

Stanford



Michael P. Marks, MD

Professor of Radiology (General Radiology), Emeritus

CLINICAL OFFICES

- **Lab and Radiology Clinic**

730 Welch Rd 1st Fl
Palo Alto, CA 94304

Tel (650) 497-8376 **Fax** (650) 498-5374

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Susan Mir - Administrative Assistant

Email susanmir@stanford.edu

Tel 650-736-6172

Bio

CLINICAL FOCUS

- Interventional Neuroradiology
- Cerebrovascular Disorders
- Stroke Treatment and Imaging
- Brain Aneurysms
- Arteriovenous Malformations
- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Emeritus (Active) Professor, Radiology

ADMINISTRATIVE APPOINTMENTS

- Chief, Interventional Neuroradiology, Stanford University Medical Center, (1992- present)
- Director of Neuroradiology, Stanford Stroke Center, (1991- present)

PROFESSIONAL EDUCATION

- Fellowship: Stanford University School of Medicine Registrar (1988) CA
- Residency: LAC and USC Medical Center (1986) CA
- Board Certification: Neuroradiology, American Board of Radiology (1996)
- Board Certification: Diagnostic Radiology, American Board of Radiology (1986)
- Certificate Added Qualification, Neuroradiology , American Board of Radiology (1996)
- Maintenance Certification, Neuroradiology , American Board of Radiology (2009)
- Internship: Boston City Hospital (1981) MA
- Medical Education: Boston Univ Medical Center (1980) MA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Interventional neuroradiology; cerebral arteriovenous malformations; stroke treatment and imaging; cerebral aneurysms

CLINICAL TRIALS

- Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3, Not Recruiting

Publications

PUBLICATIONS

- **Rapid Neurologic Improvement Predicts Favorable Outcome 90 Days After Thrombectomy in the DEFUSE 3 Study.** *Stroke*
Heit, J. J., Mlynash, M., Kemp, S. M., Lansberg, M. G., Christensen, S., Marks, M. P., Ortega-Gutierrez, S., Albers, G. W.
2019: STROKEAHA119024928
- **Hypoperfusion Intensity Ratio Is Correlated With Patient Eligibility for Thrombectomy.** *Stroke*
Guenego, A., Marcellus, D. G., Martin, B. W., Christensen, S., Albers, G. W., Lansberg, M. G., Marks, M. P., Wintermark, M., Heit, J. J.
2019: STROKEAHA118024134
- **Persistent Target Mismatch Profile >24 Hours After Stroke Onset in DEFUSE 3.** *Stroke*
Christensen, S., Mlynash, M., Kemp, S., Yennu, A., Heit, J. J., Marks, M. P., Lansberg, M. G., Albers, G. W.
2019: STROKEAHA118023392
- **Outcomes of Thrombectomy in Transferred Patients With Ischemic Stroke in the Late Window: A Subanalysis From the DEFUSE 3 Trial.** *JAMA neurology*
Sarraj, A., Mlynash, M., Savitz, S. I., Heit, J. J., Lansberg, M. G., Marks, M. P., Albers, G. W.
2019
- **Ischemic Core and Hypoperfusion Volumes Correlate With Infarct Size 24 Hours After Randomization in DEFUSE 3.** *Stroke*
Rao, V., Christensen, S., Yennu, A., Mlynash, M., Zaharchuk, G., Heit, J., Marks, M. P., Lansberg, M. G., Albers, G. W.
2019: STROKEAHA118023177
- **DEFUSE 3 Non-DAWN Patients.** *Stroke*
Leslie-Mazwi, T. M., Hamilton, S., Mlynash, M., Patel, A. B., Schwamm, L. H., Lansberg, M. G., Marks, M., Hirsch, J. A., Albers, G. W.
2019: STROKEAHA118023310
- **Results From DEFUSE 3.** *Stroke*
de Havenon, A., Mlynash, M., Kim-Tenser, M. A., Lansberg, M. G., Leslie-Mazwi, T., Christensen, S., McTaggart, R. A., Alexander, M., Albers, G., Broderick, J., Marks, M. P., Heit, J. J., DEFUSE 3 Investigators
2019: STROKEAHA118023407
- **Association of Thrombectomy With Stroke Outcomes Among Patient Subgroups: Secondary Analyses of the DEFUSE 3 Randomized Clinical Trial.** *JAMA neurology*
Lansberg, M. G., Mlynash, M., Hamilton, S., Yeatts, S. D., Christensen, S., Kemp, S., Lavori, P. W., Gutierrez, S. O., Broderick, J., Heit, J., Marks, M. P., Albers, G. W., DEFUSE 3 Investigators
2019
- **Surgical Treatment of Recurrent Previously Coiled and/or Stent-Coiled Intracerebral Aneurysms: A Single-Center Experience in a Series of 75 Patients.** *World neurosurgery*
Liu, J. J., Nielsen, T. H., Abhinav, K., Lee, J., Han, S. S., Marks, M. P., Do, H. M., Dodd, R. L., Steinberg, G. K.
2019
- **Multimodal management of arteriovenous malformations of the basal ganglia and thalamus: factors affecting obliteration and outcome.** *Journal of neurosurgery*
Madhugiri, V. S., Teo, M. K., Westbroek, E. M., Chang, S. D., Marks, M. P., Do, H. M., Levy, R. P., Steinberg, G. K.
2018: 1–10

