Bio

ACADEMIC APPOINTMENTS

• Emeritus Faculty - Med Ctr Line, Radiology - General Radiology

LINKS

• http://www-radiology.stanford.edu/people/Lane_Bart.html: http://www-radiology.stanford.edu/people/Lane_Bart.html

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

As a professor in the Medical Center Line, my primary investigative interest has been in clinical neuroradiology. This encompasses spinal cord and spine disease, degenerative and demyelinating diseases of the central nervous system, strokes and infarction, and chronic epilepsy syndromes. Facial and head and neck vascular malformations and hemangiomas have been a focus of interest for many years, with collaborative projects involving dermatology and functional restoration services.

Clinical projects utilizing magnetic resonance imaging, computed tomography, cerebral angiography and other neuroradiologic techniques are ongoing in collaboration with the vascular surgery department.

CLINICAL TRIALS

• Cervical Nodal Mets in Squamous Cell Carcinoma of H&N - MRI, FDG-PET, & Histopathologic Correlation, Not Recruiting

Publications

PUBLICATIONS

• Structural brain anomalies in healthy adolescents in the NCANDA cohort: relation to neuropsychological test performance, sex, and ethnicity. Brain imaging and behavior


  2016; -?

• Adolescent Development of Cortical and White Matter Structure in the NCANDA Sample: Role of Sex, Ethnicity, Puberty, and Alcohol Drinking. Cerebral cortex


  2016; 26 (10): 4101–4121

• Intravascular ultrasound as a clinical adjunct for carotid plaque characterization. Journal of vascular surgery

2014; 59 (3): 774-780

- Contralateral microemboli following carotid artery stenting in patients with a contralateral internal carotid artery occlusion 40th Annual Meeting of the Society-for-Clinical-Vascular-Surgery (SCVS)
  Casey, K., Hitchner, E., Lane, B., Zhou, W.
  MOSBY-ELSEVIER.2013: 794–97

- Prospective neurocognitive evaluation of patients undergoing carotid interventions 40th Annual Meeting of the Society-of-Clinical-Vascular-Surgery (SCVS)
  Zhou, W., Hitchner, E., Gillis, K., Sun, L., Floyd, R., Lane, B., Rosen, A.
  MOSBY-ELSEVIER.2012: 1571–78

- Safety and feasibility of a novel transcervical access neuroprotection system for carotid artery stenting in the PROOF Study JOURNAL OF VASCULAR SURGERY
  Pinter, L., Ribó, M., Loh, C., Lane, B., Roberts, T., Chou, T. M., Kolvenbach, R. R.
  2011; 54 (5): 1317-1323

- Risk factors predictive of carotid artery stenting-associated subclinical microemboli. The International journal of angiology : official publication of the International College of Angiology, Inc
  Zhou, W., Zareie, R., Tedesco, M., Gholibeikian, S., Lane, B., Hernandez-Boussard, T., Rosen, A.
  2011; 20 (1): 25-32

- A Prospective Evaluation of Cerebral Infarction following Transcervical Carotid Stenting with Carotid Flow Reversal EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY
  Leal, J. I., Orgaz, A., Fontcuberta, J., Flores, A., Doblas, M., Garcia-Benassi, J. M., Lane, B., Loh, C., Criado, E.
  2010; 39 (6): 661-666

- Episodic encephalopathy due to an occult spinal vascular malformation complicated by superficial siderosis CLINICAL NEUROLOGY AND NEUROSURGERY
  Gonella, M. C., Fischbein, N. J., Lane, B., Shuer, L. M., Greicius, M. D.
  2010; 112 (1): 82-84

- Long-term radiographic outcomes of microemboli following carotid interventions 63rd Vascular Annual Meeting of the Society-for-Vascular-Surgery (SVS)
  Zhou, W., Dinishak, D., Lane, B., Hernandez-Boussard, T., Bech, F., Rosen, A.
  MOSBY-ELSEVIER.2009: 1314–19

- Reduction of postprocedure microemboli following retrospective quality assessment and practice improvement measures for carotid angioplasty and stenting JOURNAL OF VASCULAR SURGERY
  2009; 49 (3): 607-612

- Postprocedural microembolic events following carotid surgery and carotid angioplasty and stenting 21st Annual Meeting of the Western-Vascular-Society
  MOSBY-ELSEVIER.2007: 244–50

- Risk factors for developing postprocedural microemboli following carotid interventions JOURNAL OF ENDOVASCULAR THERAPY
  2007; 14 (4): 561-567

