgeons of Canada
1989 - 1994	Canadian Neurosurgical Society
1994 - present	American Association of Neurological Surgeons
1990 - present	AANS Joint Section on Tumors
1994 - 2003	AANS Joint Section on Stereotactic and Functional Neurosurgery
1993 - 2003	Foundation for International Education in Neurological Surgery
1994 - 2020	California Neurosurgical Society
1994 - 2020	San Francisco Neurological Society
1994 - present	North American Skull Base Society
1994 - 2003	American Society of Stereotactic and Functional Neurosurgery
1994 - 2003	International Society for Functional & Stereotactic Neurosurgery
1998 - Present	Society for Neuro-oncology
2000 - Present	Congress of Neurological Surgeons
2002 - Present	International Stereotactic Radiosurgery Society
2008- Present	International Meningioma Society
2010 - Present	The American Academy of Neurological Surgery
2020 - Present	Florida Neurological Society

SERVICE TO PROFESSIONAL ORGANIZATIONS

1998 - 2001	Joint Section on Tumors AANS/CNS	Membership Chairperson
2004 - 2004	Society for Neuro-oncology Meeting	Local Site Arrangements
1999 - 1999	First Annual UCSF Radiosurgery CME Course	Course Director
1999 - 1999	Joint Section on Tumors, Congress of Neurological Surgeons Meeting	Program Chair
2000 - 2000	AANS/CNS Section on Tumors Satellite Meeting	Local Site Arrangements
2000 - 2000	Leksell Gamma Knife Society / Meeting	Co - Chair with Dr. D. A. Larson
2000 - 2010	Congress of Neurological Surgeons Meeting	Reviewer of Scientific Abstracts
2001 - Present	Joint Section on Tumors AANS/CNS	Awards Chairperson
2001 - 2003	San Francisco Neurological Society	Secretary Treasurer
2001 - 2005	International Stereotactic Radiosurgery Society Executive Committee	Education Committee
2007 - 2007	ISNS 2007 Meeting	Co-Chair
2002 - Present	AANS/CNS Section on Tumors	Abstract Reviewer
2000 - 2004	Leksell Gamma Knife Society	Abstract Reviewer
2003 - 2004	San Francisco Neurological Society	President, Elect
2007 - 2009	AANS/CNS Section on Tumors	Chairman
2009 - 2009	Section on Tumors/ SNO Satellite Meeting	Co-Chair
2009 - 2009	Neuro-oncology for NEUROSURGERY	Associate Editor
2013 - 2013	ABNS Fall Oral Exams	Guest Examiner
2013 - Present	American Academy of Neurological Surgery	Member at Large
2013 - Present	Society of Neurological Surgeons	Board Member
2015 - 2016	Society of Neurological Surgeons	Chair, Nominating Advisory Committee
2017 - 2019	CNS SANS Written Board Review Course	Co-Director
2017 - 2019	CNS SANS Oral Boards Review Course	Participant
2015 - 2019	AAcNS Scientific Program	Committee Member
2018 - 2018	ABNS Fall Oral Exams	Guest Examiner

2018 - 2018	19th Leksell Gamma Knife Society Meeting, Dubai, UAE	Abstract Reviewer
2020-2022	AANS Advisory Board	International Ambassador
2020-2022	EANS Advisory board	International Ambassador
2020-2022	AANS/CNS Tumor section	SANS Board Member Representative

SERVICE TO PROFESSIONAL PUBLICATIONS

1993 - 1995	Cancer Research
1993 - present	Neurosurgery
1997 - 2000	The Journal of Radiosurgery
1998 - present	American Journal of Neuroradiology
1998- present	Neurosurgical Focus
1999 - present	Select Reviews in Neuro-Oncology
2000 - 2016	Surgical Neurology
2006 - present	Journal of Neuro-Oncology
2009 - present	Neurosurgical Review
2010 - present	World Neurosurgery
2000 - present	Neurosurgical Reviews
2011 - present	PeerEMed
2012 - 2012	Reviewer of manuscripts for PLOS ONE
2016- present	Cureus

INVITED PRESENTATIONS - INTERNATIONAL

2002	Canadian Congress of Neurological Surgeons meeting “Stereotactic radiosurgery for gliomas: targeting and follow up with MR Spectroscopy” “SRS for Metastases II: The Role of Whole Brain Irradiation”	Invited Speaker
2003	Invited speaker, Canadian Brain Tumor Consortium “Update on Surgical Treatments for High and Low Grade Gliomas” Lake Louise, Alberta	Invited Speaker
2003	IRSA (International Radiosurgery Association), Kyoto, Japan 1). Radiosurgery for AVMs: What have we learned from pathology 2). Radiosurgery for recurrent gliomas	Invited Speaker

2003	ISRS Breakfast Seminar III "What can we learn from pathology?" - AVMS	Invited Speaker
2003	ISRS Breakfast Seminar VI "Malignant Glioma: Radiotherapy, Radiosurgery or both?" - Moderator	Invited Speaker
2003	13th Annual Meeting of the Korean Brain Tumor Society Scientific Program Special Lecture 1). Interstitial brachytherapy for recurrent atypical & malignant meningiomas 2). Radiosurgery for brain metastases: where do we stand?	Guest Lecturer
2003	2nd Meeting of the Asian Society of Neuro-Oncology Seoul, South Korea Symposium, What's New in the 21st Century (II) "The Role of Radiosurgery for Malignant Glioma"	Symposium Speaker
2004	Leksell Gamma Knife Society 12th International Meeting, Vienna, Austria "Gamma knife radiosurgery for intracranial meningiomas: The UCSF Experience" "Late results of volume staged radiosurgery for large AVMS"	Invited Speaker
2004	Canadian Congress of Neurological Sciences Meeting "Late results of volume stage radiosurgery for large AVMS"	Invited Speaker
2004	University of Calgary, Neurosurgery Grand Rounds "Irradiating AVMS: An update" Clinical Case Conference	Grand Rounds Speaker
2005	World Federation of Neurosurgical Societies 13th World Congress of Neurological Surgery WBS14 Unresectable Meningiomas, speaker	Invited Speaker
2006	Clinica los Condes, Santiago, Chile Neuro-oncology Course "Role of surgery in the management of high grade gliomas"	Guest Faculty
2006	Neurosurgery Grand Rounds University of Manitoba, Winnipeg, MB, Canada "Radiosurgery for AVMS"	Grand Rounds Guest Speaker
2006	Meningiomas and the Cerebral Venous System Fujiyoshida City, Japan "Meningiomas: Bench to bedside"	Invited Speaker
2006	Meningiomas and the Cerebral Venous System Fujiyoshida City, Japan "The not signaling pathway: implications for progression from benign to malignant meningioma"	Invited Speaker
2006	Meningiomas and the Cerebral Venous System Fujiyoshida City, Japan "Falcotentorial meningiomas; surgical results using a combined supra- infratentorial torcular craniotomy"	Invited Speaker

2008	Ankara, Turkey “Current management of malignant gliomas: techniques for modern day glioma surgery, radiation, and chemotherapy”	Guest Speaker
2009	Egyptian Society of Neurological Surgeons [ESNS] 34th Annual Meeting of Egyptian Society of Neurological Surgeons (ESNS) “Pre-operative Factors Affecting Resectability of Giant Intracranial Meningiomas” “Modified far lateral craniotomy for large posterior fossa tumors” “A new prognostic scoring system for hemispheric low-grade gliomas”	Invited Speaker
2010	Neuro-Oncology Symposium, Pachuca, Mexico “Image guided surgery and functional brain mapping in glioma surgery” “Using advanced imaging techniques for tumor identification, diagnosis, mapping, and treatment effects” “Radiosurgery vs. Radiotherapy in the treatment of meningiomas” “Radiosurgery results for the treatment of brain metastases” “Radiotherapy and Radiosurgery for benign meningioma and recurrent malignant meningiomas”	Symposium Guest Speaker
2010	Mexican Society of Neurological Surgery/Neuro-oncology Tuberculum sellae meningioma surgical approaches and modern day results	Invited Speaker
2010	3rd International Congress of Minimally Invasive Neurosurgery Guadalajara, Mexico “Treating giant AMV’s by radiosurgery in different times, the UCSF experience” “Gamma Knife radiosurgery for sellar tumors” “Is radiosurgery for meningioma the best?” “A new radiosurgery protocol for recurring glioma, historic background facts and preliminary results” “Neuroendoscopy vs. microsurgery to treat colloidal cyst of the third ventricle”	Guest Speaker
2010	15th International Meeting of the Leksell Gamma Knife Society Athens, Greece “Factors Influencing Freedom from Progression of Meningiomas Treated with Gamma Knife Surgery” “Volume Stage of Radiosurgery for large AVMs”	Invited Speaker
2010	XXVIII Brazilian Congress of Neurosurgery and VII International Congress on Meningiomas and Cerebral Venous System Salvador City, Brazil “Malignant Gliomas Guidelines: Implications for Modern Day Practice” Radiosurgery as a Primary Treatment “Meningiomas Involving the Torcula - How to deal with it” “Residual Tumor - How can we protect the brain stem from radiation effects?”	Invited Speaker

2010	Outreach, Philippines/Hong Kong Makati Medical Center, Philippines "Multi-disciplinary management of complex and malignant meningiomas" Update on Gliomas	Invited Speaker
2010	Surgical Approaches to the brainstem Queen Mary Hospital, Hong Kong "Multi-disciplinary management of complex and malignant meningiomas"	Invited Speaker
2011	Neurosciences Grand Rounds The University of British Columbia, Vancouver, Canada "The Role of Radiosurgery in the Management of Benign and Malignant Brain Tumors"	Grand Rounds Guest Lecturer
2011	34th Annual B.C. Neuroscience Academic Day PD Moyes Lectureship The University of British Columbia, Vancouver, Canada "Meningiomas: Results from a Single Institution Experience 1992-2010"	Guest Lecturer
2011	10th Biennial Congress and Exhibition of the International Stereotactic Radiosurgery Society (ISRS), Paris, France	Invited Speaker
2011	Course in Microscopic and Endoscopic Approaches to the Skull Base Taiwan "Surgery in and around the cavernous sinus" "Surgical strategy for petroclival meningiomas" "Endoscopic approach to the skull base: UCSF experience"	Guest Faculty
2011	EANS 2011 14th European Congress of Neurosurgery, Rome, Italy AANS/CNS/EANS Sections on Tumors: "New Initiatives for Cooperation in Education and Clinical Research"	Invited Speaker
2012	16th Annual Leksell Gamma Knife Society Meeting Sydney, Australia "Emerging techniques and strategies in the radiosurgical treatment of primary malignant gliomas – a comprehensive review"	Invited Speaker
2012	AANS Kuwait Visiting Scholar's Program Kuwait	Guest Faculty
2012	5th Annual Microscopic and Endoscopic Approaches for the Skull Base course "Meningioma case presentation— Sphenoid Wing" Taiwan	Guest Faculty
2012	Cambridge Lectures in Neurosurgical Anatomy "Posterior petrous face meningiomas" "Petroclival meningiomas"	Guest Lecturer
2013	ISRS Annual Meeting, Toronto, Canada	Invited Speaker
2013	WFNS World Congress of Neurosurgery, Seoul, Korea, "Review of Recent Publications for UCSF Meningioma Surgical Experience."	Invited Speaker
2013	EANS 2013 Annual Meeting, Tel Aviv, Israel "Management of Aggressive Recurrent Meningiomas"	Invited Speaker

