



CEDARS-SINAI MEDICAL CENTER.
Maxine Dunitz Neurosurgical Institute

Adam Nathaniel Mamelak, MD

Attending Neurosurgeon, Maxine Dunitz Neurosurgical Institute
Co-Director, Pituitary Center

Cedars-Sinai Medical Center
Maxine Dunitz Neurosurgical Institute
8631 W. Third St., Suite 800 E, Los Angeles, CA 90048
Office (310) 423-7900
Fax (310) 423-7955

Education:

Tufts University, Medford, Massachusetts
Physics, with Highest Honors 1985

Harvard Medical School, Boston, MA
Medical Degree, with Honors in a Special Field 1990

Post-Graduate Training:

University of California at San Francisco Medical Center,
San Francisco, California
Internship, General Surgery 1991

University of California at San Francisco Medical Center,
San Francisco, California
Resident in Neurosurgery 1991-1995

University of California at San Francisco Medical Center,
San Francisco, California
Clinical Fellowship, Neuro-Oncology Services 1992

University of California at San Francisco Medical Center,
San Francisco, California
Clinical Fellowship, Epilepsy Research Laboratory 1994-1995

University of California at San Francisco Medical Center,
San Francisco, California
Chief Resident in Neurological Surgery 1995-1996

California Institute of Technology & Huntington Medical Research
Pasadena, California
Neuroscience Research Fellowship, Postdoctoral Scholar in Biology 1996-1997

Academic Appointments:

Research Assistant
Department of Physics (High Energy Physics)
University of Pennsylvania
Batavia, Illinois 1983

Research Assistant
Department of Nuclear Medicine
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania 1983-1984

Research Associate
Laboratory of Neurophysiology
Massachusetts Mental Health Center, Harvard Medical School
Boston, Massachusetts 1986-1990

Teaching Assistant
Division of Biopsychology
Harvard University Extension
Boston, Massachusetts 1990

Visiting Associate
Department of Biology
California Institute of Technology
Pasadena, California 1997-Present

Full-Time Teaching Faculty
Department of Surgical Residency
Huntington Hospital
Pasadena, California 1996-Present

Assistant Professor and Section Head of Neurosurgery
Department of General and Oncological Surgery
City of Hope National Medical Center
Duarte, California 1996-Present

Proctor, Summer Undergraduate Research Fellowship
Department of Biology
California Institute of Technology
Pasadena, California 1997

Faculty Instructor, Oral Neurosurgery Boards
American Association of Neurological Surgeons:
Professional Development Courses
Houston, Texas 2000-2001

Administrative Appointments:

Neurosurgical Director
Epilepsy and Brain Mapping Program
Huntington Memorial Hospital
Pasadena, California 1997-Present

Post-Doctoral Advisor to Robert Astur, PhD.
 Department of Biology
 California Institute of Technology
 Pasadena, California 1998-2000

Doctoral Advisor to Miguel Aromondes, DVM.
 Department of Biology
 California Institute of Technology
 Pasadena, California 2000-2001

Attending Neurosurgeon, Maxine Dunitz Neurosurgical Institute
 Department of Surgery
 Cedars-Sinai Medical Center
 Los Angeles, California 2005-Present

Honors and Awards:

Phi Beta Kappa, Tufts University 1985
 Benjamin G. Brown Scholarship for Scientific Excellence, Tufts University 1985
 Victor Prather Class of 1927 Prize, Tufts University 1985
 Harvard Medical School Summer Research Fellowship 1986
 IEEE Conference on "Neural Information Processing Systems,
 Natural and Synthetic" Traveling Scholarship 1987
 Joseph P. Collins Research Fellowship, Harvard Medical School 1988
 Selected Presentation, Soma Weiss Undergraduate Assembly,
 Harvard Medical School 1988
 Sirgay Sanger Prize for Best Psychiatry Research Paper,
 Harvard Medical School 1990
 Magna cum Laude, Harvard Medical School 1990
 First Place, American College of Surgeons Committee on Trauma Residents
 Paper Competition, Northern California Chapter 1994
 Pasadena Neurosciences Fellowship 1996
 Young Clinician Investigator Award,
 American Association of Neurological Surgeons 1997
 Junior Investigator Award; American Epilepsy Society 1997
 National Brain Tumor Foundation AANS/CNS Award,
 Best Translational Research by a Practicing Neurosurgeon 1999