- Hippocampal volume, PTSD, and alcoholism in combat veterans AMERICAN JOURNAL OF PSYCHIATRY
  2006; 163 (4): 674-681

- reversible posterior leukoencephalopathy syndrome and bevacizumab NEJM
  glusker p, recht l
  2006; 354 (9): 980-981

- Neuroimaging and clinical manifestations of bilateral temporal encephalopathy secondary to murine typhus infection AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION
  Lew, H. L., Lane, B., Zeiner, H.
  2005; 84 (4): 310-311
• Practical imaging of the spine and spinal cord. *Topics in magnetic resonance imaging*
  Lane, B.
  2003; 14 (6): 438-443

• Intracranial dural arteriovenous fistula causing a myelopathy *SPINAL CORD*
  Perkash, I., Punj, V., Ota, D. T., Lane, B., Skirboll, S.
  2002; 40 (9): 438-442

• Imaging of cerebral and brain stem amyloidomas *AMERICAN JOURNAL OF NEURORADIOLOGY*
  Symko, S. C., Hattab, E. M., Steinberg, G. K., Lane, B.
  2001; 22 (7): 1353-1356

• Single- versus multi-detector row CT of the brain: Quality assessment *RADIOLOGY*
  JONES, T. R., Kaplan, R. T., Lane, B., Atlas, S. W., Rubin, G. D.
  2001; 219 (3): 750-755

• Infratentorial traumatic brain hemorrhage: May outcome be predicted by initial GCS? *49th Annual Meeting of the Congress-of-Neurosurgeons*
  Harris, O. A., Lane, B., Lewen, A., Matz, P. G.
  LIPPINCOTT WILLIAMS & WILKINS. 2000: 1076–82

• Updates and controversies in spinal imaging. *Topics in magnetic resonance imaging*
  Lane, B.
  2000; 11 (4): 213-217

• Sonography, CT, and MR imaging: A prospective comparison of neonates with suspected intracranial ischemia and hemorrhage *AMERICAN JOURNAL OF NEURORADIOLOGY*
  2000; 21 (1): 213-218

• In vivo mammillary body volume deficits in amnesic and nonamnesic alcoholics *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*
  SULLIVAN, E. V., Lane, B., Deshmukh, A., Rosenbloom, M. J., Desmond, J. E., Lim, K. O., Pfefferbaum, A.
  1999; 23 (10): 1629-1636

• Multidetector helical CT angiography: Poor cousin or contender? *AMERICAN JOURNAL OF NEURORADIOLOGY*
  Lane, B.
  1999; 20 (5): 731-731

• Neuropsychological and motor functioning after unilateral anatomically guided posterior ventral pallidotomy - Preoperative performance and three-month follow-up *NEUROPSYCHIATRY NEUROPSYCHOLOGY AND BEHAVIORAL NEUROLOGY*
  1998; 11 (3): 136-145

• Familial arteriopathic leukencephalopathy: Imaging and neuropathologic findings *AMERICAN JOURNAL OF NEURORADIOLOGY*
  Glusker, P., Horoupian, D. S., Lane, B.
  1998; 19 (3): 469-475

• Quantification of cerebellar structures with MRI *PSYCHIATRY RESEARCH-NEUROIMAGING*
  Deshmukh, A. R., Desmond, J. E., SULLIVAN, E. V., Lane, B. F., Lane, B., Matsumoto, B., Marsh, L., Lim, K. O., Pfefferbaum, A.
  1997; 75 (3): 159-171

• Proton magnetic resonance spectroscopy of a gray matter heterotopia *NEUROLOGY*
  Marsh, L., Lim, K. O., SULLIVAN, E. V., Lane, B., Spielman, D.
  1996; 47 (6): 1571-1574

• Mammary body and cerebellar shrinkage in chronic alcoholics with and without amnesia *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*
  Shear, P. K., SULLIVAN, E. V., Lane, B., Pfefferbaum, A.
  1996; 20 (8): 1489-1495

• Computed tomography slice-by-slice target-volume delineation for stereotactic proton irradiation of large intracranial arteriovenous malformations: An iterative approach using angiography, computed tomography, and magnetic resonance imaging *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
1996; 35 (3): 555-564

- Neonatal intracranial ischemia and hemorrhage: Diagnosis with US, CT, and MR imaging **RADIOLOGY**
  Blankenberg, F. G., Norbash, A. M., Lane, B., Stevenson, D. K., Bracci, P. M., Enzmann, D. R.
  1996; 199 (1): 253-259

- Cost-effectiveness of endovascular therapy in the surgical management of cerebral arteriovenous malformations **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Jordan, J. E., Marks, M. P., Lane, B., Steinberg, G. K.
  1996; 17 (2): 247-254