2014	EANS 2014 Annual Meeting, Prague; "Surgical Resection and Interstitial 125I Brachytherapy for Recurrent High Grade Meningiomas: A 25-year series"	Invited Speaker
2014	EANS 2014 Annual Meeting, Prague; "Volume-Staged Radiosurgery for Large, Grade 3-4-5 AVMs"	Invited Speaker
2014	Radiosurgery Practical Course, Marseille, France; "Review of Radiosurgery for AVMs"	Invited Speaker
2014	Radiosurgery Practical Course, Marseille, France; "Radiobiology of Radiosurgery & Clinical Applications."	Invited Speaker
2014	Radiosurgery Practical Course, Marseille, France; "Radiosurgery for Meningiomas: An Overview"	Invited Speaker
2015	WFNS World Congress of Neurosurgery, Rome, Italy, "Surgery and Radiosurgery for Skull Base Meningiomas"	Invited Speaker
2015	WFNS World Congress of Neurosurgery, Rome, Italy, "Surgery and Brachytherapy for Recurrent Meningiomas"	Invited Speaker
2016	World Skull Base 2016, Osaka, Japan, "Anterior Clinoidal Meningiomas: Clinicoradiological Features and Surgical Outcome"	Guest Speaker
2016	World Skull Base 2016, Osaka, Japan, "Classification of Tuberculum Sellae Meningiomas and Outcomes Based on Scoring and Surgical Approach"	Guest Speaker
2018	Leksell Gamma Knife Society Meeting, Dubai, UAE. "Long Term Follow-up on Volume Staged SRS for AVMs"	Guest Speaker
2018	Leksell Gamma Knife Society Meeting, Dubai, UAE. "Impact of pre-treatment tumor growth on tumor control for vestibular Schwannomas following Gamma Knife radiosurgery: A Retrospective volumetric study"	Guest Speaker
2018	Leksell Gamma Knife Society Meeting, Dubai, UAE, "Long Term Follow-up on Volume-staged SRS for AVMs"	Guest Speaker
2019	AANS Meeting, Rome, Italy "Dominant Hemisphere Temporal Lobe Surgery form Glioma: Is Asleep Surgery Safe?"	Guest Speaker
2019	SINcH Neurosurgical Society, Serbia, Belgrade, "Hyperostosing Sphenoid Wing Meningioma: Focus on Orbital /Ocular Outcomes"	Guest Speaker
2020	International Radiosurgery Research Foundation (ZOOM) "Meningiomas: Clinical Research Design- What are the Key Questions to Address?"	Invited Speaker

INVITED PRESENTATIONS - NATIONAL

2000	AANS Meeting "Radiosurgery for malignant meningiomas results in 22 patients"	Invited Speaker
2001	AANS Seminar 309 Management of the difficult meningioma; radiotherapy options "Radiosurgery for Cystic Hemangioblastoma: Effect on Adjoining Cyst"	Invited Panel Member
2001	International Stereotactic Radiosurgery Society Meeting "Complications of radiosurgery for cavernous sinus meningiomas"	Invited Speaker
2001	Society of Neuro-oncology Meeting "Characterization of human glioma through correlations of pathology, magnetic resonance spectroscopy and comparative genomic hybridization. New Technologies in the OR;" "Frameless Stereotaxy: Indications and Utility"	Invited Speaker
2002	AANS Meeting "Gamma Knife Radiosurgery for Recurrent High Grade Gliomas"	Invited Speaker
2002	CNS Luncheon Seminar	Invited Speaker
2002	Brain Metastases Society of Neuro-oncology Meeting Surgical advances ion nervous system tumors: current literature on the role of surgery for low and high grade gliomas and intraoperative techniques	Invited Speaker
2002	Otolaryngology Grand Rounds, Utah Update on the Results of Gamma Knife Radiosurgery for Acoustic Neuroma	Guest Grand Rounds Lecturer
2003	AANS Practical Course #014 Radiosurgery: The Art & Science of Dose Planning "Radiosurgery for Malignant Tumors"	Invited Speaker, Panel Member
2003	AANS Practical Course "Malignant Gliomas" Update on tumors for the general neurosurgeon; radiotherapy options	Invited Speaker
2003	AANS Breakfast Seminar #412 "The Spectrum of Adjuvant Therapy for Brain Tumors: Brachytherapy & Radiosurgery"	Invited Speaker
2003	ABNS (American Board of Neurological Surgery) Houston, TX Preparation course Plenary session: Update on gliomas	Guest Faculty
2003	Society for Neuro-oncology meeting "Meningiomas: Surgical treatment"	Invited Speaker
2004	AANS Breakfast Seminar #222 The Spectrum of Adjuvant Therapy for Brain Tumors: Brachytherapy & Radiosurgery	Invited Speaker
2004	Lovelace Clinic, Albuquerque, NM Radiosurgery conference "Radiosurgery for AVMs"	Invited Speaker

2004	Lovelace Clinic Albuquerque, NM Radiosurgery Update "Radiosurgery for intracranial meningiomas: The UCSF experience" "Radiosurgery for trigeminal neuralgia	Invited Speaker
2004	Congress of Neurological Surgeons "Update on tumors for the general neurosurgeon: Convex defalks and parasagittal meningiomas treatment options and results"	Invited Speaker
2005	UCB PHARMA Carmel, CA "Neurosurgery at UCSF and peri-operative seizures in neurosurgical patients"	Guest Grand Rounds Speaker
2005	AANS annual meeting Update on tumors for the general neurosurgeon; radiotherapy options "Radiosurgery: The art and science of dose planning" "The role of radiosurgery for malignant glioma treatment planning with MRS"	Invited Speaker
2005	Breakfast Seminar 320 "Techniques for modern day glioma surgery and results of the glioma outcome project publications"	Invited Speaker
2005	Moffitt Cancer Center, Tampa, FL Overview of radiosurgery; Program at UCSF	Invited Speaker
2005	91st Clinical Congress American College of Surgeons "Surgical management and radiation options for brain metastases" Radiation Therapy Techniques for Brain Metastases	Invited Speaker
2005	American Society of Ophthalmic Plastic and Reconstructive Surgery Meningiomas of the orbital region; treatment options and outcome	Invited Speaker
2006	American Pharmacy Association Gamma Knife Radiosurgery: History, Technique, indications, results	Invited Speaker
2006	74th Annual Meeting of the American Association of Neurological Surgeons (AANS), 026 Update on tumors for the general neurosurgeon; radiotherapy options, - participated as faculty, 103 Suprasellar Tumors- panelist, 120 Spectrum of Adjuvant Therapy for Brain Tumors- panelist, Scientific Session I-Tumor- GS moderator, 220 Contemporary Surgical Approaches and Complications to the Lateral Skull Base- panelist, AANS/CNS Section on Tumors I- GS Moderator, 404 Tumor Neurosurgery: Meet the Experts- Panelist	Invited Speaker
2006	16th Biennial International Brain Tumor Research and Therapy Meeting	Invited Speaker
2006	UCLA Neurosurgery Grand Rounds "Surgical approaches for anterior cranial based meningiomas affecting vision"	Grand Rounds Guest Speaker

2006	UCLA Neuroscience Grand Rounds “Meningiomas: bench to bedside”	Grand Rounds Guest Speaker
2006	Leksell Society Meeting “Radiosurgery for other benign neuro-epithelial tumors”	Invited Speaker
2006	UC San Diego, Department of Neurosurgery Grand Rounds “Radiosurgery and the treatment of brain tumors”	Grand Rounds Guest Speaker
2006	38th Annual Meeting of the Western NeuroRadiological Society, Advances in brain tumor therapy, Radiosurgery for brain lesions	Invited Speaker
2006	Congress of Neurological Surgeons Meeting Seminar T 24 title “Management of low grade gliomas; current strategies and dilemmas”	Invited Speaker
2006	Congress of Neurological Surgeons “Falctentorial meningiomas; surgical results using a combined super-intratentorial torcular craniotomy”	Invited Speaker
2007	AANS Washington D.C. “Suboccipital far lateral craniotomy: complication avoidance”, “Role of radiosurgery for gliomas and review of GO project publications”, “Techniques for modern day glioma surgery and review of GO project publications”, “Update on tumors for the general neurosurgeon; radiotherapy options”, “Suprasellar tumors: bifrontal extended frontal approach”, “Open vs. endoscopic surgical strategies in approaches to the anterior skull base”, “Suboccipital far-lateral craniotomy complication avoidance”	Invited Speaker
2007	Johns Hopkins University, Baltimore, MD Department of Neurosurgery Grand Rounds “Current role of radiosurgery in neurosurgical practice: training, clinical results, program value”	Grand Rounds Guest Lecturer
2007	Brigham and Women’s Neuro-oncology Conference, Boston, MA “A new preoperative grading system for hemispheric low grade gliomas”	Invited Speaker
2007	The 2007 International Conference on Glioma Research and Therapy Scientific Program, Glioma Classification, Boston, MA “New Grading Scale for Low Grade Gliomas”	Invited Speaker
2007	Congress of Neurological Surgeons Annual Meeting Current management of meningiomas; benign and malignant	Invited Speaker
2007	Congress of Neurological Surgeons Meeting Radiosurgery Practical Course Perfexion Gamma Knife Radiosurgery system	Invited Speaker

2008	California Association of Neurological Surgeons Annual Meeting Anaheim, CA	Invited Speaker
2008	Neurological Institute of New York Columbia University, New York, NY "Surgical Experience with intracranial meningiomas"	Invited Speaker
2008	Allegheny General Hospital, Pittsburgh, PA "Meningiomas of the orbital region; treatment options and outcome"	Invited Speaker
2008	AANS Annual Meeting, Chicago, IL Update on tumors for the general neurosurgeon; radiotherapy options	Invited Speaker
2008	AANS Annual Meeting "Juxtaseilar and suprasellar tumors of: extended bifrontal approach for meningiomas"	Invited Speaker
2008	Leksell Society Meeting "Radiosurgery facilitates brain AVM resection and reduces surgical morbidity" Special Topic Review: Malignant glioma radiosurgery	Invited Speaker
2008	Columbia University, New York Department of Neurosurgery Surgical experience with intracranial meningiomas	Invited Speaker
2008	Neurosurgery Grand Rounds NYU Columbia Department of Neurosurgery Surgical Experience with Intracranial Meningiomas	Guest Grand Rounds Lecturer
2008	Western Neurosurgical Society Anchorage, AK CNS Tumor Symposium – Intracranial meningiomas	Invited Speaker
2008	8th Bi-Annual Meningiomas in the cerebral venous system Boston, MA Meningioma progression Meningioma; decision making in the USA Middle fossa meningiomas	Invited Speaker
2008	Congress of Neurological Surgeons Meeting, Orlando, FL Tumor IML: The role of radiation therapy in the management of low-grade gliomas Seminar W 49 Current management of meningiomas benign and malignant	Invited Speaker, Panel Member
2008	CNS Radiosurgery Practical Course	Guest Faculty
2008	Third Annual Northwestern Radiosurgery Symposium Chicago, IL "Current role of radiosurgery in treatment of brain metastases"	Invited Speaker
2009	AANS Annual Meeting San Diego, CA "Suprasellar tumors: tuberculum meningiomas"	Invited Speaker
2009	World Federation of Neurological Surgeons (WFNS), Boston, MA 201 Breakfast session: High grade gliomas: management options 308 Predicting growth rate in skull base tumors: dream or reality	Invited Speaker, Panel Member

2009	Neuro-Oncology Update Course, University of Ohio Columbus, OH "Skull base tumors: meningiomas"	Invited Speaker
2009	2009 Joint Meeting of the Society for Neuro-Oncology and the ANS/CNS section on tumors, New Orleans, Louisiana "The role of radiosurgery and brachytherapy on for recurrent malignant meningiomas"	Invited Speaker
2009	ROSE- Radiosurgery of Open Surgery for Epilepsy Investigators' meeting New Orleans, Louisiana A phase 3 controlled trial for the surgical treatment of mesial temporal lobe epilepsy	Invited Speaker
2009	AANS Annual meeting Palm Beach, Florida "Tuberculum Sellae Meningiomas: Surgical Approaches & modern day results"	Invited Speaker
2009	Brigham Women's Brain Tumor Update Course Boston, MA Outcomes from brain tumor surgery- unpublished data for meningiomas Meningioma Biology	Invited Speaker
2010	78th AANS Annual Meeting, Philadelphia, PA "Controversies in the treatment of craniopharyngioma": Seminar moderator and speaker Update on brain tumors course- Meningiomas of the skull base	Seminar Moderator and Speaker
2010	Fourth Annual Microscopic / Endoscopic Skull Base Surgery Course Allegheny General Hospital, Pittsburgh, PN Meningiomas Case Presentation	Guest Presenter
2010	The Queen's Medical Center Neuroradiology Conference The Queen's Conference Center, Hawaii "Radiosurgery vs. Whole Brain Irradiation for Brain Metastases: Current Status"	Invited Speaker
2011	Neuro-Oncology Symposium, The University of Texas Health Science Center at Houston, Houston, TX Keynote Lecture: "Surgical Aspects of Neuro-Oncology"	Keynote Lecturer
2011	2011 Annual Meeting of the Neurosurgical Society of America, Kona, Hawaii "Surgical Results for Clinoid Meningiomas"	Invited Speaker
2011	2011 AANS Annual Scientific Meeting, Denver, CO	Invited Speaker
2011	AANS webinar on Operative Grand Rounds Discussant in "Difficult-to-Resect Parafalcine Meningiomas: Pearls and Pitfalls"	Grand Rounds Guest Speaker
2011	Society of Neurological Surgeons 102nd Meeting Oregon Health & Science University, Portland, Oregon	Invited Speaker
2011	IMRIS Neurosurgery Users Meeting, St. Louis, MO	Invited Speaker