Professional Societies and Memberships:

Massachusetts Medical Society, Student Member 1986-1990
 Congress of Neurological Surgeons 1990-Present
 AANS Section on Tumors 1992-Present
 American Epilepsy Society 1992-Present
 AANS Provisional Member 1994-1997
 Los Angeles County Medical Association 1996-Present
 California Association of Neurological Surgeons 1996-Present
 Society of Neuro-Oncology 1998-Present
 Los Angeles Surgical Society 2000-Present
 Fellow, American College of Surgeons 2001- Present
 Western Neurosurgical Society 2001-Present

Certificates and Licensure:

Diplomat, American Board of Neurological Surgery 2000
 California State Medical License 1990-Present

University and Hospital Committees:

Residency Education Committee, UCSF Department of Neurosurgery	1994-1996
Trauma Advisory Committee, Huntington Memorial Hospital	1996-2000
Critical Care Committee, Huntington Memorial Hospital	2001-Present

National Committees:

City of Hope National Medical Center, Medical Quality Task Force	1997-Present
Congress of Neurological Surgeons Annual Meeting, Sergeant at Arms Committee	1995
National Comprehensive Cancer Network, Clinical Guidelines Committee	1998-Present
American Epilepsy Society, Technology Committee	2000-Present
American Epilepsy Society, Neurosurgery Task Force	2000-Present
Society for Neuro-Oncology, Site Selection Committee	2001-Present
AANS/CNS Joint Section on Tumors, Executive Board	2003-Present
International Brain Mapping and Intra-operative Surgical Planning Symposium (IBMISP), Board of Directors	2005

Other Services:

Clinical Trials Advisory Board Member, Transmolecular Industries	1988
Ad Hoc Medical Reviewer for ABC Medical News, with Correspondent Robert Sergel	1988

Editorial Boards:

Editorial Board Member: Select Reviews in <i>Neuro-Oncology</i>	2000-2001
Ad Hoc Reviewer: <i>Epilepsia</i>	2003-Present

Patents Awarded:

Electronic Sleep Headgear	1989
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Grant Support Awarded:

Principal Investigator, Pasadena Neurosciences Fellowship: Two-Photon Laser Scanning Microscopy of Mossy Fiber Sprouting Following Seizures.	1996-1997
Principal Investigator, American Association of Neurological Surgeons Young Clinician Award: Injury Induced Hippocampal Reorganization.	1997-1998

Principal Investigator, Caltech Engineering Research Council Pilot Project Grant: Neuronal Correlates of Human Memory Formation.	1998-1999
Co-Investigator, Gimbel Foundation Discovery Award: Neuronal Correlates of Human Memory Formation.	1998-2001
Principal Investigator, Kagan Foundation Grant, City of Hope National Medical Center Grant: Development of Spatio-Spectral Pulse Techniques for Whole Brain Spectroscopic Mapping of Brain Tumor Metabolites.	1998-2001
Principal Investigator, Transmolecular Industries, Inc. and National Brain Tumor Foundation Award: Phase I Open label, Single-Dose Trial of ¹³¹ I-TM-601 in Patients with Recurrent High-Grade Glioma.	2002-2004
Principal Investigator, Cyberonics, Inc. Grant: Seizure Control and Quality of Life Following Vagus Nerve Stimulation in Patients with Developmental Disabilities Living in an ICF-DD Environment.	2000-2003
Co-Principal Investigator, NIH/NCI Grant: R01 CA 103959-01A1: Glioma Immunotherapy Using Genetically Engineered T-Cells.	2004-2007
Co-Principal Investigator, McKnight Neurosciences of Brain Disorders Award: A Human Cortical Prosthetic to Assist Severely Paralyzed Patients.	2005-2008

Other Clinical Trials:

Principal Investigator, Neopharm, Inc. (Sponsor):
IRB #04000: 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.

Principal Investigator, Transmolecular Industries (Sponsor):
IRB #04086: Phase II Open-label Multiple Dose Trial of Intracavitary ¹³¹I-TM-601 in Adult Patients with Recurrent High Grade Glioma.

Co-Investigator:
IRB #04042: The influence of culture and ethnicity on the quality of life of patients with malignant glioma.