- White matter MR hyperintensities in adult patients with congenital rubella **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Lane, B., SULLIVAN, E. V., Lim, K. O., Beal, D. M., Harvey, R. L., Myers, T., Faustman, W. O., Pfefferbaum, A.
  1996; 17 (1): 99-103

- SYNCHRONOUS PRIMARY BRAIN-TUMORS **ACADEMIC RADIOLOGY**
  GINIER, B. L., Kim, R., Lane, B.
  1995; 2 (10): 926-929

- BRAIN DYSMORPHOLOGY IN ADULTS WITH CONGENITAL-RUBElla PLUS SCHIZOPHRENIALIKE SYMPTOMS **BIOLOGICAL PSYCHIATRY**
  Lim, K. O., Beal, D. M., Harvey, R. L., Myers, T., Lane, B., SULLIVAN, E. V., Faustman, W. O., Pfefferbaum, A.
  1995; 37 (11): 764-776

- NEURORADIOLOGY **RADIOLOGY**
  1995; 194 (3): 954-963

- COMBINED USE OF ENDOVASCULAR COILS AND SURGICAL CLIPPING FOR INTRACRANIAL ANEURYSMS **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Marks, M. P., Steinberg, G. K., Lane, B.
  1995; 16 (1): 15-18

- STENT PLACEMENT FOR ARTERIAL AND VENOUS CEREBROVASCULAR-DISEASE - PRELIMINARY EXPERIENCE **RADIOLOGY**
  Marks, M. P., Dake, M. D., Steinberg, G. K., Norbash, A. M., Lane, B.
  1994; 191 (2): 441-446

- A MECHANICALLY DETACHABLE COIL FOR THE TREATMENT OF ANEURYSMS AND OCCLUSION OF BLOOD-VESSELS **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Marks, M. P., CHEE, H., Liddell, R. P., Steinberg, G. K., Panahian, N., Lane, B.

- CORRELATION OF PRESSURE MEASUREMENTS WITH ANGIOGRAPHIC CHARACTERISTICS PREDISPOSING TO HEMORRHAGE AND STEAL IN CEREBRAL ARTERIOVENOUS-MALFORMATIONS **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Norbash, A. M., Marks, M. P., Lane, B.
  1994; 15 (5): 809-813

- INTRAARTERIAL PAPAVERINE FOR THE TREATMENT OF VASOSPASM **AMERICAN JOURNAL OF NEURORADIOLOGY**
  Marks, M. P., Steinberg, G. K., Lane, B.
  1993; 14 (4): 822-826

- ENDOVASCULAR TREATMENT OF CEREBRAL ARTERIOVENOUS-MALFORMATIONS FOLLOWING RADIOSURGERY **AMERICAN JOURNAL OF NEURORADIOLOGY**
  1993; 14 (2): 297-303

- INTERVENTIONAL NEURORADIOLOGY - A NEW APPROACH TO DIFFICULT VASCULAR-LESIONS OF THE BRAIN **WESTERN JOURNAL OF MEDICINE**
  Lane, B., Marks, M. P., Steinberg, G. K.
BRAIN GRAY AND WHITE MATTER VOLUME LOSS ACCELERATES WITH AGING IN CHRONIC-ALCOHOLICS - A QUANTITATIVE MRI STUDY
ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH
1992; 16 (6): 1078-1089

CRANIAL HYPERTROPHIC INTERSTITIAL NEUROPATHY
AMERICAN JOURNAL OF NEURORADIOLOGY
Jordan, J. E., Lane, B., Marks, M., Chang, Y., Weinberger, M.
1992; 13 (6): 1552-1554

INTRANIDAL ANEURYSMS IN CEREBRAL ARTERIOVENOUS-MALFORMATIONS - EVALUATION AND ENDOVASCULAR TREATMENT
RADIOLOGY
Marks, M. P., Lane, B., Steinberg, G. K., Snipes, G. J.
1992; 183 (2): 355-360

CORRELATION OF XENON-ENHANCED COMPUTED-TOMOGRAPHY AND ANGIOGRAPHY IN PATIENTS WITH INTRACEREBRAL ARTERIOVENOUS-MALFORMATIONS AND CLINICAL SYMPTOMS OF STEAL
1ST INTERNATIONAL CONF ON XENON-ENHANCED / COMPUTED TOMOGRAPHY : CEREBRAL BLOOD FLOW MEASUREMENT
Marks, M. P., Lane, B., Steinberg, G. K., Enzmann, D. R.
RAVEN PRESS.1992: 175–182

COIL EMBOLIZATION OF AN ACUTELY RUPTURED SACCULAR ANEURYSM
AMERICAN JOURNAL OF NEURORADIOLOGY
Lane, B., Marks, M. P.