2011	2011 Western Neurosurgical Society Meeting, Kauai, Hawaii "Results of Lumbar-Peritoneal Shunts for the Treatment of Normal Pressure Hydrocephalus"	Invited Speaker
2011	Congress of Neurological Surgeons 2011 Annual Meeting, Washington, D.C. Low Grade Glioma "Neuro-Oncology and Radiosurgery: Current Indications and Controversies"	Invited Speaker, Panel Member
2011	The 16th Annual Scientific Meeting of the Society for Neuro-Oncology In Collaboration with the AANS/CNS Section on Tumors Orange County, CA	Invited Speaker
2012	12th Annual International Meeting on Simulation in Healthcare (IMSH) San Diego, CA	Invited Speaker
2012	2012 AANS Annual Scientific Meeting, Miami, FL	Invited Speaker
2012	The Society of Neurological Surgeons Annual Meeting Emory University, Atlanta, GA	Invited Speaker
2012	2012 NSA Meeting, Park City, Utah "Emerging Techniques and Treatment Strategies for Radiosurgery of Recurrent Malignant Gliomas"	Invited Speaker
2012	SNS Boot Camp Fundamental Skills Course Oregon Health and Science University, Portland, OR	Guest Faculty/Instructor
2012	CME lecture-University Medical Center Brackenridge, Austin, TX "Update on Treatment of Brain Metastases: role of radiosurgery" "Volume Staged Radiosurgery for Large AVMs"	Guest Lecturer
2012	Microscopic and Endoscopic Approaches to the Skull Base Course "Surgery in and around the Cavernous Sinus" "Surgical Strategy for petroclival meningiomas" Pittsburgh, PA	Invited Speaker
2012	2012 CNS Annual Meeting Chicago, IL	Invited Speaker
2012	American Academy of Neurosurgical Surgery Annual Meeting "Volume-Staged Gamma Knife Radiosurgery for Large Arteriovenous Malformations" Cape Cod, MA	Invited Speaker
2012	8th International Congress on Meningiomas "Future of Meningioma Treatment as it relates to chemotherapy" "Surgery vs. Radiotherapy and Radiology for Cavernous Sinus Meningiomas" "How Morbid is Cavernous Sinus Surgery?" "Natural History of Atypical and Malignant Meningiomas" "Natural History of Meningiomas" Little Rock, AR	Invited Speaker
2012	2012 SNO Annual Meeting Washington, D.C.	Invited Speaker
2013	AANS Annual Meeting, New Orleans, LA	Invited Speaker

2013	SNS Annual Meeting, Boston, MA	Guest Faculty
2013	WNS 2013 Annual Meeting, Half Moon Bay, CA	Invited Speaker
2013	American Academy of Neurological Surgeons Annual Meeting, Newport Beach, CA "Early Treatment Provides Better Outcomes and Less Harm."	Invited Speaker
2013	Cleveland Clinic annual Brain Tumor Update and Intentional symposium, Las Vegas, NV	Invited Speaker
2014	BNI Neuro-Oncology Symposium, Phoenix, AZ	Invited Speaker
2014	SNO Annual Meeting, Miami, FL "Meningioma Session"	Invited Speaker
2015	North American Annual Skull Base Meeting, Tampa, FL, "Neuro-cognitive Outcomes - Innovative Care"	Invited Speaker
2015	University of Oklahoma Grand Rounds, Oklahoma City, OK	Invited Guest Lecturer
2015	American Academy of Neurological Surgery, "Introduction of American Academy President."	Invited Speaker
2015	American Academy of Neurological Surgery Annual Meeting "Review of Radiosurgery for Arteriovenous Malformations"	Invited Speaker
2015	SNS Annual Meeting, Miami, FL	Guest Faculty
2015	CNS Annual Meeting, "Results for Radiosurgery for Meningiomas"	Invited Speaker
2015	CNS Annual Meeting, "Optimal Management of Solitary Brain Metastases: Radiation or Surgery"	Moderator
2016	North American Skull Base Society Annual Meeting, Scottsdale, AZ "Tuberculum Meningioma Surgery Complications: Case Presentations and Discussion"	Invited Speaker
2016	North American Skull Base Society Annual Meeting, Scottsdale, AZ "Complications of Radio Surgery for Intracranial Meningiomas"	Invited Speaker
2017	CNS Boston Meeting, Boston, MA, "Management of Arteriovenous Malformations: Radiosurgical Treatment"	Invited Speaker
2018	North American Skull Base Society Annual Meeting, San Diego, CA, "Meningioma: Treatment and Quality of Life"	Invited Speaker
2018	NIH National Institute of Neurological Disorders and Stroke, Edward H. Holdfield MD Memorial Symposium, Bethesda, Maryland, "Meningioma Surgery at UCSF: Perspective from a Clinical/Collaborative Research Experience"	Invited Lecturer

2018	CNS Annual Meeting, Houston TX, "Management of AVMs: Radiosurgical Treatment - An Update	Invited Speaker
2018	NASBS Annual Meeting, Coronado, CA, "Meningioma: Treatment & Quality of Life"	Invited speaker
2018	SNO Annual Meeting, New Orleans, LA, "The Outcomes and Limits of Meningioma Surgery, Point Counter Point, Toe-to-Toe with Dr. Couldwell"	Invited Speaker
2018	AANS Annual Meeting, New Orleans, LA, "Volume-Staged Radiosurgery for Large AVMs: an evolving Paradigm"	Invited Speaker
2019	AANS/CNS Section on Tumors I - Precision Medicine for Meningiomas, San Diego, CA, Radiation of Atypical Meningiomas"	Invited Speaker
2019	SNS Annual Meeting, Seattle, WA, "The Case for Sub-Specialty Training After Residency Completion	Invited Speaker
2019	Congress of Neurological Surgeons, Rosemont, IL, "The Basis of a Rewarding Career in Tumors: A Guide for New Attending Physicians and Fellows"	Invited Speaker

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

2000	"How shunts work and endoscopic shunt placement", UCSF Neurosurgery Grand Rounds	Grand Rounds Guest Lecturer
2000	"Posterior fossa tumors; a practical approach," UCSF Department of Neurosurgery, Neurosurgery Resident Education Program	Department Grand Rounds Lecturer
2001	"Application of Stereotactic Head frames" ISRS Practical Course	Invited Speaker
2001	International Stereotactic Radiosurgery Society Meeting	Invited Speaker
2002	"The Incidence of Facial Nerve Weakness Following Gamma Knife Radiosurgery for Acoustic Neuromas in Patients over 60 years old" San Francisco Neurological Society	Invited Speaker
2002	Update on tumors for the general neurosurgeon; radiotherapy options	Invited Speaker
2002	"Radiosurgery for Chordoma and Chondrosarcoma" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2002	"Update on the Results of Gamma Knife Radiosurgery for Acoustic Neuroma" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer

2002	"Meningiomas: The forgotten, but still difficult to manage, primary tumor" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2003	"Meningiomas: review of biology and clinical management" UCSF Radiation Oncology Grand Rounds	Radiation Oncology Dept. Grand Rounds Guest Lecturer
2003	"Meningiomas," UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2003	"Update on the Results of Gamma Knife Radiosurgery for Acoustic Neuroma" UCSF Otolaryngology Grand Rounds	Otolaryngology Department Grand Rounds Guest Lecturer
2003	Annual Holiday Dinner Meeting, "Update on Radiosurgery" San Francisco Neurological Society	Speaker at SFNS Holiday Dinner
2004	San Francisco Neurological Society "Falcotentorial Meningiomas"	Invited Speaker
2004	Evaluation of a comatose patient, UCSF Department of Neurosurgery, Neurosurgery Resident Education Program	Department Grand Rounds Lecturer
2004	Update on tumors for the general neurosurgeon; radiotherapy options	Invited Speaker
2004	"The role of radiosurgery for high/low grade gliomas and the use of intraoperative physiologic mapping" Brain Mind Behavior Meeting, San Francisco, CA	Invited Speaker
2004	"Current role in neurosurgical practice-radiosurgery for AVMs" Radiosurgery Annual Meeting	Invited Speaker
2004	"Anatomy of the anterior middle cranial fossa" UCSF Department of Neurosurgery, Neurosurgery Resident Education Program	Department Grand Rounds Lecturer
2004	"Irradiating AMVS: an update" Presentation, UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2005	"Meningiomas: An update" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2005	"Skull base approaches" UCSF Neurosurgery Resident Education Program	Department Grand Rounds Lecturer
2005	"Irradiating AVMs: volume staging," and "The role of radiosurgery for malignant glioma: treatment planning with MRS" Gamma Knife User's Meeting	Invited Speaker
2005	Central Mississippi Medical Center and River Oaks Health System, Multi-Specialty Physician Continuing Medical Education Program, Napa Valley, CA	CME course Guest Lecturer

2005	"Lumbar Subarachnoid Drains & Catheters: Intra-operative Uses" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2005	Update on tumors for the general neurosurgeon "Convex defalks and parasagittal meningiomas treatment options and results"	Invited Speaker
2005	San Francisco Neurological Society Meeting "Normal pressure hydrocephalus"	Invited Speaker
2006	"Normal pressure hydrocephalus" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2006	"Current status on treatment of intracranial meningiomas" San Francisco Neurological Society Annual Meeting	Invited Speaker
2006	"Gross total resection, permanent brachytherapy and hyperfractionated radiotherapy for newly diagnosed glioblastoma multiforme" UCSF Brain Tumor Research Center and the Pediatric Brain Tumor Foundation	Invited Speaker
2006	The NOTCH pathway effector, Hes1, induces tetraploidy in meningioma cell lines, Napa Valley, CA	Invited Speaker
2006	"Surgical approaches for anterior cranial based meningiomas" UCSF Resident Education, Lecture series	Department Grand Rounds Lecturer
2007	"Head and Neck Injuries in Motor Racing and Athletic Events: Mechanisms, Statistics and Outcome" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2007	59th Annual Meeting, San Francisco Neurological Society, Sonoma, CA "Point-Counter Point: Management of acoustic neuromas and the role of radiosurgery and microsurgery"	Invited Speaker
2007	UCSF Referral Liaison meeting Gamma Knife Radiosurgery: history, technique, indications, results	Guest Faculty
2007	Senior Society of Neurological Surgery, Department of Neurological Surgery, UCSF "Clinical Programs: Patient Care Services"	Invited Speaker
2007	Neurosurgery Update in the Wine Country, Napa, CA "Surgical management of meningiomas"	Invited Speaker
2007	"Introduction to new Gamma Knife system: Perfexion, background on system and demonstration of treatment planning software" UCSF Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2007	Congress of Neurological Surgeons Meeting "Advanced imaging techniques for tumor identification and mapping"	Invited Speaker