- **Endovascular Treatment in the DEFUSE 3 Study.** *Stroke*
Marks, M. P., Heit, J. J., Lansberg, M. G., Kemp, S., Christensen, S., Derdeyn, C. P., Rasmussen, P. A., Zaidat, O. O., Broderick, J. P., Yeatts, S. D., Hamilton, S., Mlynash, M., Albers, et al
2018
- **Thrombectomy for Stroke with Selection by Perfusion Imaging REPLY** *NEW ENGLAND JOURNAL OF MEDICINE*
Albers, G. W., Marks, M. P., Lansberg, M. G.
2018; 378 (19): 1849–50
- **Thrombectomy for Stroke with Selection by Perfusion Imaging** *NEW ENGLAND JOURNAL OF MEDICINE*
Vinnu, P., Vishnu, V. Y., Srivastava, M.
2018; 378 (19): 1849
- **Time From Imaging to Endovascular Reperfusion Predicts Outcome in Acute Stroke** *STROKE*
Tsai, J. P., Mlynash, M., Christensen, S., Kemp, S., Kim, S., Mishra, N. K., Federau, C., Nogueira, R. G., Jovin, T. G., Devlin, T. G., Akhtar, N., Yavagal, D. R., Bammer, et al
2018; 49 (4): 952–+
- **Early Cerebral Vein After Endovascular Ischemic Stroke Treatment Predicts Symptomatic Reperfusion Hemorrhage.** *Stroke*
Cartmell, S. C., Ball, R. L., Kaimal, R., Telischak, N. A., Marks, M. P., Do, H. M., Dodd, R. L., Albers, G. W., Lansberg, M. G., Heit, J. J.
2018
- **Sofia intermediate catheter and the SNAKE technique: safety and efficacy of the Sofia catheter without guidewire or microcatheter construct.** *Journal of neurointerventional surgery*
Heit, J. J., Wong, J. H., Mofaff, A. M., Telischak, N. A., Dodd, R. L., Marks, M. P., Do, H. M.
2018; 10 (4): 401–6
- **Can diffusion- and perfusion-weighted imaging alone accurately triage anterior circulation acute ischemic stroke patients to endovascular therapy?** *Journal of neurointerventional surgery*
Wolman, D. N., Iv, M., Wintermark, M., Zaharchuk, G., Marks, M. P., Do, H. M., Dodd, R. L., Albers, G. W., Lansberg, M. G., Heit, J. J.
2018
- **Reduced Intravoxel Incoherent Motion Microvascular Perfusion Predicts Delayed Cerebral Ischemia and Vasospasm After Aneurysm Rupture.** *Stroke*
Heit, J. J., Wintermark, M., Martin, B. W., Zhu, G., Marks, M. P., Zaharchuk, G., Dodd, R. L., Do, H. M., Steinberg, G. K., Lansberg, M. G., Albers, G. W., Federau, C.
2018
- **Thrombectomy for Stroke at 6 to 16 Hours with Selection by Perfusion Imaging.** *The New England journal of medicine*
Albers, G. W., Marks, M. P., Kemp, S., Christensen, S., Tsai, J. P., Ortega-Gutierrez, S., McTaggart, R. A., Torbey, M. T., Kim-Tenser, M., Leslie-Mazwi, T., Sarraj, A., Kasner, S. E., Ansari, et al
2018; 378 (8): 708–18
- **Intraoperative neurophysiologic monitoring (IONM) changes associated with a case of delayed thalamic infarct: Implications for postoperative management.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Ghavami, F., Choudhri, O., Marks, M., Lopez, J. R.
2017
- **Management of Arteriovenous Malformations Associated with Developmental Venous Anomalies: A Literature Review and Report of 2 Cases** *WORLD NEUROSURGERY*
Zhang, M., Connolly, I. D., Teo, M. K., Yang, G., Dodd, R., Marks, M., Zuccarello, M., Steinberg, G. K.
2017; 106: 563–69
- **A multicenter randomized controlled trial of endovascular therapy following imaging evaluation for ischemic stroke (DEFUSE 3)** *INTERNATIONAL JOURNAL OF STROKE*
Albers, G. W., Lansberg, M. G., Kemp, S., Tsai, J. P., Lavori, P., Christensen, S., Mlynash, M., Kim, S., Hamilton, S., Yeatts, S. D., Palesch, Y., Bammer, R., Broderick, et al
2017; 12 (8): 896–905
- **Clot Imaging in Large Vessel Occlusion Strokes.** *Topics in magnetic resonance imaging*
Wong, J. H., Marks, M. P.
2017; 26 (3): 121-125