GLIOFIBROMA - CASE-REPORT
JOURNAL OF NEUROSURGERY
Snipes, G. J., Steinberg, G. K., Lane, B., Horoupian, D. S.
1991; 75 (4): 642-646

INFLAMMATORY PSEUDOTUMOR OF THE CHOROID-PLEXUS IN SJOGRENS DISEASE
NEUROSURGERY
Chang, Y., Horoupian, D. S., Lane, B., Fross, R. D., SMYTH, L. T., SEILING, R. J.
1991; 29 (2): 287-290

COMBINED (TEAM) APPROACH TO HEMANGIOMA MANAGEMENT - ARTERIOGRAPHY WITH SUPERSELECTIVE EMBOLIZATION PLUS YAG LASER SAPPHIRE-TIP RESECTION
PLASTIC AND RECONSTRUCTIVE SURGERY
Apfelberg, D. B., Lane, B., Marx, M. P.
1991; 88 (1): 71-82

VASCULAR CHARACTERISTICS OF INTRACEREBRAL ARTERIOVENOUS-MALFORMATIONS IN PATIENTS WITH CLINICAL STEAL
AMERICAN JOURNAL OF NEURORADIOLOGY
Marks, M. P., Lane, B., Steinberg, G., Chang, P.
1991; 12 (3): 489-496

Endovascular therapy for intracranial vascular lesions. Western journal of medicine
Steinberg, G. K., Lane, B., Marks, M. P.
1990; 153 (5): 542-543

HEMORRHAGE IN INTRACEREBRAL ARTERIOVENOUS-MALFORMATIONS - ANGIOGRAPHIC DETERMINANTS
RADIOLOGY
Marks, M. P., Lane, B., Steinberg, G. K., Chang, P. J.
1990; 176 (3): 807-813

BENEFITS OF CONTACT AND NONCONTACT YAG LASER FOR PERIORBITAL HEMANGIOMAS
ANNALS OF PLASTIC SURGERY
Apfelberg, D. B., MASER, M. R., WHITE, D. N., Lash, H., Lane, B., Marks, M. P.
1990; 24 (5): 397-408

BENIGN VERSUS PATHOLOGICAL COMPRESSION FRACTURES OF VERTEBRAL BODIES - ASSESSMENT WITH CONVENTIONAL SPIN-ECHO, CHEMICAL-SHIFT, AND STIR MR IMAGING
RADIOLOGY
Baker, L. L., Goodman, S. B., Perkash, I., Lane, B., Enzmann, D. R.
1990; 174 (2): 495-502
• COMBINATION TREATMENT FOR MASSIVE Cavernous HEMANGIOMA OF THE FACE - YAG LASER PHOTOCOAGULATION PLUS DIRECT STEROID INJECTION FOLLOWED BY YAG LASER RESECTION WITH SAPPHIRE SCALPEL TIPS, AIDED BY SUPERSELECTIVE EMBOLIZATION LASERS IN SURGERY AND MEDICINE
Apfelberg, D. B., MASER, M. R., WHITE, D. N., Lash, H., Lane, B., Marks, M. P.

• DIGITAL SUBTRACTION CEREBRAL-ANGIOGRAPHY BY INTRAARTERIAL INJECTION - COMPARISON WITH CONVENTIONAL ANGIOGRAPHY AMERICAN JOURNAL OF ROENTGENOLOGY
BRANTZAWADZKI, M., Gould, R., Norman, D., Newton, T. H., Lane, B.
1983; 140 (2): 347-353

• ENLARGEMENT OF SUBARACHNOID SPACES AND LATERAL VENTRICLES IN PEDIATRIC-PATIENTS UNDERGOING CHEMOTHERAPY JOURNAL OF PEDIATRICS
Enzmann, D. R., Lane, B.
1978; 92 (4): 535-539

• CT SCANNING AND DIAGNOSIS OF ADRENOLEUKODYSTROPHY NEUROLOGY
Greenberg, H. S., Halverson, D., Lane, B.
1977; 27 (9): 884-886

• ORBITAL INVOLVEMENT BY PLASMACYTOMA - REPORT OF 2 CASES ACTA OPHTHALMOLOGICA
Nikoskelainen, E., DELLAPORTA, A., Rice, T., Egbert, B., Lane, B.
1976; 54 (6): 755-762