2007	Congress of Neurological Surgeons Meeting, Update on Tumors for the general surgeons, "Conducts defalx and parasagittal meningiomas; treatment options and results"	Invited Speaker
2007	Congress of Neurological Surgeons Meeting, CNS Seminar W 49, "Current management of meningiomas; benign and malignant"	Invited Speaker
2007	National Brain Tumor Foundation Annual Meeting "Advanced imaging techniques for tumor identification and mapping"	Invited Speaker
2007	National Brain Tumor Foundation Annual Meeting "Surgical techniques used for brain tumors"	Invited Speaker
2007	Brain Tumor Patient Education Series, Department of Neurological Surgery / Neuro-Oncology, "Glioma Outcome Project Results: Implications for the management of patients with malignant glioma"	Department Speaker
2007	"Perfexion Gamma Knife Radiosurgery System" Neurosurgery Grand Rounds	Department Grand Rounds Lecturer
2008	San Francisco Neurological Society Meeting "Factors predicting resectibility of giant meningiomas"	Invited Speaker
2008	Congress of Neurological Surgeons, Radiosurgery Practical Course, Introduction to Perfexion Gamma Knife radiosurgery system	Invited Speaker
2008	UCSF Neurosurgery Grand Rounds "Update on recent meningioma surgical series"	Department Grand Rounds Lecturer
2008	John Muir Hospital, Walnut Creek, CA, Grand Rounds, "Current role of radiosurgery in the management of brain metastases"	Grand Rounds Guest Lecturer
2008	13th Annual Society for Neuro-Oncology Meeting "A new prognostic scoring system for hemispheric low-grade gliomas"	Invited Speaker
2009	UCSF Radiation Oncology Grand Rounds "Decision making for surgery- an update on morbidity from recent meningioma surgical series"	Radiation Oncology Grand Rounds
2009	San Francisco Neurological Society Annual Meeting, William Boldrey Lecture, "Brain Metastases: Update on current practice and outcomes"	Invited Speaker
2009	Sequoia Hospital Grand Rounds, Redding, CA, "Cyber Knife radiosurgery: results of treatment for brain and spine metastases"	Grand Rounds Guest Lecturer

2009	Neurosurgery Grand Rounds Kaiser, Sacramento, CA, Tuberculum sellae meningiomas	Grand Rounds Guest Lecturer
2009	Department of Neurosurgery Grand Rounds, Mercy Medical Center, Redding, CA, "Techniques for modern day glioma surgery, radiation and chemotherapy"	Department Grand Rounds Lecturer
2009	UCSF Neurosurgery Resident Education Course, "CSF physiology; lumbar drains and endoscopy"	Department Grand Rounds Lecturer
2009	Neurosurgery Operating Room Nurses Seminar, CSF physiology and drains	Invited Speaker
2009	UCSF Neurosurgery Update Course, Napa, CA, "Tumors, Oncology, Vascular; Complication profiles for meningioma surgery"	CME course Guest Lecturer
2009	UCSF Radiation Oncology Grand Rounds "Malignant Glioma and Brain Metastases Projects"	August 14, 2009
2009	UCSF Grand Rounds Department of Ophthalmology, "Meningiomas of the orbital region"	Ophthalmology Department Grand Rounds Guest Lecturer
2009	CNS Meeting, "Radiosurgery practical course- the role of the neurosurgeon using	Invited Speaker
2009	"Radiosurgery practical course- the role of the neurosurgeon using the Gamma Knife platform radio surgery for malignant tumors"	Invited Speaker
2009	Alta Bates Hospital, Berkeley, California, "Cyberknife Radiosurgery: Results for Treatment of Brain and Spine Metastases"	Invited Speaker
2010	9th Annual UCSF Clinical Cancer Update, North Lake Tahoe, CA, Skull Base Tumor Case Presentation/Panel Discussion	Invited Presenter, Panel Member
2010	San Francisco Neurological Society, "Outcomes following primary and repeat surgery for WHO grade 3 meningiomas"	Invited Speaker
2010	62nd Annual Meeting of the San Francisco Neurological Society, Sonoma, CA, Brain Tumor Mini-Symposium, "Malignant Meningiomas: Subtotal vs. total resection vs. radiation" Q&A and case presentations	Invited Speaker
2010	CNS- Webinar Management of Complex Meningiomas, "Radiotherapy, Radiosurgery & Brachytherapy for Meningiomas"	Invited Speaker

2010	UCSF Neurosurgery Grand Rounds, History of the Department of Neurological Surgery at UCSF	Department Grand Rounds Lecturer
2010	Neurosurgery Update 2010 in the Wine Country, "Modern Day Results for sphenoid wing meningiomas: surgical techniques revisited"	CME Course Invited Speaker
2010	XXVIII Brazilian Congress of Neurosurgery	Invited Speaker
2010	Congress of Neurological Surgeons 2010 Annual Meeting, Moscone West Convention Center, San Francisco, CA, CNS Luncheon Seminar--W42: Radiosurgery in Neuro-Oncology	Invited Speaker
2011	CPMC Meeting on "The Operating Microscope in Neurosurgery and Microsurgery: Origins to the Future" Davies Campus Auditorium, San Francisco, CA, Update on Modern Microsurgical techniques for tumors	Invited Speaker
2011	63rd Annual Meeting of the San Francisco Neurological Society, Monterey, California, "Metastatic Brain Tumors"	Invited Speaker
2011	National Brain Tumor Society - Webinar, Meningioma: Treatment & Research Updates	Invited Speaker
2011	Advanced Resident Antero-Lateral Skull Base Approaches, Stryker Neuro Spine ENT, University of California San Francisco, "Open Anterior Cranial Fossa Approaches"	Invited Speaker
2011	42nd Annual National Conference of the Association of Surgical Technologists (AST), San Francisco, CA, "Surgical Techniques for Intra-Cranial Meningiomas"	Invited Speaker
2011	Annual World Congress of IBMISPS on Brain, Spinal Cord Mapping and Image Guided Therapy, San Francisco, CA, "Advances in Gamma Knife Radiosurgery"	Invited Speaker
2011	CME lecture-Stockton, CA, St. Joseph's Medical Center	CME course Guest Lecturer
2012	2012 Santa Rosa Memorial Hospital CME Program, Santa Rosa, CA, "Idiopathic Intracranial Hypertension: Diagnosis and Treatment"	CME course Guest Lecturer
2012	UCSF Grand Rounds Department of Radiation Oncology, "Modern Imaging Techniques for Use with Radiosurgery for Malignant Gliomas"	Radiation Oncology Grand Rounds
2013	SFNS 2013 Annual Meeting, "Metastatic Tumors," "Low Grade Gliomas," and "Panel Discussion"	Guest Faculty
2013	CME Lecture at Queen of the Valley Hospital, Napa, CA "Radiosurgery for Brain Metastases"	Guest Lecturer

2013	UCSF Excellences in Neuroscience Course, San Francisco, CA	Invited Speaker
2013	Neurosurgery CME Update Course, Napa, CA "Colloid Cysts: Surgical Treatment Results of Endoscopic versus Microsurgical Treatment"	Invited Speaker
2013	Pacific Neurosurgery CME Grand Rounds, San Francisco, CA "Colloid Cysts"	Guest Lecturer
2013	Stryker Skull Base Course, San Francisco, CA "Complication Avoidance in Skull Base Surgery"	Invited Speaker
2013	2013 SNO/WFNO Annual Meeting, San Francisco, CA	Invited Speaker
2013	2013 CNS Annual Meeting, San Francisco, CA "Cranial and Spinal Radiosurgery Update," "surgical Management of Meningiomas," "Controversies in Management of Low Grade Gliomas."	Invited Speaker
2013	UCSF Neurosurgery Grand Rounds, San Francisco, CA	Guest Lecturer
2014	UCSF Radiation Oncology Grand Rounds, "AVM Diagnosis and Treatment," San Francisco, CA	Guest Lecturer
2014	UCSF Neurosurgery Update Course, Napa, CA	Guest Faculty
2014	CNS 3-D Surgical Anatomy Course, "Anterior Cranial Fossa Tumors/OZ," "Foramen Magnum Tumors," "Hands-On Laboratory: Far Lateral Approach Demonstration"	Guest Faculty
2014	UCSF Antero-Lateral Skull Base Approaches Course "Open Anterior Cranial Fossa Approaches", "Anatomy Lab: Prosection of Bifrontal Craniotomy and Orbitozygomatic After Prosection"	Faculty
2014	Stanford University Grand Rounds "Surgical Treatment of Meningiomas: Summary Results from a 20 Year Experience," Palo Alto, CA	Guest Lecturer
2015	"A Review of CP Angle Meningiomas" UCSF Neurosurgery Update Course, Napa, CA	Faculty
2015	Stryker Course, San Francisco, CA, "Open Anterior Skull Base Approaches."	Faculty
2015	Stryker Course, San Francisco, CA, "Complication Avoidance in Skull Base Surgery."	Faculty
2015	"NFL & Concussions: Enhancing the Health and Safety of Players" Olympic Club Luncheon, San Francisco, CA	Guest Lecturer
2015	"Skull Base Meningiomas," UCSF Otolaryngology Grand Rounds	Guest Lecturer

2016	3rd World AVM Congress, Napa, CA, "Volume Staged Radiosurgery for Large AVMs"	Invited Speaker
2016	Acoustic Neuroma Association, Oakland, CA, "Radiosurgery Results for Vestibular Schwannomas/Acoustic Neuromas"	Invited Speaker
2016	Acoustic Neuroma Association, Oakland, CA, "Treatment Options for Recurrent Meningiomas"	Invited Speaker
2016	University of Alabama, Birmingham, AL "Meningiomas of the Anterior and Middle Cranial Fossa: Anatomy, Treatment and Results"	Visiting Professor
2016	University of Cincinnati Department of Neurosurgery, Cincinnati, OH, "Meningiomas: An Experience from 25 Years of Neurosurgical Practice, the Good, the Bad and the Ugly"	Visiting Professor
2016	Hoag Memorial Hospital Presbyterian "Tensor Imaging and the Treatment of Low-Grade Gliomas and Molecular Markers"	Grand Rounds Guest Lecturer
2016	Allegheny General Hospital, Pittsburgh, PA, 10th Annual Skull Base Surgery Course "Suprasellar Meningioma - Endoscopic/Microscopic"	Invited Guest Lecturer
2017	Brigham & Women's Hospital, Boston, MA, "Meningiomas: An Experience from 25 Years of Surgical Practice"	Invited Speaker
2017	Ohio State University, Columbus, OH, "Meningiomas: Perspectives on a 25-Year Experience"	Visiting Professor
2017	Wright State University, Fairborn, OH, "Meningiomas: Current Status of Diagnosis, Treatment & Outcomes"	Visiting Professor
2017	University of Utah, Salt Lake City, UT, "Perspectives on a 34-year Experience & Update on Meningioma"	Visiting Professor
2017	Indiana University, Indianapolis, IN, "A Review of Past Clinical Results and Planned Future Projects"	Visiting Professor
2017	Indiana State University Department of Radiation Oncology, Indianapolis, IN, "Radiosurgery & Brachytherapy for Brain Metastases"	Visiting Professor
2017	Swedish Medical Center, Seattle, WA, "Meningiomas: A Research and Clinical Perspective"	Visiting Professor
2017	Brigham & Women's Skull Base Symposium, Boston, MA, "Bypass in Skull Surgery - Worth it or Not?"	Invited Speaker
2017	University of California, San Francisco, CA, "25 Years of Meningioma Surgery"	Grand Rounds Lecturer