Publications in Scientific Journals:

1. **Mamelak AN**, Quattrochi JJ, Hobson JA: A microcomputer-based system for automated collection and scoring of behavioral state in cats. Brain Research Bulletin 21(5):843-849, 1988.
2. **Mamelak AN**, Hobson JA: Nightcap: A home-based sleep monitoring system. Sleep 12(2):157-166, 1989.

3. **Mamelak AN**, Hobson JA: Dream bizarreness as the cognitive correlate of altered neuronal discharge during REM sleep. Journal of Cognitive Neuroscience 1(3):201-222, 1989.
4. Quattrochi JJ, **Mamelak AN**, Madison RD, Macklis JD, Hobson JA: Mapping neuronal inputs to REM sleep induction sites with carbachol fluorescent microspheres. Science 245:984-986, 1989.
5. Yamamoto KI, **Mamelak AN**, Quattrochi JJ, Hobson JA: A cholinceptive desynchronized sleep induction zone in the anterodorsal pontine tegmentum: Focus of the sensitive region. Neuroscience 39(2):279-293, 295-304, 1990.
6. **Mamelak AN**, Quattrochi JJ, Hobson JA: Automated staging of sleep using neural networks. Electroencephalography and Clinical Neurophysiology 79:52-61, 1991.
7. Quattrochi JJ, **Mamelak AN**, Binder D, Williams J, Hobson JA: Dynamic suppression of REM sleep by parenteral administration of the serotoni-1 agonist Eltoprazine. Sleep 15(2):125-132, 1992.
8. Sutton JP, **Mamelak AN**, Hobson JA. Modeling states of waking and sleeping. Psychiatric Annals 22(3):137-143, 1992.
9. **Mamelak AN**, Mampalam TJ, Rosenblum ML: Brain abscesses: Diagnosis and management. Hospital Medicine 28(9):22-38, 1992.
10. Quattrochi JJ, **Mamelak AN**, Binder D, Williams J, Hobson JA: Dose-related suppression of REM sleep and PGO waves by the serotonin-1 agonist Eltoprazine. Neuropsychopharmacology 8(1):7-13, 1993.
11. **Mamelak AN**, Kelly W, Davis RL, Rosenblum ML: Idiopathic hypertrophic cranial pachymeningitis: Report of three cases and review of the literature. Journal of Neurosurgery 79: 270-276, 1993.
12. **Mamelak AN**, Barbaro NB, Walker JL, Laxer KD: Corpus callosotomy: A quantitative study of the extent of callosotomy, seizure control, and neuropsychological outcome. Journal of Neurosurgery 79:688-695, 1993.
13. **Mamelak AN**, Prados M, Obana WG, Cogen PH, Edwards MSB: Multicentric juvenile pilocytic astrocytoma: Prevalence, risk factors for development, treatment options, and prognosis. Journal of Neurosurgery 81:24-30, 1994.
14. **Mamelak AN**, Cogen PH, Barkovich AJ: "Filum Intermedium" sign: *In utero* spinal cord infarct with an extraspinal thecal sac. Journal of Neurosurgery 81:941-946, 1994.
15. **Mamelak AN**, Obana WG, Flaherty JF, Rosenblum ML: Myocardial brain abscess: Treatment strategies and factors influencing outcome. Neurosurgery 35(4):622-631, 1994.
16. **Mamelak AN**, Kelly W, Davis RL, Rosenblum ML: Idiopathic hypertrophic cranial pachymeningitis. Journal of Neurosurgery 80(3):597-598, 1994.
17. Prados M, **Mamelak AN**: Metastasizing low grade glioma in children: Redefining an old disease. Cancer 73:2671-2673, 1994.