- **CT Perfusion to Predict Response to Recanalization in Ischemic Stroke.** *Annals of neurology*
Lansberg, M. G., Christensen, S., Kemp, S., Mlynash, M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Nogueira, R. G., Jovin, T., Devlin, T. G., Akhtar, N., Yavagal, et al
2017
- **Embolization Followed by Radiosurgery for the Treatment of Brain Arteriovenous Malformations (AVMs)** *WORLD NEUROSURGERY*
Marks, M. P., Marcellus, M. L., Santarelli, J., Dodd, R. L., Do, H. M., Chang, S. D., Adler, J. R., Mlynash, M., Steinberg, G. K.
2017; 99: 471-476
- **Clinical and Arterial Spin Labeling Brain MRI Features of Transitional Venous Anomalies.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
Zhang, M., Telischak, N. A., Fischbein, N. J., Steinberg, G. K., Marks, M., Zaharchuk, G., Heit, J. J., Iv, M.
2017
- **Pipeline embolization device retraction and foreshortening after internal carotid artery blister aneurysm treatment.** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
Heit, J. J., Telischak, N. A., Do, H. M., Dodd, R. L., Steinberg, G. K., Marks, M. P.
2017; 23 (6): 614-19
- **Surgical outcomes of Majewski osteodysplastic primordial dwarfism Type II with intracranial vascular anomalies** *JOURNAL OF NEUROSURGERY-PEDIATRICS*
Teo, M., Johnson, J. N., Bell-Stephens, T. E., Marks, M. P., Do, H. M., Dodd, R. L., Bober, M. B., Steinberg, G. K.
2016; 18 (6): 717-723
- **Initial experience with SOFIA as an intermediate catheter in mechanical thrombectomy for acute ischemic stroke.** *Journal of neurointerventional surgery*
Wong, J. H., Do, H. M., Telischak, N. A., Moraff, A. M., Dodd, R. L., Marks, M. P., Ingle, S. M., Heit, J. J.
2016
- **Pretreatment blood-brain barrier disruption and post-endovascular intracranial hemorrhage.** *Neurology*
Leigh, R., Christensen, S., Campbell, B. C., Marks, M. P., Albers, G. W., Lansberg, M. G.
2016; 87 (3): 263-269
- **Detection of Cortical Venous Drainage and Determination of the Borden Type of Dural Arteriovenous Fistula by Means of 3D Pseudocontinuous Arterial Spin-Labeling MRI** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Amukotuwa, S. A., Heit, J. J., Marks, M. P., Fischbein, N., Bammer, R.
2016; 207 (1): 163-169
- **Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials Consensus Recommendations and Further Research Priorities** *STROKE*
Warach, S. J., Luby, M., Albers, G. W., Bammer, R., Bivard, A., Campbell, B. C., Derdeyn, C., Heit, J. J., Khatri, P., Lansberg, M. G., Liebeskind, D. S., Majoie, C. B., Marks, et al
2016; 47 (5): 1389-1398
- **Effect of endovascular reperfusion in relation to site of arterial occlusion.** *Neurology*
Lemmens, R., Hamilton, S. A., Liebeskind, D. S., Tomsick, T. A., Demchuk, A. M., Nogueira, R. G., Marks, M. P., Jahan, R., Gralla, J., Yoo, A. J., Yeatts, S. D., Palesch, Y. Y., Saver, et al
2016; 86 (8): 762-770
- **Acute Preoperative Infarcts and Poor Cerebrovascular Reserve Are Independent Risk Factors for Severe Ischemic Complications following Direct Extracranial-Intracranial Bypass for Moyamoya Disease** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Antonucci, M. U., Burns, T. C., Pulling, T. M., Rosenberg, J., Marks, M. P., Steinberg, G. K., Zaharchuk, G.
2016; 37 (2): 228-235
- **Patient Selection is a Better Predictor of Good Outcome Than Time to Reperfusion in Acute Ischemic Stroke.**
Tsai, J. P., Mlynash, M., Christensen, S., Kemp, S., Mishra, N., Federau, C., Kim, S., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Jovin, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Main Results of the CTP to Predict Response to Recanalization in Ischemic Stroke Project (CRISP)**
Lansberg, M. G., Christensen, S., Kemp, S., Mlynash, M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Haussen, D. C., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, et al