2017	University of Cambridge, Division of Neurosciences, Cambridge, England, "Skull Base Surgery and Meningiomas"	Invited Speaker
2017	UCSF Neurosurgery Update 2017, Napa, CA, "Management of Intracranial Metastatic Tumors"	Invited Speaker
2017	British-Irish Meningioma Society, London, England, "Meningiomas: Clinical Outcomes"	Guest Lecturer
2018	Neurological Institute, State University of New Jersey, New Brunswick, NJ, "Recent Results of Meningioma Surgery: A Review of UCSF Experience"	Invited Speaker
2018	Rutgers University Grand Rounds, Newark, NJ, "Recent Results of Meningioma Surgery: A Review of UCSF Experience"	Guest Lecturer
2018	UCSF Case Managers Conference	Invited Speaker
2018	UCSF Update Course 2018, Napa, CA, "Hyperostosing Meningiomas of the Sphenoid Wing: Indications for Treatment, Techniques and Results."	Invited Speaker
2018	Northwestern University Grand Rounds, Chicago, IL, "Recent Results from UCSF Meningioma Surgery Experience"	Invited Speaker
2018	UCSF Neurosurgery Update 2018, Napa, CA, "Hyperostosing Meningiomas of the Sphenoid Wing: Indication for Treatment, Techniques, and Results"	Invited Speaker
2018	Isoray, Richland, WA, "Brachytherapy for Brain Metastases and Recurrent Atypical/Malignant Meningiomas"	Invited Speaker
2018	University of Toronto Lectureship, Toronto, Ontario, Canada, "Meningioma Surgery: Perspectives on a 25 Year Experience"	Invited Speaker
2018	University of Toronto Lectureship, Toronto, Ontario, Canada, "Technical Tips for Common Neurosurgical Procedures"	Invited Speaker
2018	San Francisco Neurological Society 70th Annual Meeting, Napa, CA, "Modern Management of Meningiomas"	Invited Speaker
2018	University of Washington Grand Rounds, Seattle, WA, "26 Years of Meningioma Surgery Experience at UCSF"	Invited Speaker
2018	Enloe Medical Center CME Presentation, Chico, CA, "Management of Intracranial Metastases"	Invited Speaker

2018	Prague Neurosurgical Week 2018, Prague, Czech Republic. "Recurrent Supratentorial Meningiomas: Surgical Management and Outcomes"	Guest Speaker
2018	Prague Neurosurgical Week 2018, Prague, Czech Republic. "Metastatic Meningiomas: Incidence and Screening in 1,203 Patients"	Guest Speaker
2018	Prague Neurosurgical Week 2018, Prague, Czech Republic. "Hyperostosing Meningiomas of the Sphenoid Wing: Outcomes After Resection and Reconstruction"	Guest Speaker
2018	Grand Rounds, St. George's Hospital Department of Neurological Surgery, London, UK. "Meningioma Surgery at UCSF: Recent Results and Lessons Learned"	Guest Speaker
2018	Grand Rounds, University of California San Francisco, San Francisco, CA, "25 Years of Meningioma Surgery"	Guest Speaker
2019	ANCO Section on Neurosurgical Oncology, Saint Pölten, Austria. "Current concepts in the neurosurgical treatment of meningiomas"	Invited Speaker
2019	Mayo Clinic, Jacksonville, FL, "Meningioma: Advances in Diagnosis and Treatment"	Invited Speaker
2019	Barrow Neurological Institute, Phoenix, AZ, "Management of Intracranial Metastases: Surgery, Radiosurgery, Brachytherapy"	Invited Speaker
2019	University of Nebraska Medical Center, Omaha, NE, "Modern Clinical Meningioma Surgical Series: Lessons from Tuberculum, Clinoid, Sphenoid Wing, CP Angle and Foramen Magnum Experience"	Invited Speaker
2019	University of Vienna, Vienna Austria. Case conference: "Hyperostosing Meningiomas of the Sphenoid Wing"	Guest Speaker
2019	University of Vienna, Vienna Austria. Case conference: "Tuberculum Sellae Meningiomas: Results of Transcranial and Endoscopic Surgery for Tuberculum Meningiomas."	Guest Speaker
2019	Cedars Sinai, Los Angeles, CA, "Colloid Cysts: Open vs. Endo Techniques and Results"	Invited Speaker
2019	Cedars Sanai, Los Angeles, CA, "Meningioma Clinical Research Results: a 25-Year Perspective from a Single Center"	Invited Speaker
2019	University of California San Francisco, CA " Tumor Vascular, Skull Base: Update on Management of Aggressive Meningiomas"	Invited Speaker

UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY- UCSF

Program Director, Neurosurgical Training Program
 Core Committee Member, Cerebrovascular Surgery Search Committee
 Committee Chair, Assistant/Associate/Full Professor of Clinical Surgery Search Committee
 Committee Chair, Chief of Neuroanesthesia Search Committee
 Member, Neurosurgical Interventionalist Search Committee
 Member, Assistant/Associate Professor in Residence-Brain Tumor Surgery Search Committee
 Member, Health Sciences Associate or Full Clinical Professor of Neurosurgery Search Committee
 Member, Credentials Committee
 Past Member, Executive Medical Board (2 years)

UCSF CAMPUSWIDE

1993 - 1994	University of California, San Francisco	Advisory Committee on Postdoctoral Education
1993 - 1994	General Clinical Research Center, San Francisco General Hospital	Advisory Committee
1994 - 1995	University of California, San Francisco	Ad Hoc Incident Review Subcommittee of the Quality Assurance Executive Committee
1994 - 1994	University of California, San Francisco	Ad Hoc Committee for the Evaluation of Ultrasonography Use
1995 - 2013	University of California, San Francisco	Surgical Case & Hospital Mortality Subcommittee
2003 - 2013	University of California, San Francisco	Operating Room Committee of the Medical Staff
2000 - 2001	University of California, San Francisco	Perioperative Services-OR Efficiency Working Group
2000 - 2013	University of California, San Francisco	Surgical Case and Hospital Mortality Review Committee

2000 - 2018	University of California, San Francisco	GME Governing Board Accreditation and Evaluation Subcommittee "A"
2000 - 2018	University of California, San Francisco	GME Governing Board Executive Committee
2001 - 2013	University of California, San Francisco	Chair, Clinical Practice Committee
2001 - 2013	University of California, San Francisco	OR Planning Committee
2001 - 2001	University of California, San Francisco	Chair, Dennis B. Dettmer Endowed Chair Committee
2002 - 2003	University of California, San Francisco	MOSS Verbal Order Pilot Program, Committee Member
2003 - 2013	University of California, San Francisco	PISCES Steering Committee
2002 - 2009	University of California, San Francisco	Otolaryngology Search Committees
2003 - 2011	University of California, San Francisco	Block Time Committee
2005 - 2005	University of California, San Francisco	Perioperative Leadership Committee
2006 - 2008	University of California, San Francisco	Clinical Products Standardization Committee
2006 - 2011	University of California, San Francisco	Ambulatory Care Operations Group Committee
2006 - 2011	University of California, San Francisco	Transfer Center Steering Committee Member
2009 - 2010	University of California, San Francisco	UCSF Radiation Oncology Search Committee
2010 - 2012	University of California, San Francisco	Executive Medical Board

2011 - 2011	University of California, San Francisco	Stewardship Review Committee, Dr. Tad Vail as Chair, Orthopedic Surgery
2010 - 2012	University of California, San Francisco	Adult Critical Care Committee
2011 - 2011	University of California, San Francisco	Search Committee for Prepare Director, Department of Anesthesia
2011 - 2011	University of California, San Francisco	Search Committee for Director, Center of Excellence and Peripheral Nerve Disorders in Surgery
2011 - 2011	University of California, San Francisco	Dean's Stewardship Review Committee— Orthopedic Surgery

DEPARTMENTAL SERVICE

1992 - 2020	University of California, San Francisco, Department of Neurological Surgery	Brain Tumor Research Center Associate
1992 - 2020	University of California, San Francisco, Department of Neurological Surgery	Brain Tumor Research Center Associate, Core Committee
1993 - 1994	University of California, San Francisco, Department of Neurological Surgery	Resident Applicant Review Committee
1993 - 1993	University of California, San Francisco, Department of Neurological Surgery	Ad Hoc Committee for the Integration of Neuroscience Education
1994 - 2020	University of California, San Francisco, Department of Neurological Surgery	Co-Director, Gamma Knife Radiosurgery Program
1994 - 2000	Brain Tumor Research Center Committee	Chairperson
1994 - 1999	Brain Tumor Research Center Committee	Member, Internal Review of Data and Manuscripts

1994 - 1998	University of California, San Francisco, Department of Neurological Surgery	Resident Education Committee
1994 - 1995	University of California, San Francisco, Department of Neurological Surgery	Credentials Committee Member
1996 - 2001	University of California, San Francisco, Department of Neurological Surgery	Computer Committee Member
1996 - 2000	University of California, San Francisco, Department of Neurological Surgery	Medicare Compliance Subcommittee Member
1997 - 1997	University of California, San Francisco, Department of Neurological Surgery	Operating Room Cluster Committee
1997 - 1997	University of California, San Francisco, Department of Neurological Surgery	Stereotactic Cluster Committee
1997 - 2020	University of California, San Francisco, Department of Neurological Surgery	Skull Base Surgery Program, Co-Director
1997 - 2001	University of California, San Francisco, Department of Neurological Surgery	Postgraduate Education Committee, Chair
1997 - 2003	University of California, San Francisco, Department of Neurological Surgery	Visiting Medical Student Reception
1998 - 1998	University of California, San Francisco, Department of Neurological Surgery	Member, Search Committee Division NeuroOncology
1999 - 1999	University of California, San Francisco, Department of Neurological Surgery	Chair, Search Committee Junior Faculty Position
1998 - 2002	University of California, San Francisco, Department of Neurological Surgery	Co-director, Clinical Neurosciences Lectures
1999 - present	University of California, San Francisco, Department of Neurological Surgery	Neuro-oncology Quality Control reviewer for database

2002 - present	University of California, San Francisco, Department of Neurological Surgery	Co-Director, Gamma Knife Radiosurgery Fellowship Program
2004 - 2011	University of California, San Francisco, Department of Neurological Surgery	Neurosciences Steering Committee
2007 - 2007	University of California, San Francisco, Department of Neurological Surgery	Chair of Khatib Search Committee
2013-2020	University of California, San Francisco, Department of Neurologic Surgery	Residency Program Director

COMMUNITY AND PUBLIC SERVICE

1993 - 1998	Western Journal of Medicine	Advisory Board for Clinical Investigation
1993 - 1993	Congress of Neurological Surgeons, 43rd Annual Meeting, Vancouver, BC	Host Committee
1994 - 1994	Philip & Sala Burton Academic High School Career Day, San Francisco, CA	Volunteer
1994 - 2002	Marin Lutheran Church	Member
1996 - 1996	Marin Academy	Project Supervisor for student Caroline Maroten, Senior
1998 - 1998	Marin General Hospital, San Rafael, CA	Panel Member, "Trauma Care in Marin County" Question and Answer Panel
1997 - 2003	UCSF Golf Club	Member
2000 - 2000	Neil Cummings Primary School	Presentations on Neurosurgery to Kindergarten and 4th grade classes

2000 - 2000	Stuart Hall School for Boys	Presentation on Neurosurgery
2000 - 2000	Stuart Hall School for Boys	Day Trip Supervisor, Kindergarten Class reader, Day trip supervisor
2002 - 2003	Golf Tournament Committee	Member
2003 - 2020	St. Ignatius Church	Member
2011 - 2012	Panel on Appropriateness Criteria-RO Brain Metastasis	Consultant
2011 - 2012	Panel on Appropriateness Criteria-Neurological Imaging	Consultant

CONTRIBUTIONS TO DIVERSITY

CONTRIBUTIONS TO DIVERSITY

2019, UCSF School of Medicine and Enact Leadership, Certificate for completion of Differences Matter Diversity, Equity, and Inclusion Champion Training

TEACHING AND MENTORING

TEACHING SUMMARY

The majority of my teaching activities occur on the inpatient and outpatient neurosurgical services at the Main campus of UCSF Medical Center on Parnassus Avenue. I directly teach and supervise neurosurgical residents who are assigned to my service for 12 months a year on a daily basis. I also directly supervise and teach neurology residents, neuroradiology fellows, radiation oncology residents and fellows, physician assistants, nurse practitioners, nursing students and medical students on a weekly basis. Most of this activity occurs during daily clinical service interactions as well as at formal conferences held on Thursdays including Neurosurgery Case conference, neurosurgery grand rounds, neuroradiology rounds, Adult Tumor Board and Radiosurgery Conference and teaching during our neuroscience course and in the operating room. For over 10 years I was in charge of coordinating and participated in our Neuro 110 course for third year medical students, have run the sub internship program for over 10 years for visiting fourth year students and I teach 1-2 students weekly in the clinic as part of the UCSF Longitudinal Clinical Experience and PISCES program. For many years 1994-2003 I coordinated the neurosurgery residents Thursday academic neuroscience course and participated as a regular presenter on clinical topics and still do. For over 10 years I have been in charge of the Neurosurgery Grand Rounds CME program

At UCSF, I present teaching cases to the neurosurgical residents during our weekly Case Conference approximately 5 to 6 times per year, and give lectures per year as part of the weekly Resident Neurosciences Course.