18. **Mamelak AN**, Mampalam TJ, Obana WG, Rosenblum ML: Improved management of multiple brain abscesses: A combined surgical and medical approach. Neurosurgery 36(1): 76-86, 1995.
19. **Mamelak AN**, Pitts LH, Damron S: Predicting outcome from head trauma twenty-four hours after injury: A practical method with therapeutic implications. Journal of Trauma 41: 341-352, 1996.
20. **Mamelak AN**, Dowd CF, Tyrell JB, Wilson CB: Venous angiography improves interpretation of inferior petrosal sinus and cavernous sinus sampling data for localizing ACTH-secreting adenomas. Journal of Clinical Endocrinology and Metabolism 81:475-481, 1996.
21. Deschler DG, Kaplan MJ, Gutin PG, **Mamelak AN**, McDermott MW: Complications of anterior skull base surgery. Skull Base Surgery 6(2):113-118, 1996.
22. **Mamelak AN**, Fishman R, Dillon WP, Wilson CB: Chiari I malformation associated with syringomyelia and bilateral subdural hematomas (letter). Journal of Neurosurgery 83, 1996.
23. **Mamelak AN**, Eggerding FA, Oh DS, Wilson E, Davis RL, Spitzer R, Hay JA, Caton WL: Fatal cyst formation following fetal mesencephalic allograft transplant for Parkinson's Disease. Journal of Neurosurgery 89:592-598, 1998.
24. Lin A, Bluml S, **Mamelak AN**: Efficacy of quantitative magnetic resonance spectroscopy for clinical decision making in patients with suspected brain tumors. J. Neuro-Oncology 45:69-81, 1999.
25. **Mamelak AN**: Cyst formation following fetal allograft; editorial response (letter). Journal of Neurosurgery 90:yy, 1999.
26. Aktari M, Bryant HC, **Mamelak AN**, Heller L, Shih JJ, Mandelkern M, Matlachov A, Ranken DM, Best ED, Sutherling WS: Conductivity of three-layered skull. Brain Topography 13(1):1-13, 2000.
27. Najbauer J, Schuman E, **Mamelak AN**: Sodium salicylate exacerbates neuronal injury and cerebral hemorrhage during kainic acid induced seizures. Neuroscience 99:17-117, 2000.
28. Tyszka JM, **Mamelak AN**. Volumetric multi-shot echoplanar spectroscopic imaging. Magnetic Resonance Medicine 46(2):219-227, 2001.
29. Shih CC, Weng Y, **Mamelak AN**, LeBon T, Hu M, Forman SJ: Identification of a candidate human neurohematopoietic stem cell population. Blood 98(8):2412-2422, 2001.
30. Sutherling WW Akhtari M, **Mamelak AN**, Mosher J, Arthur D, Sands S, Weiss P, Lopez N, DiMauro M, Flynn E: Dipole Localization of human induced after discharge seizure in simultaneous magnetoencephalography and electrocorticography. Brain Topography 14(1):101-116, 2001.
31. Cullinane C, Chu DZ, **Mamelak AN**. Surgical options for the treatment of cancer pain. Issues in Cancer Pain: Models of Success. Cancer Practice 10 (Suppl.1), S21-S26, 2002.

32. Astur RS, Taylor LB, **Mamelak AN**, Philpott L, Sutherland RJ: Humans with hippocampus damage display severe spatial memory impairments in a virtual Morris water task. Behavioral Brain Research 132(1):77-84, 2002.
33. **Mamelak AN**, Lopez N, Akhtari M, Sutherling WW: Magnetoencephalography directed surgery for neocortical epilepsy. Journal of Neurosurgery 97(4):859-867, 2002.
34. **Mamelak AN**, Withers GJ, Wang X: Metastatic choriocarcinoma to the Brain with co-existent viable intrauterine pregnancy. Journal of Neurosurgery 97(2):477-81, 2002.
35. Tyszka JM, **Mamelak AN**: Quantification of B0 homogeneity variation with head pitch by registered three-dimensional field mapping. Journal of Magnetic Resonance 159(2):213-218, 2002.
36. Akhtari M, Bryant HC, **Mamelak AN**, Flynn ER, Heller L, Shih JJ, Mandelkern M, Matlachov A, Ranken DM, Best ED, DiMauro MA, Lee RR, Sutherling WW: Conductivities of three-layer live human skull. Brain Topography 14(3):151-167, 2002.
37. Shih CC, **Mamelak AN**, LeBon T, Forman SJ. Neurohematopoetic Stem Cells. Nature Medicine 8(6):535-536, 2002.
38. Shih CC, Digusto D, **Mamelak AN**, Lebron T, Forman SJ: Hematopoetic potential of neural stem cells: Plasticity vs. heterogeneity. Leukemia & Lymphoma 43(12):2263-2268, 2002.
39. Akhtari M, Matlachov A, Merrifield W, Bryant HC, **Mamelak AN**, Flynn ER, Heller L, Shih JJ, Mandelkern M, Ranken DM, Best ED, Lee RR, Sutherling WW: A model of frequency dependence of conductivities of the live human skull. Brain Topography 16(1):39-55, 2003.
40. Lau SK, Chen YY, Diamond DJ, **Mamelak AN**, Zaia JA, Weiss LM: Lack of association of human cytomegalovirus with human brain tumors. Modern Pathology 2004.
41. Hockaday D, Colcher D, Raubitschek A, Shien S, Fiveash J, **Mamelak AN**: Imaging of glioma extent with ¹³¹I-TM-601. Journal of Nuclear Medicine 46(4):580-586, 2005.
42. Rizzuto DS, **Mamelak AN**, Sutherling WW, Andersen RA: Neural activity during the delayed reach task in humans. Nature Neuroscience 8(4):415-417, 2005.
43. Bhattacharya J, Edwards J, **Mamelak AN**, Schuman EM: Long-range temporal correlations in the spontaneous spiking of neurons in the hippocampal-amygdala complex of humans. Neuroscience 13:547-555, 2005.
44. Huf R, **Mamelak AN**, Kneedy-Cayem K: Vagus nerve stimulation therapy: 2-year prospective open-label study of 40 subjects with refractory epilepsy, Low IQ, and living in long-term care facilities. Epilepsy and Behavior 6(3):417-423, 2005.
45. **Mamelak AN**. Loco-regional therapies for glioma. Oncology, December 2005.
46. Rutishauser U, **Mamelak AN**, Schuman E: Single-cell representation of novelty and familiarity in the human hippocampus-amygdala complex requires task relevance. Neuron (In Press).