LIPPINCOTT WILLIAMS & WILKINS.2016

● **The Malignant CTP Imaging Profile Predicts Worse Functional Outcomes**

Mlynash, M., Christensen, S., Kemp, S. M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Jovin, et al

LIPPINCOTT WILLIAMS & WILKINS.2016

● **Arterial Occlusive Lesion Location Does Not Impact Functional Outcome in Patients with Endovascular Reperfusion**

Kim, S., Christensen, S., Mlynash, M., Tsai, J. P., Federau, C., Kemp, S. M., Mishra, N., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Tudor, et al

LIPPINCOTT WILLIAMS & WILKINS.2016

● **Severe CT Perfusion Bolus Delays Predict Infarct Growth Despite Reperfusion**

Christensen, S., Tsai, J., Kemp, S., Mishra, N., Kim, S., Mlynash, M., Federau, C., Bammer, R., Frankel, M., Dehkharghani, S., Devlin, T., Yavagal, D., Straka, et al

LIPPINCOTT WILLIAMS & WILKINS.2016

● **Which is a Better Predictor of Functional Outcome, TICI Score or Perfusion Imaging?**

Spokoyny, I., Mlynash, M., Federau, C. E., Kemp, S. M., Lansberg, M. G., Marks, M. P., Albers, G. W.

LIPPINCOTT WILLIAMS & WILKINS.2016

● **Associations Between CTP Ischemic Core Volume, ASPECTS Scores and Clinical Outcomes After Endovascular Reperfusion**

Marks, M. P., Christensen, S., Tsai, J. P., Mlynash, M., Kemp, S., Mishra, N., Federau, C., Kim, S., Haussen, D. C., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, et al

LIPPINCOTT WILLIAMS & WILKINS.2016

● **The association between lesion location and functional outcome after ischemic stroke** *INTERNATIONAL JOURNAL OF STROKE*

Yassi, N., Churilov, L., Campbell, B. C., Sharma, G., Bammer, R., Desmond, P. M., Parsons, M. W., Albers, G. W., Donnan, G. A., Davis, S. M., Investigators, E. P.

2015; 10 (8): 1270-1276

● **Response to endovascular reperfusion is not time-dependent in patients with salvageable tissue.** *Neurology*

Lansberg, M. G., Cereda, C. W., Mlynash, M., Mishra, N. K., Inoue, M., Kemp, S., Christensen, S., Straka, M., Zaharchuk, G., Marks, M. P., Bammer, R., Albers, G. W.

2015; 85 (8): 708-714

● **Use of thromboelastography to tailor dual-antiplatelet therapy in patients undergoing treatment of intracranial aneurysms with the Pipeline embolization device.** *Journal of neurointerventional surgery*

McTaggart, R. A., Choudhri, O. A., Marcellus, M. L., Brennan, T., Steinberg, G. K., Dodd, R. L., Do, H. M., Marks, M. P.