For the past five years I have attended and taught at the Congress of Neurological Surgeons Boot Camp for PGY1 residents. Each year i am invited to speak at national seminars during the CNS and AANS meetings where residents and faculty attend.

I currently serve as The Director of the Residency Training Program and have held this position for the last 4.5 years. In 2014 our program was ranked #1 in the country and in 2015 we were awarded the first CNS prize for the highest number of abstracts at the CNS meeting in New Orleans. In this capacity, along with Associate Directors Paul Larson and Line Jacques, we oversee all aspects of resident education and medical student education in the department.

FORMAL TEACHING

Academic Yr	Course No. & Title	Teaching Contribution	Class Size
2011 - present	SNS Boot Camp Fundamental Skills Course	Two day course each year for new PGY1 neurosurgery residents. Attended as program director, led hands on lab sessions and gave lectures. Educated residents on basic procedural skills relevant to residency.	
2013 - 2013	NSURG 140.01 Advanced Inpatient	Teaching in the OR, inpatient setting and clinic	5 students over 4 weeks
2013 - 2013	NSURG 140.05 Surgical Subspecialty	Teach students in OR, clinic and inpatient setting.	2-4 students, 2 weeks
2014 - 2014	NSURG 140.01 Advanced Inpatient	Teaching in the OR, lecturer, teach students in inpatient setting and outpatient clinic	5 students for four weeks
2014 - 2014	PISCES: Better Teaching and Care	One on one teaching with assigned student in OR and clinic	1 student over 8 sessions
2014 - 2014	NSURG 140.05: Surgical Subspecialty	Teach students in OR, inpatient setting and outpatient clinic	2-4 students, 2 weeks
2015 - present	NSURG 140.01 Advanced Inpatient	Teaching in the OR, Lecturer, spend time with students in clinic	5 students for 4 weeks

Academic Yr	Course No. & Title	Teaching Contribution	Class Size
2015 - present	PISCES: Better teaching and care	One on one teaching with assigned student in OR and clinic	1 student over 8 sessions
2015 - present	NSURG 140.05: Surgical Subspecialty	Teach students in OR, inpatient setting and outpatient clinic.	2-4 students, 2 weeks

INFORMAL TEACHING

- 1992 - present Operating Room teaching (twice a week- residents, nurses, sometimes medical students, etc.)
- 1992 - present Attending Rounds (multiple days per week-residents, nurses, etc. sometimes medical students)
- 2000 - present UCSF Neurosurgery Journal Club (resident teaching, once a year)

MENTORING SUMMARY

I have served as the primary mentor for neurosurgery residents and junior faculty in our department. As Director for the residency program, I am also responsible for providing academic mentorship and general career guidance to all 18 of our trainees on an ongoing basis. In addition I coordinate the mentorship program for the neurosurgery residents and faculty. As co-director of the Radiosurgery program since 1996 I also mentor radiation oncology residents, fellows and radiation oncology physics trainees and faculty. In addition, I have hosted a number of international visiting neurosurgeons who came to our program specifically to observe and receive training in adult brain tumor, skull base surgery and Radiosurgery techniques.

PREDOCTORAL STUDENTS SUPERVISED OR MENTORED

Dates	Name	Program or School	Mentor Type	Role	Current Position
2015 - 2015	Wendy Huang			Visitor	
2015 - 2015	Daara Jalili			Visitor	
2015 - 2015	Kelly Cotchett			Volunteer	

POSTDOCTORAL FELLOWS AND RESIDENTS MENTORED

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
	RESIDENTS TRAINED				
- 1993	William G. Obana			Mentor	Former Resident
- 1994	Patricia Ann Mancuso			Mentor	Former Resident

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
- 1994	Jeffrey D. McDonald			Mentor	Former Resident
- 1995	Michon Morita			Mentor	Former Resident
- 1995	Sherry Taylor			Mentor	Former Resident
- 1996	Dong H. Kim			Mentor	Former Resident
- 1996	Adam Mamelak			Mentor	Former Resident
- 1996	Sanjoy Sundaresan			Mentor	Former Resident
- 1997	Charles Cobbs			Mentor	Former Resident
- 1997	Scott R. Shepard			Mentor	Former Resident
- 1998	Eldan Eichbaum			Mentor	Former Resident
- 1998	Paul Matz			Mentor	Former Resident
- 1998	Andrew Metzger			Mentor	Former Resident
- 1999	Aviva Abosch			Mentor	Former Resident
- 1999	Sandeep Kunwar			Mentor	Former Resident, current UCSF Professor in Neurosurgery
- 2000	Daniel Lieberman			Mentor	Former Resident
- 2000	Scott Wachhorst			Mentor	Former Resident
- 2001	Geoff Manley			Mentor	Former Resident, SFGH Professor in Neurosurgery
- 2001	Praveen Mummaneni			Mentor	Former Resident, UCSF Professor in Neurosurgery
- 2002	Steven Ojemann			Mentor	Former Resident
- 2002	Matthew Smythe			Mentor	Former Resident
- 2002	Phil Theodosopoulos			Mentor	Former Resident, current UCSF Professor in Neurosurgery
- 2003	Jay Chun			Mentor	Former Resident
- 2003	George Edward Vates			Mentor	Former Resident, Neurosurgeon at University of Rochester
- 2004	Cornelia VonKoch			Mentor	Former Resident, Neurosurgeon at Kaiser
- 2005	Devin Binder			Mentor	Former Resident, Neurosurgeon in Fountain Valley

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
- 2005	Alfredo Quinones-Hinojosa			Mentor	Former Resident, Neurosurgeon at Johns Hopkins
- 2006	Rose Du			Mentor	Former Resident, Neurosurgeon at Brigham and Women's Hospital
- 2006	Marcus Ware			Mentor	Former Resident, Neurosurgeon at Tulane
- 2007	Kurtis Auguste			Mentor	Former Resident, current UCSF Professor in Neurosurgery
- 2007	John Chi			Mentor	Former Resident, Neurosurgeon at Brigham and Women's Hospital
- 2007	Justin Smith			Mentor	Former Resident, Neurosurgeon at University of Virginia
- 2008	Frank Acosta			Mentor	Former Resident, Neurosurgeon at Keck School of Medicine
- 2008	Daniel Lim			Mentor	Former Resident, current UCSF Professor in Neurosurgery
- 2008	Rene O. Sanchez-Mejia			Mentor	Former Resident, Neurosurgeon at Scripps Clinical Medical Group
- 2008	Daniel Lu			Mentor	Former Resident, Neurosurgeon at UCLA
- 2009	Nader Sanai			Mentor	Former Resident, Neurosurgeon at Barrow
- 2009	James Waldron			Mentor	Former Resident, Neurosurgeon at NeuroTexas
- 2010	Vincent Wang			Mentor	Former Resident, Neurosurgeon at Texas Spine and Neurosurgery Center
- 2010	Isaac Yang			Mentor	Former Resident, Neurosurgeon at UCLA
- 2010	Eddie Chang			Mentor	Former Resident, UCSF Professor in Neurosurgery
- 2011	Michael Sughrue			Mentor	Former Resident, Neurosurgeon at Oklahoma University
- 2011	R. Mark Richardson			Mentor	Former Resident, Neurosurgeon at UPMC
- 2012	Brian Jian			Mentor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
- 2012	Matthew Tate			Mentor	
- 2012	Orin Bloch			Mentor	
- 2013	Matthew Potts			Mentor	
- 2013	Phiroz Tarapore			Mentor	
- 2014	Jason Cheng			Mentor	
- 2014	Aaron Clark			Mentor	
- 2014	Michael Ivan			Mentor	
- 2015	Jason Davies			Mentor	
- 2015	Nathan Rowland			Mentor	
- 2015	Rajiv Saigal			Mentor	
- 2015	Seunggu Han			Mentor	
- 2016	Tene Cage			Mentor	
- 2016	Dario Englot			Mentor	
- 2017	Corinna Ygourakis			Mentor	
- 2017	Wang Dorris			Mentor	
- 2017	John Ralston			Mentor	
- 2017	Jonathan Breshears			Mentor	
- 2018	Martin Rutkowski			Mentor	
- 2018	Derek Southwell			Mentor	
- 2018	Joseph Osorio			Mentor	
- 2020	William Rutleg			Mentor	
- 2020	Daryll Lau			Mentor	
	PRECEPTOR				
1994 - 1995	Glenn Bauman			Mentor	
1995 - 1995	Luis Rogano, M.D. Gamma Knife fellow, Sao Paulo, Brazil			Mentor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
1994 - 1995	Lukas Stalpers			Mentor	
1996 - 1996	Sui Lee, M.D., Gamma Knife fellow, Seoul, Korea			Mentor	
1996 - 1996	Joyce Liao, MSTP trainee (Medicine 160.04)			Mentor	
1996 - 1997	Huong Pham			Mentor	
1997 - 1997	Andrew Lee, M.D., Gamma Knife fellow, Vancouver, B.C.			Mentor	
1997 - 1998	Jeffrey Suplica			Mentor	
1998 - 1998	Andrew Metzger, M.D., Gamma Knife fellow, Cleveland, Ohio			Mentor	
1998 - 1998	Praveen Mummaneni, M.D., Gamma Knife Elective			Mentor	
1998 - 1999	May Tsao			Mentor	
1999 - 1999	Steven Ojemann, M.D., Gamma Knife Elective			Mentor	
2000 - 2000	Randa Zakhary, M.D., Gamma Knife Elective			Mentor	
2000 - 2001	Jeffrey Kanski			Mentor	
2001 - 2002	David Huang			Mentor	
2001 - 2001	Cornelia vonKoch, M.D. Gamma Knife Elective			Mentor	
2002 - 2003	Alan Nutkiweitz, M.D. Gamma Knife fellow			Mentor	
2002 - 2004	Elizabeth Yan			Mentor	
2003 - 2003	John Chi, MD, Elective			Mentor	
2004 - 2004	Marcus Ware, MD, Elective			Mentor	

Dates	Name	Fellow	Mentor Role	Faculty Role	Current Position
2006 - 2007	Arjun Sahgal			Mentor	
2009 - 2009	Zachary Seymour			Mentor	
2009- 2010	Norbert Kased			Mentor	
2010 - 2011	Steve Braunstein			Mentor	
2011- 2012	Christopher Chapman			Mentor	
2013 - 2014	Michael Wahl			Mentor	
2013 - 2014	David Raleigh			Mentor	
2014 - 2015	Stephen Magill			Mentor	Neurosurgery Resident
2014 - 2015	Serah Choi			Mentor	
2015 - 2016	Michael Garcia			Mentor	
2016 - 2017	Yao Yu			Mentor	
2016 - 2017	Jason Chan			Mentor	
2017 - 2018	William Chen			Mentor	
2018 - 2019	Lauren Boreta			Mentor	

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

Co-Principal Investigator and Neurosurgical Director R-25 Training Grant
 Director Wolf Meningioma Research Grant Applications
 Peer reviewed publications: 2016 (26), 2015 (24), 2014 (21), 2013 (16), 2012 (11)
 Medical device patent co-holder with Integra Neurosciences

RESEARCH AWARDS - CURRENT

- 2R25NS070680-06 Senior Personnel Hauser (PI)
 NIH 04/01/2010 06/30/2020
 Educating Physician Neuroscientists: The R25 at UCSF

RESEARCH AWARDS - PAST

- NIH grant 5 PO1 CA 13525 Co-PI
 British Columbia Health and Development Fund 09/1991 09/1993
 Assessment of In Vitro and In Vivo Labeling Indices by SPECT \$ 75,000 direct/yr 1
 Imaging of Brain Tumor Patients