47. Rutishauer U, **Mamelak AN**, Schuman EM: Online detection and sorting of extracellular recorded action potentials. J. Neuroscience Methods (In Press).

Scientific Papers (Submitted):

1. Morgan RJ, Synold T, **Mamelak AN**, Lim D, Al-Kadhimi Z, Twardowski P, Leong L, Chow W, Margolin K: Phase 1 trial of tamoxifen, carboplatin, and topotecan in the treatment of recurrent or refractory brain or spinal cord tumors. Neuro-Oncology (Submitted).

Book Chapters and Invited Articles:

1. **Mamelak AN**: Autocat: A microcomputer based data acquisition and analysis system for sleep studies in the cat. (User's manual version 1.0-2.1.) Laboratory of Neurophysiology. Harvard Medical School, 1988.
2. **Mamelak AN**: The desynchronized sleep generating network: A combined anatomical, physiological, and pharmacological analysis. Senior thesis for honors in a special field. Harvard Medical School, 1990.
3. Sutton JP, **Mamelak AN**, Hobson JA. Network models of state-dependent sequencing. Moody, Hanson, Lippman (eds): Advances in Neural Information Processing Systems. Kaufman, San Mateo, pp 283-290, 1992.
4. Hobson JA, B, Sutton JP, **Mamelak AN**: Models wanted: Must fit dimensions of sleep and dreaming. Moody, Hanson, Lippman (eds): Advances in Neural Information Processing Systems. Kaufman, San Mateo, pp 3-10, 1992.
5. **Mamelak AN**: Coma. Carskadon MA (ed): Encyclopedia of Sleep and Dreaming. Macmillan Publishing Co., New York, pp 131-133, 1993.
6. **Mamelak AN**, Edwards MSB: Principles of Neurosurgery. Cohen ME, Duffner PK (eds): Brain Tumors in Children. Raven Press, New York, pp 79-93, 2nd Edition, pp 79-93, 1994.
7. **Mamelak AN**, Lowenstein DH: Fundamentals of molecular biology. Engel J, Pedley R (eds): Epilepsy: A Comprehensive Textbook. Raven Press, New York, 1997.
8. DeAngelis L, Loeffler J, **Mamelak AN**. Primary and metastatic brain tumors. Wagman L (ed): Cancer Management: A Multidisciplinary Approach. PRR Press, New York, 1998.
9. **Mamelak AN**, Lowenstein DH: Fundamentals of molecular biology. Engel J, Pedley R (eds): Epilepsy: A Comprehensive Textbook (CD-ROM Version). Raven Press, New York, 1998.
10. **Mamelak AN**, Eggerding FA, Oh DS, Wilson E, Davis RL, Spitzer R, Hay JA, Caton WL: Fatal cyst formation following fetal mesencephalic allograft transplant for Parkinson's disease. Lang A (ed): Focus on Parkinson's Disease. Excerpta Medica, Amsterdam, 1999.
11. Sutherling WW, Akhtari M, **Mamelak AN**, Mosher J, Arthur D, Lopez N, Leahy R, Nichols JE, Sarafian J, Merrifield W, Padilla R, Eto R, and Flynn, E: Neuromagnetism of clinical epilepsy. Hirose A (ed) Textbook of Epilepsy, 2004.