2015; 7 (6): 425-430

● **Reperfusion of Very Low Cerebral Blood Volume Lesion Predicts Parenchymal Hematoma After Endovascular Therapy** *STROKE*

Mishra, N. K., Christensen, S., Wouters, A., Campbell, B. C., Straka, M., Mlynash, M., Kemp, S., Cereda, C. W., Bammer, R., Marks, M. P., Albers, G. W., Lansberg, M. G.

2015; 46 (5): 1245-1249

● **Interhospital variation in reperfusion rates following endovascular treatment for acute ischemic stroke.** *Journal of neurointerventional surgery*

Liggins, J. T., Mlynash, M., Jovin, T. G., Straka, M., Kemp, S., Bammer, R., Marks, M. P., Albers, G. W., Lansberg, M. G.

2015; 7 (4): 231-233

● **Alberta Stroke Program Early Computed Tomographic Scoring Performance in a Series of Patients Undergoing Computed Tomography and MRI: Reader Agreement, Modality Agreement, and Outcome Prediction.** *Stroke; a journal of cerebral circulation*

McTaggart, R. A., Jovin, T. G., Lansberg, M. G., Mlynash, M., Jayaraman, M. V., Choudhri, O. A., Inoue, M., Marks, M. P., Albers, G. W.

2015; 46 (2): 407-412

● **Cerebral angioplasty using the Scepter XC dual lumen balloon for the treatment of vasospasm following intracranial aneurysm rupture** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*

Heit, J. J., Choudhri, O., Marks, M. P., Dodd, R. L., Do, H. M.

2015; 7 (1): 56-61

● **Correlation of AOL recanalization, TIMI reperfusion and TICI reperfusion with infarct growth and clinical outcome** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*

- Marks, M. P., Lansberg, M. G., Mlynash, M., Kemp, S., McTaggart, R., Zaharchuk, G., Bammer, R., Albers, G. W.
2014; 6 (10): 724-728
- **Angiographic outcome of endovascular stroke therapy correlated with MR findings, infarct growth, and clinical outcome in the DEFUSE 2 trial** *INTERNATIONAL JOURNAL OF STROKE*
Marks, M. P., Lansberg, M. G., Mlynash, M., Kemp, S., McTaggart, R. A., Zaharchuk, G., Bammer, R., Albers, G. W.
2014; 9 (7): 860-865
 - **Multimodality Evaluation of Dural Arteriovenous Fistula with CT Angiography, MR with Arterial Spin Labeling, and Digital Subtraction Angiography: Case Report** *JOURNAL OF NEUROIMAGING*
Alexander, M., McTaggart, R., Santarelli, J., Fischbein, N., Marks, M., Zaharchuk, G., Do, H.
2014; 24 (5): 520-523
 - **Multimodality evaluation of dural arteriovenous fistula with CT angiography, MR with arterial spin labeling, and digital subtraction angiography: case report.** *Journal of neuroimaging*
Alexander, M., McTaggart, R., Santarelli, J., Fischbein, N., Marks, M., Zaharchuk, G., Do, H.
2014; 24 (5): 520-523
 - **O-034 Carotid Artery Angioplasty versus Stenting in Acute Ischemic Stroke.** *Journal of neurointerventional surgery*
Choudhri, O., Gupta, M., Feroze, A., Albers, G., Lansberg, M., Do, H., Dodd, R., Marcellus, M., Marks, M.
2014; 6: A18-9
 - **Endovascular treatment of a tentorial dural arteriovenous fistula.** *Neurosurgical focus*
Choudhri, O., Marks, M. P.
2014; 37 (1): 1-?
 - **Endovascular management of cerebral venous sinus thrombosis.** *Neurosurgical focus*
Choudhri, O., Feroze, A., Marks, M. P., Do, H. M.
2014; 37 (1): 1-?
 - **Comparison of magnetic resonance imaging mismatch criteria to select patients for endovascular stroke therapy.** *Stroke; a journal of cerebral circulation*
Mishra, N. K., Albers, G. W., Christensen, S., Marks, M., Hamilton, S., Straka, M., Liggins, J. T., Kemp, S., Mlynash, M., Bammer, R., Lansberg, M. G.
2014; 45 (5): 1369-1374
 - **Effect of collateral blood flow on patients undergoing endovascular therapy for acute ischemic stroke.** *Stroke; a journal of cerebral circulation*
Marks, M. P., Lansberg, M. G., Mlynash, M., Olivot, J., Straka, M., Kemp, S., McTaggart, R., Inoue, M., Zaharchuk, G., Bammer, R., Albers, G. W.
2014; 45 (4): 1035-1039
 - **Hypoperfusion Intensity Ratio Predicts Infarct Progression and Functional Outcome in the DEFUSE 2 Cohort.** *Stroke; a journal of cerebral circulation*
Olivot, J. M., Mlynash, M., Inoue, M., Marks, M. P., Wheeler, H. M., Kemp, S., Straka, M., Zaharchuk, G., Bammer, R., Lansberg, M. G., Albers, G. W.
2014; 45 (4): 1018-1023
 - **Patients with single distal MCA perfusion lesions have a high rate of good outcome with or without reperfusion** *INTERNATIONAL JOURNAL OF STROKE*
Lemmens, R., Christensen, S., Straka, M., De Silva, D. A., Mlynash, M., Campbell, B. C., Bammer, R., Olivot, J., Desmond, P., Marks, M. P., Davis, S. M., Donnan, G. A., Albers, et al
2014; 9 (2): 156-159
 - **The case for angioplasty in patients with symptomatic intracranial atherosclerosis.** *Frontiers in neurology*
McTaggart, R. A., Marks, M. P.
2014; 5: 36-?
 - **The case for angioplasty in patients with symptomatic intracranial atherosclerosis** *FRONTIERS IN NEUROLOGY*
McTaggart, R. A., Marks, M. P.
2014; 5
 - **Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke A Consensus Statement** *STROKE*
Zaidat, O. O., Yoo, A. J., Khatri, P., Tomsick, T. A., von Kummer, R., Saver, J. L., Marks, M. P., Prabhakaran, S., Kallmes, D. F., Fitzsimmons, B. M., Mocco, J., Wardlaw, J. M., Barnwell, et al
2013; 44 (9): 2650-2663
 - **Comparison of the response to endovascular reperfusion in relation to site of arterial occlusion.** *Neurology*