2.	NIH grant 5 PO1 CA 13525	Co-Investigator, 5% time, no salary support		
	NIH		06/01/1994	05/31/1999
	"Program for Treatment of Malignant Brain Tumors."		\$ 2,587,387 direct/yr 1	
3.	ACS grant EDT 34	Co-Investigator, 5% time, no salary support		
	Cancer Center Program in Radiation Oncology, "Radiation Oncology Sub-Program."		01/01/1995	
	Characterization of Gliomas by High Spatial Resolution 3 D Proton Magnetic Resonance Spectroscopy.			
4.	RO1 CA59880	Co-Investigator, 5% time		
	"Evaluation of Radiosurgery for Brain Tumors"		07/01/1998	06/30/2002
5.	NIH/NCI PO1 CA 13525 Project	Co-Investigator, 5% time		
	Program for Treatment of Malignant Brain Tumors."		04/01/1999	03/31/2004
				\$ 445,603 total
6.	Committee on Research Shared Equipment Grant.		04/12/2001	\$ 19,431 total
7.	RO1 NS34949 renewal	Co-Investigator		
	Brain Arteriovenous Malformation (BAVM) study			
8.		PI		
	National Brain Tumor Foundation		03/01/2003	03/01/2004
	"SAGE analysis of meningiomas"		\$ 10,000 direct/yr 1	
9.		PI		
	NABTC		2003	2004
	MR Spectroscopy of Meningiomas.		\$ 30,000 direct/yr 1	

10.	CO-PI	2023
	Wolfe Family Meningioma Project Program	2018 \$ 3.4 Million

PEER REVIEWED PUBLICATIONS

1. Tien R, Newton TH, Dillon WP, McDermott MW. A simple method for spinal localization in MR imaging. *AJNR Am J Neuroradiology*. 1989 Nov-Dec; 10(6):1232.
2. Gutin PH, McDermott MW, Ross G, Chan PH, Chen SF, Levin KJ, Babuna O, Marton LJ. Polyamine accumulation and vasogenic oedema in the genesis of late delayed radiation injury of the central nervous system (CNS). *Acta Neurochir Suppl (Wien)*. 1990; 51:372-4.
3. Tien RD, Newton TH, McDermott MW, Dillon WP, Kucharczyk J. Thickened pituitary stalk on MR images in patients with diabetes insipidus and Langerhans cell histiocytosis. *AJNR Am J Neuroradiol*. 1990 Jul-Aug; 11(4):703-8.
4. McDermott MW, Durity FA, Rootman J, Woodhurst WB. Combined frontotemporal- orbitozygomatic approach for tumors of the sphenoid wing and orbit. *Neurosurgery* 1990 Jan; 26(1):107-116.
5. De Marco JK, McDermott MW, Dillon WP, Bollen A, Edwards MS. MR appearance of postoperative foreign body granuloma: case report with pathologic confirmation. *AJNR Am J Neuroradiol* 1991 Jan-Feb; 12(1):190- 192.
6. McDermott MW, Krouwer HG, Asai A, Ito S, Hoshino T, Prados MD. A comparison of CT contrast enhancement and BUDR labeling indices in moderately and highly anaplastic astrocytomas of the cerebral hemispheres. *Can J Neurol Sci*. 1992 Feb; 19(1):34-9.
7. Gutin PH, Levin KJ, McDermott MW, Hooper N, Smith MT, Cashman JR, Chan PH, Ross GY, Phillips TL, Levin VA, et al. Lipid peroxidation does not appear to be a factor in late radiation injury of the cervical spinal cord of rats. *Int J Radiat Oncol Biol Phys*. 1993 Jan; 25(1):67-72.
8. Krouwer HG, Davis RL, McDermott MW, Hoshino T, Prados MD. Gangliogliomas: a clinicopathological study of 25 cases and review of the literature. *J Neurooncol*. 1993 Aug; 17(2):139-54.
9. McDermott MW. The diagnosis and management of brain tumors astrocytomas. *Contemp Oncol* 1993; 2:12- 18.
10. Wara W, Bauman G, Gutin P, Circillo S, Larson D, McDermott M, Sneed P, Verhey L, Smith V, Petti P, et al. Stereotactic radiosurgery in children. *Stereotact Funct Neurosurg*. 1995; 64 Suppl 1:118-25.
11. Matz P, McDermott M, Gutin P, Dillon W, Wilson C. Cavernous malformations: results of image-guided resection. *J Image Guid Surg*. 1995; 1(5):273-9.
12. Roberts TP, Zusman E, McDermott M, Barbaro N, Rowley HA. Correlation of functional magnetic source imaging with intraoperative cortical stimulation in neurosurgical patients. *J Image Guid Surg*. 1995; 1(6):339-47.

13. Gladstone HB, McDermott MW, Cooke DD. Implants for cranioplasty. *Otolaryngol Clin North Am.* 1995 Apr; 28(2):381-400.
14. Sneed PK, Prados MD, McDermott MW, Larson DA, Malec MK, Lamborn KR, Davis RL, Weaver KA, Wara WM, Phillips TL, et al. Large effect of age on the survival of patients with glioblastoma treated with radiotherapy and brachytherapy boost. *Neurosurgery.* 1995 May; 36(5):898-903; discussion 903-4.
15. McDermott MW, Rootman J, Durity FA. Subperiosteal, subperiosteal dissection and division of the anterior and posterior ethmoid arteries for meningiomas of the cribriform plate and planum sphenoidale: technical note. *Neurosurgery.* 1995 Jun; 36(6):1215-8; discussion 1218-9.
16. McDermott MW, Ciricillo SF, Gutin PH, Edwards MS. Stereotactic insertion of an ommaya reservoir: technical note. *Can J Neurol Sci.* 1995 Aug; 22(3):235-8.
17. Wong K, Raisanen J, Taylor SL, McDermott MW, Wilson CB, Gutin PH. Pituitary adenoma as an unsuspected clival tumor. *Am J Surg Pathol.* 1995 Aug; 19(8):900-3.
18. Taylor SL, Wong K, McDermott MW, Raisanen J, Gutin PH. Pituitary Adenomas Involving the Clivus. *American Journal of Surgical Pathology,* 1995; 19(8) 900-3
19. Barker FG, Prados MD, Chang SM, Gutin PH, Lamborn KR, Larson DA, Malec MK, McDermott MW, Sneed PK, Wara WM, Wilson CB. Radiation response and survival time in patients with glioblastoma multiforme. *J Neurosurg.* 1996 Mar; 84(3):442-8.
20. Barker FG, Prados MD, Chang SM, Davis RL, Gutin PH, Lamborn KR, Larson DA, McDermott MW, Sneed PK, Wilson CB. Bromodeoxyuridine labeling index in glioblastoma multiforme: relation to radiation response, age, and survival. *Int J Radiat Oncol Biol Phys.* 1996 Mar 1; 34(4):803-8.
21. Sneed PK, Lamborn KR, Larson DA, Prados MD, Malec MK, McDermott MW, Weaver KA, Phillips TL, Wara WM, Gutin PH. Demonstration of brachytherapy boost dose-response relationships in glioblastoma multiforme. *Int J Radiat Oncol Biol Phys.* 1996 Apr 1; 35(1):37-44.
22. Patrice SJ, Sneed PK, Flickinger JC, Shrieve DC, Pollack BE, Alexander E 3d, Larson DA, Kondziolka DS, Gutin PH, Wara WM, McDermott MW, Lunsford LD, Loeffler JS. Radiosurgery for hemangioblastoma: Results of a multiinstitutional experience. *Int J Radiat Oncol Biol Phys* 1996 Jun 1; 35(3):493-499.
23. McDermott MW, Gutin PH. Image-guided surgery for skull base neoplasms using the ISG viewing wand. Anatomic and technical considerations. *Neurosurg Clin N Am.* 1996 Apr; 7(2):285-95.
24. McDermott MW, Cosgrove GR, Larson DA, Sneed PK, Gutin PH. Interstitial brachytherapy for intracranial metastases. *Neurosurg Clin N Am.* 1996 Jul; 7(3):485-95.
25. Shu HK, Sneed PK, Shiau CY, McDermott MW, Lamborn KR, Park E, Ho M, Petti PL, Smith V, Verhey LJ, Wara WM, Gutin PH, Larson DA. Factors influencing survival after gamma knife radiosurgery for patients with single and multiple brain metastases. *Cancer J Sci Am.* 1996 Nov-Dec; 2(6):335-42.
26. Seung SK, Shu HK, McDermott MW, Sneed PK, Larson DA. Stereotactic radiosurgery for malignant melanoma to the brain. *Surg Clin North Am.* 1996 Dec; 76(6):1399-411.

27. McDermott MW. Current treatment of meningiomas. *Curr Opin Neurol.* 1996 Dec; 9(6):409-13.
28. Deschler DG, Gutin PH, Mamelak AN, McDermott MW, Kaplan MJ. Complications of anterior skull base surgery. *Skull Base Surg* 1996; 6(2):113-118.
29. Larson DA, McDermott MW. Radiosurgery. *West J Med* 1996; 165:59-60.
30. Larson DA, Gutin PH, McDermott M, Lamborn K, Sneed PK, Wara WM, Flickinger JC, Kondziolka D, Lunsford LD, Hudgins WR, Friehs GM, Haselsberger K, Leber K, Pendl G, Chung SS, Coffey RJ, Dinapoli R, Shaw EG, Vermeulen S, Young RF, Hirato M, Inoue HK, Ohye C, Shibazaki T. Gamma knife for glioma: selection factors and survival. *Int J Radiat Oncol Biol Phys.* 1996 Dec 1; 36(5):1045-53.
31. Bauman GS, Wara WM, Larson DA, Sneed PK, Gutin PH, Ciricillo SF, McDermott MW, Park E, Stalpers LJ, Verhey LJ, Smith V, Petti PL, Edwards MS. Gamma knife radiosurgery in children. *Pediatric Neurosurgery* 1996; 24:193-201.
32. Shiau CY, Sneed PK, Shu HK, Lamborn KR, McDermott MW, Chang S, Nowak P, Petti PL, Smith V, Verhey LJ, Ho M, Park E, Wara WM, Gutin PH, Larson DA. Radiosurgery for brain metastases: relationship of dose and pattern of enhancement to local control. *Int J Radiat Oncol Biol Phys.* 1997 Jan 15; 37(2):375-83.
33. Kramer JH, Crowe AB, Larson DA, Sneed PK, Gutin PH, McDermott MW, Prados MD. Neuropsychological sequelae of medulloblastoma in adults. *Int J Radiat Oncol Biol Phys.* 1997 Apr 1; 38(1):21-6.
34. Sneed PK, McDermott MW, Gutin PH. Interstitial brachytherapy procedures for brain tumors. *Semin Surg Oncol.* 1997 May-Jun; 13(3):157-66.
35. Barker FG, Chang SM, Huhn SL, Davis RL, Gutin PH, McDermott MW, Wilson CB, Prados MD. Age and the risk of anaplasia in magnetic resonance-nonenhancing supratentorial cerebral tumors. *Cancer.* 1997 Sep 1; 80(5):936-41.
36. Wald LL, Nelson SJ, Day MR, Noworolski SE, Henry RG, Huhn SL, Chang S, Prados MD, Sneed PK, Larson DA, Wara WM, McDermott M, Dillon WP, Gutin PH, Vigneron DB. Serial proton magnetic resonance spectroscopy imaging of glioblastoma multiforme after brachytherapy. *J Neurosurg.* 1997 Oct; 87(4):525-34.
37. McDermott MW, Sneed PK, Gutin PH. Interstitial brachytherapy for malignant brain tumors. *Semin Surg Oncol.* 1998 Jan-Feb; 14(1):79-87.
38. Prados MD, Larson DA, Lamborn K, McDermott MW, Sneed PK, Wara WM, Chang SM, Mack EE, Krouwer HG, Chandler KL, Warnick RE, Davis RL, Rabbitt JE, Malec M, Levin VA, Gutin PH, Phillips TL, Wilson CB. Radiation therapy and hydroxyurea followed by the combination of 6-thioguanine and BCNU for the treatment of primary malignant brain tumors. *Int J Radiat Oncol Biol Phys.* 1998 Jan 1; 40(1):57-63.
39. Barker FG, Chang SM, Gutin PH, Malec MK, McDermott MW, Prados MD, Wilson CB. Survival and functional status after resection of recurrent glioblastoma multiforme. *Neurosurgery.* 1998 Apr; 42(4):709-720: discussion 720-3.
40. Giatri, DV, Sneed PK, McDermott MW, Lamborn KR, Wara WM, Larson DA. Low Failure Rate after Radiosurgery for Brain Metastases from Renal Cell Carcinoma. *Cancer Therapeutics.* 1998; 1(1)27-32.