12. **Mamelak AN**, Pezner R, Grannis F, Morgan R: Non-small cell lung cancer brain metastasis. Berger M and Prados MD (eds): Textbook of Neuro-Oncology. Elsevier Saunders Press, Philadelphia, pp 391-398, 2004.

Published Abstracts, Book Reviews, Letters to the Editor, and Scientific Presentations:

1. **Mamelak AN**, Hobson JA: An automated sleep-state scoring system for cats. Sleep Research 16:565-566, 1987.
2. **Mamelak AN**, Hobson JA: Nightcap--a portable, movement based sleep monitoring system: Methodology. Sleep Research 16:567, 1987.
3. Quattrochi J, Hensch T, **Mamelak AN**, Hobson JA: Computer network reconstruction of projection populations to cholinceptive REM sleep induction sites. Society Neuroscience Abstracts 14(2):908, 1988.
4. Yamamoto KI, **Mamelak AN**, Quattrochi J, Hobson JA: Single unit analysis of cholinergic REM sleep induction sites. Sleep Research 17:13, 1988.
5. Quattrochi J, Madison R, Hensch T, **Mamelak AN**, Yamamoto KI, Hobson JA: Retrograde labeling of neuronal populations projecting to cholinceptive REM sleep induction sites. Sleep Research 17:13, 1988.
6. Yamamoto KI, **Mamelak AN**, Quattrochi J, Hobson JA: Single unit analysis of cholinergic REM sleep induction: Preliminary results. Sleep Research 17:21, 1988.
7. Quattrochi J, Baghdoyan H, Madison R, Hensch T, **Mamelak AN**, Yamamoto KI, Hobson JA: Carbachol conjugated microspheres: A new pharmacologically active retrograde probe for mapping behaviorally effective drug injection sites in the mammalian brain. Sleep Research 17:57, 1988.
8. **Mamelak AN**, Hobson JA: A portable, movement based sleep monitoring system: Methodology and results. Sleep Research 17:338, 1988.
9. **Mamelak AN**, Quattrochi J, Yamamoto KI, Hobson JA: An automated sleep-state scoring system for cats. Sleep Research 17:339, 1988.
10. Quattrochi J, Madison R, Hensch T, **Mamelak AN**, Yamamoto KI, Hobson JA: 3-D computer reconstruction of neuronal populations projecting to REM sleep induction sites. Sleep Research 17:347, 1988.
11. Yamamoto KI, **Mamelak AN**, Quattrochi J, Hobson JA: Localization of D sleep induction zone with short latency by microinjection of carbachol in a head restrained cat. Soc Neurosc Abs. 14(2):1307, 1988.
12. **Mamelak AN**, Quattrochi J, Wolf M, Hobson JA: β -adrenergic blockade of the pontine FTG by timolol. Soc Neurosc Abs., 15(2):1176, 1989.
13. Quattrochi J, Mackli J, **Mamelak AN**, Feldman J, Hobson JA: Towards a pathophysiological model of narcolepsy-cataplexy. Soc Neurosc Abs. 15(1): 243, 1989.
14. Sutton JP, **Mamelak AN**, Hobson JA: Neural network model of state-dependent sequences. Sleep Research 20: 1991.

15. **Mamelak AN**, Barbaro N, Walker J, Laxer K: Pre and post-operative assay of corpus callosum size, IQ, and language lateralization in patients undergoing corpus callosotomy for control of generalized seizures. Abstract of Congress of Neurological Surgeons Annual Meeting 42:77, 1992.
16. **Mamelak AN**, Prados M, Ciricillo SF, Cogen PH, Edwards MSB: Multicentric juvenile pilocytic astrocytoma. Abstracts of Pediatric Section AANS, Annual Meeting, 1992.
17. **Mamelak AN**, Mampalam TJ, Rosenblum ML: Algorithm for the treatment of multiple brain abscesses: Methods and results. AANS Annual Meeting (abstracts) 61:340, 1993.
18. Deschler DG, Kaplan MJ, Gutin PG, **Mamelak AN**, McDermott MW: Complications of anterior skull base surgery. German and North American Skull Base Societies Joint Annual Meeting (abstract), 1994.
19. **Mamelak AN**, Damron S, Pitts LH: Long-term outcome from head injury can be reliably predicted 24 hours after injury by a bedside neurological exam. Neurosurgery 35:572, 1994.
20. **Mamelak AN**, Barbaro NB, Walker JL, Laxer KD: Callosotomy without disconnection? (letter) Journal of Neurosurgery 81:328-329, 1994.
21. **Mamelak AN**, Prados M, Obana WG, Cogen PH, Edwards SB: Multicentric JPA and neurofibromatosis. (letter). Journal of Neurosurgery 82:175, 1995.
22. **Mamelak AN**, Dowd CF, Tyrell JB, McDonald J, Wilson CB: Venous angiography improves interpretation of venous sampling data for lateralizing ACTH-secreting adenoma in Cushing's disease. Congress of Neurological Surgeons Annual Meeting (abstract) pp 334-335, 1995.
23. **Mamelak AN**, Sohal R, Barbaro N, Lowenstein DH: Identification of genes preferentially expressed during hippocampal mossy fiber sprouting. Epilepsia (Suppl. 4) 36:26, 1995.
24. **Mamelak AN**, McDermott M: Prophylactic use of anticonvulsants in neurosurgery: A meta-analysis. American Association of Neurological Surgeons Annual Meeting (abstracts), 1997.
25. **Mamelak AN**, Eggerding F, Wilson E, Davis R, Spitzer R, Hay J, Caton WL: Fatal inflammatory response to fetal mesencephalic allograft transplant for Parkinson's disease. Congress of Neurological Surgeons Annual Meeting. 1997.
26. **Mamelak AN**, Potter S, Kantor D, Schuman E, Fraser S: Time-lapse imaging of mossy fiber sprouting using two-photon laser scanning microscopy. American Epilepsy Society Annual Meeting. 1997.
27. Potter SM, Kantor D, **Mamelak AN**, Schuman EM, Fraser SE: CA1 pyramidal neuron dendritic spines imaged with two-photon laser scanning microscopy. Soc Neurosc Abs. 1997.
28. **Mamelak AN**: Modeling the neuronal basis of dreaming with computational neural Networks. Division of Applied Sciences Seminar, Harvard University. Cambridge, MA, March 1989.

29. **Mamelak AN:** Coagulopathy and intracranial hemorrhage. Neurology/Neurosurgery Conference, Veterans Administration Medical Center. San Francisco, CA, November 1990.
30. **Mamelak AN:** A neuroscience approach to dreams and dreaming. Bay Area Association of Neuroscience Nurses, University of California at San Francisco. San Francisco, CA, November 1991.
31. **Mamelak AN:** A quantitative assay of corpus callosum size and extent of callosotomy in relation to seizure control and neuropsychological outcome. Joint Section on Stereotactic and Functional Neurosurgery, Annual Meeting of Congress of Neurological Surgeons. Washington, D.C., October 1992.
32. **Mamelak AN:** Multicentric juvenile pilocytic astrocytoma. Annual Meeting of the Pediatric Section of the American Association of Neurological Surgeons. Vancouver, B.C., December 1992.
33. **Mamelak AN:** Predicting outcome from head trauma twenty-four hours after injury: A practical method with therapeutic implications. Joint Section on Neurotrauma and Critical Care, Annual Meeting of Congress of Neurological Surgeons. Chicago, IL, October 1994.
34. **Mamelak AN:** Corpus callosotomy. Epilepsy Lecture Series, University of California San Francisco. San Francisco, CA, January 1995.
35. **Mamelak AN:** Neurosurgical Management of Parkinson's Disease. Grand Rounds, Henry Ford Medical Center, Detroit, MI, January 1995.
36. **Mamelak AN:** Functional reorganization of the hippocampus following injury: Parallels between development and epileptogenesis. Grand Rounds, University of Chicago Medical Center. Chicago, IL, July 1995.
37. **Mamelak AN:** Development of a sprouting-specific cDNA library by subtractive hybridization. Annual Meeting of the American Epilepsy Society. Baltimore, MD, December 1995.
38. **Mamelak AN:** Mossy fiber sprouting following seizures is dependent on reactivation of developmental genetic programs. Medical College of Pennsylvania. Philadelphia, PN, December 1995.
39. **Mamelak AN:** Seizures induce gene expression which may promote axonal guidance. California Institute of Technology. Pasadena, CA, January 1996.
40. **Mamelak AN:** Corpus callosotomy epilepsy lecture series. University of California, San Francisco. San Francisco, CA, June 1996.
41. **Mamelak AN:** Predicting outcome from head trauma twenty-four hours after injury. Pediatric Rounds, Huntington Memorial Hospital. Pasadena, CA, September 1996.
42. **Mamelak AN:** Neurosurgery and neuroimaging. Biological Imaging Center Weekly Lab Meeting, California Institute of Technology. Pasadena, CA, October 1996.
43. **Mamelak AN, Potter S, Kantor D, Schuman E, Fraser S:** Time-lapse imaging of mossy fiber sprouting using two-photon laser scanning microscopy. Western Neurosurgical Society Annual Meeting. 1997.