41. Sneed PK, Stauffer PR, McDermott MW, Diederich CJ, Lamborn KR, Prados MD, Chang S, Weaver KA, Spry L, Malec MK, Lamb SA, Voss B, Davis RL, Wara WM, Larson DA, Phillips TL, Gutin PH. Survival benefit of hyperthermia in a prospective randomized trial of brachytherapy boost +/- hyperthermia for glioblastoma multiforme. *Int J Radiat Oncol Biol Phys.* 1998 Jan 15; 40(2):287-95.
42. Fischbein NJ, Ciricillo SF, Barr RM, McDermott M, Edwards MS, Geary S, Barkovich AJ. Endoscopic third ventriculocisternostomy: MR assessment of patency with 2-D cine phase-contrast versus T2-weighted fast spin echo technique. *Pediatr Neurosurg.* 1998 Feb; 28(2):70-8.
43. Seung SK, Sneed PK, McDermott MW, Shu HK, Leong SP, Chang S, Petti PL, Smith V, Verhey LJ, Wara WM, Phillips TL, Larson DA. Gamma knife radiosurgery for malignant melanoma brain metastases. *Cancer J Sci Am.* 1998 Mar-Apr; 4(2):103-9.
44. George TI, Manley G, Koehler JE, Hung VS, McDermott M, Bollen A. Detection of *Bartonella henselae* by polymerase chain reaction in brain tissue of an immunocompromised patient with multiple enhancing lesions. Case report and review of the literature. *J Neurosurg.* 1998 Oct; 89(4):640-4.
45. Sneed PK, Lamborn KR, Forstner JM, McDermott MW, Chang S, Park E, Gutin PH, Phillips TL, Wara WM, Larson DA. Radiosurgery for brain metastases: is whole brain radiotherapy necessary? *Int J Radiat Oncol Biol Phys.* 1999 Feb 1; 43(3):549-58.
46. Flickinger JC, Kondziolka D, Lunsford LD, Pollock BE, Yamaoto M, Gorman DA, Sneed P, Larson D, Smith V, McDermott MW, Miyawski L, Chilton J, Morantz RA, Young B, Jokura H, Licsak R. A multi-institutional analysis of complication outcomes after arteriovenous malformation radiosurgery. *Int J Rad Onc Biol Physics* 1999 Apr 1; 44(1):67-74.
47. McDermott MW. The outcome of linear accelerator radiosurgery: is an early angiogram needed? *AJNR Am J Neuroradiol.* 1999 Mar; 20(3):374.
48. Lim C.C. T, Dillon WP, McDermott MW. Mucocele Involving the Anterior Clinoid Process: MR and CT Findings. *American Journal of Neuroradiology* 1999 Feb; 20(2): 287-290.
49. Graves EE, Nelson SJ, Vigneron DB, Chin C, Verhey L, McDermott M, Larson D, Sneed PK, Chang S, Prados MD, Lamborn K, Dillon WP. A preliminary study of the prognostic value of proton magnetic resonance spectroscopic imaging in gamma knife radiosurgery of recurrent malignant gliomas. *Neurosurgery.* 2000 Feb; 46(2):319-26; discussion 326-8.
50. Kaplan MJ, McDermott MW, Gutin PH, Lawton MT, Fischbein NJ, Berger MS. Transcutaneous Transfacial Approaches to the Anterior Skull Base. *Operative Techniques in Neurosurgery.* 2000; 3 (1):53-56.
51. Johnston SC, Wilson CB, Halbach VV, Higashida RT, Dowd CF, McDermott MW, Applebury CB, Farley TL, Gress DR. Endovascular and surgical treatment of unruptured cerebral aneurysms: comparison of risks. *Ann Neurol.* 2000 Jul; 48(1):11-9.
52. Ojemann SG, Sneed PK, Larson DA, Gutin PH, Berger MS, Verhey L, Smith V, Petti P, Wara W, Park E, McDermott MW. Radiosurgery for malignant meningioma: results in 22 patients. *J Neurosurg.* 2000 Dec; 93 Suppl 3:62-7.
53. Vigneron D, Bollen A, McDermott M, Wald L, Day M, Moyher-Noworolski S, Henry R, Chang S, Berger M, Dillon W, Nelson S. Three-dimensional magnetic resonance spectroscopic imaging of histologically confirmed brain tumors. *Magn Reson Imaging.* 2001 Jan; 19(1):89-101.

54. Prados MD, Wara WM, Sneed PK, McDermott M, Chang SM, Rabbitt J, Page M, Malec M, Davis RL, Gutin PH, Lamborn K, Wilson CB, Phillips TL, Larson DA. Phase III trial of accelerated hyperfractionation with or without difluoromethylornithine (DFMO) versus standard fractionated radiotherapy with or without DFMO for newly diagnosed patients with glioblastoma multiforme. *Int J Radiat Oncol Biol Phys*. 2001 Jan 1; 49(1):71-7.
55. Theodosopoulos PV, Abosch A, McDermott MW. Intraoperative fiber-optic endoscopy for ventricular catheter insertion. *Can J Neurol Sci*. 2001 Feb; 28(1):56-60.
56. Hoffman R, Sneed PK, McDermott MW, Chang S, Lamborn KR, Park E, Wara WM, Larson DA. Radiosurgery for brain metastases from primary lung carcinoma. *Cancer J*. 2001 Mar-Apr; 7(2):121-31.
57. Graves EE, Nelson SJ, Vigneron DB, Verhey L, McDermott M, Larson D, Chang S, Prados MD, Dillon WP. Serial proton MR spectroscopic imaging of recurrent malignant gliomas after gamma knife radiosurgery. *AJNR Am J Neuroradiol*. 2001 Apr; 22(4):613-24.
58. Dowling C, Bollen AW, Noworolski SM, McDermott MW, Barbaro NM, Day MR, Henry RG, Chang SM, Dillon WP, Nelson SJ, Vigneron DB. Preoperative proton MR spectroscopic imaging of brain tumors: correlation with histopathologic analysis of resection specimens. *AJNR Am J Neuroradiol*. 2001 Apr; 22(4):604-12.
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60. Nakamura JL, Verhey LJ, Smith V, Petti PL, Lamborn KR, Larson DA, Wara WM, McDermott MW, Sneed PK. Dose conformity of gamma knife radiosurgery and risk factors for complications. *Int J Radiat Oncol Biol Phys*. 2001 Dec 1; 51(5):1313-9.
61. Tsao MN, Sneed PK, McDermott MW, Larson DA. Radiosurgery and radiotherapy for lung cancer metastatic to brain. *Clinical Lung Cancer* 2001 Feb; 2(3): 197-203.
62. Goodman KA, Sneed PK, McDermott MW, Shiau CY, Lamborn KR, Chang S, Park E, Wara WM, Larson DA. Relationship between pattern of enhancement and local control of brain metastases after radiosurgery. *International Journal of Radiation Oncology, Biology, and Physics*. 2001 May 1; 50(1): 139-146.
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PEER REVIEW SUBMITTED

1. Simon Ammanuel, BS, Caleb S. Edwards, BA, Andrew K. Chan, MD, Praveen V. Mummaneni, MD, Joseph Kidane, BA, Enrique Vargas, BA, Sarah D'Souza, BA, Sujatha Sankaran, MD, Adib A. Abla, MD, Manish K. Aghi, MD, PhD, Edward F. Chang, MD, Shawn L. Hervey-Jumper, MD, Sandeep Kunwar, MD, Paul S. Larson, MD, Michael T. Lawton, MD, Philip A. Starr, MD, PhD, Philip V. Theodosopoulos, MD, Mitchel S. Berger, MD and Michael W. McDermott, MD. Preoperative Chlorhexidine Showers Are Not Associated With a Reduction in Surgical Site Infection Following Craniotomy: An Examination of 3,126 Surgeries
2. Rachel I. Ekaireb, M.D., Caleb S. Edwards, B.A., Muhammad S. Ali, M.D., Minh P. Nguyen, B.S., Vikas Daggubati, B.A., Manish K. Aghi, M.D., Ph.D., Philip V. Theodosopoulos, M.D., Michael W. McDermott, M.D., Stephen T. Magill M.D., Ph.D., Meningioma surgical outcomes and complications in patients aged 75 years and older.

PEER REVIEW IN PRINT

1. Alexander Fadi Haddad, Jacob S Young, Ishan Kanungo, Sweta Sudhir, Jia-Shu Chen, David R Raleigh, Stephen T Magill, Michael W McDermott, Manish K Aghi. Manuscript title: WHO Grade I Meningioma Recurrence: Identifying High Risk Patients Using Histopathological Features and the MIB-1 Index. Journal: *Frontiers in Oncology*, section Neuro-Oncology and Neurosurgical Oncology. ID: 568661

BOOKS AND CHAPTERS

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SIGNIFICANT PUBLICATIONS

1. Modern surgical outcomes following surgery for sphenoid wing meningiomas. Sughrue ME, Rutkowski MJ, Chen CJ, Shangari G, Kane AJ, Parsa AT, Berger MS, **McDermott MW** J Neurosurg. 2013 Jul;119(1):86-93. doi: 10.3171/2012.12.JNS11539. Epub 2013 Feb 22.

For this paper I was responsible for project conception and mentoring of resident first author leading the editorial revisions prior to submission. I also drafted the editorial response for the Journal of Neurosurgery after publication of the article.

2. Incidence, risk factors, and outcome of venous infarction after meningioma surgery in 705 patients. Sughrue ME, Rutkowski MJ, Shangari G, Fang S, Parsa AT, Berger MS, **McDermott MW**. J Clin Neurosci. 2011 May;18(5):628-32. doi: 10.1016/j.jocn.2010.10.001. Epub 2011 Feb 23.

I lead project conception in response to request by neuroradiology to try and establish cause for this uncommon complication. I lead the editorial review/revisions and mentored the lead resident author on items of importance.

3. Results with judicious modern neurosurgical management of parasagittal and falx meningiomas. Clinical article. Sughrue ME, Rutkowski MJ, Shangari G, Parsa AT, Berger MS, **McDermott MW**. J Neurosurg. 2011 Mar;114(3):731-7. doi: 10.3171/2010.9.JNS10646. Epub 2010 Oct 15.

I lead project conception in follow-up to presentations in the literature about aggressive surgical treatment of these tumors. Again lead review of manuscript and discussion section. This article is cited often in literature.

4. Clinical characteristics and surgical outcomes of patients presenting with meningiomas arising predominantly from the floor of the middle fossa. Sughrue ME, Cage T, Shangari G, Parsa AT, **McDermott MW**. Neurosurgery. 2010 Jul;67(1):80-6; discussion 86. doi: 10.1227/01.

The idea for this manuscript was mine based on years of surgical observations. This was a new meningioma subtype described by location and included a series of patients from our review of over 800 cases here at UCSF between 1997 and 2006. I lead project conception, classification scheme and edited artwork attached to article. I helped write and edit final manuscript.

5. Outcome and survival following primary and repeat surgery for World Health Organization Grade III Meningiomas. Sughrue ME, Sanai N, Shangari G, Parsa AT, Berger MS, **McDermott MW**. J Neurosurg. 2010 Aug;113(2):202-9. doi: 10.3171/2010.1.JNS091114.

I lead project conception for this paper, the largest clinical series of malignant meningiomas in the literature. I helped write, edit and construct paper by lead resident author. I was lead surgeon for most of the patients in this series.

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