44. **Mamelak AN:** Lights, Camera, Axon: Two-photon imaging of mossy fiber sprouting following injury. City of Hope National Medical Center Neurosciences Seminar. Duarte, CA, March 20, 1997.
45. **Mamelak AN:** Neuro-assessment in the ICU. Huntington Memorial Hospital Critical Care Update for Nurses. Pasadena, CA, June 1997.
46. **Mamelak AN:** Management of Children with Brain Tumors. City of Hope National Medical Center. Duarte, CA, October and November 1997.
47. **Mamelak AN:** Neurosurgical Issues in the Management of Childhood Brain Tumors. Pediatric Grand Rounds, Huntington Memorial Hospital. Pasadena, CA, March 1998.
48. **Mamelak AN:** Epilepsy: Clinical and research aspects. California Institute of Technology. Pasadena, CA, March 1998.
49. **Mamelak AN:** Vagus Nerve Stimulation for Epilepsy. Epilepsy: Focus on the Patient Symposium. Pasadena, CA, March 1998.
50. **Mamelak AN:** Recent advances in the management of cerebral metastases. Oncology update '98. City of Hope National Medical Center. Duarte, CA, July 1998.
51. **Mamelak AN:** Management of cerebral metastases. Grand Rounds, St. Joseph's Hospital. Burbank, CA, November 1998.
52. **Mamelak AN:** Epilepsy and brain mapping techniques. Medical Grand Rounds, Huntington Memorial Hospital. Pasadena, CA, January 1999.
53. **Mamelak AN:** Recent advances in the management of cerebral metastases. ALCASE Lung Cancer Symposium, City of Hope National Medical Center. Duarte, CA, January 1999.
54. **Mamelak AN:** Treatment options for cerebral metastases. Committee on Cancer Symposium, Huntington Memorial Hospital. Pasadena, CA, August 1999.
55. **Mamelak AN:** Advances in brain mapping techniques. Medical Grand Rounds, Monterey Park Hospital. Monterey Park, CA, November 1999.
56. **Mamelak AN:** Rapid whole brain metabolite specific MRI: Preliminary results. American Epilepsy Society Annual Meeting. Orlando FL, December 1999.
57. Doudikian N, Paz B, **Mamelak AN**, Ellenhorn J, Maryon-Odom T, Wagman LD: Craniofacial resection provides survival advantage for patients with squamous cell carcinoma of the skull base. American Association of Neurological Surgeons Annual Meeting. 1999.
58. Doudikian N, Paz B, **Mamelak AN**, Ellenhorn J, Maryon-Odom T, Wagman LD: Is surgery indicated for the treatment of invasive squamous cell and basal cell carcinoma of the cranium and skull base? Society for Surgical Oncology Annual Meeting. 1999.
59. Morgan R, Synold T, Doroshow J, **Mamelak AN**, Pezner R, Openshaw H: Systemic and cerebrospinal fluid levels of weekly high-dose paclitaxel in a brain tumor patient on anti-convulsants: Lower than expected end of infusion systemic concentration. Neuro-Oncology 1: 4, 327, 1999.

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