- Lemmens, R., Mlynash, M., Straka, M., Kemp, S., Bammer, R., Marks, M. P., Albers, G. W., Lansberg, M. G.
2013; 81 (7): 614-618
- **Clinical outcomes strongly associated with the degree of reperfusion achieved in target mismatch patients: pooled data from the diffusion and perfusion imaging evaluation for understanding stroke evolution studies.** *Stroke: a journal of cerebral circulation*
Inoue, M., Mlynash, M., Straka, M., Kemp, S., Jovin, T. G., Tipirneni, A., Hamilton, S. A., Marks, M. P., Bammer, R., Lansberg, M. G., Albers, G. W.
2013; 44 (7): 1885-1890
 - **Delayed retraction of the pipeline embolization device and corking failure: pitfalls of pipeline embolization device placement in the setting of a ruptured aneurysm.** *Neurosurgery*
McTaggart, R. A., Santarelli, J. G., Marcellus, M. L., Steinberg, G. K., Dodd, R. L., Do, H. M., Marks, M. P.
2013; 72 (2): onsE245-51
 - **Delayed Retraction of the Pipeline Embolization Device and Corking Failure: Pitfalls of Pipeline Embolization Device Placement in the Setting of a Ruptured Aneurysm** *NEUROSURGERY*
McTaggart, R. A., Santarelli, J. G., Marcellus, M. L., Steinberg, G. K., Dodd, R. L., Do, H. M., Marks, M. P.
2013; 72 (6): 237-237
 - **Impact of Collateral Blood Flow on Clinical Presentation, Diffusion and Perfusion Imaging, Infarct Growth and Clinical Outcome in the DEFUSE 2 Trial**
Marks, M. P., Lansberg, M. G., Mlynash, M., Olivot, J., Straka, M., Kemp, S., McTaggart, R., Inoue, M., Tipirneni, A., Zaharchuk, G., Bammer, R., Albers, G. W., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **Predicting Hemorrhagic Transformation in Ischemic Stroke - Very Low Cerebral Blood Volume versus Permeability Analysis**
Campbell, B. C., Christensen, S., Straka, M., Mlynash, M., Sharma, G., Parsons, M. W., Donnan, G. A., Davis, S. M., Bammer, R., Marks, M. P., Lansberg, M. G., Albers, G. W., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **Correlation of AOL Recanalization, TIMI Reperfusion and TICI Reperfusion with Infarct Growth and Clinical Outcome in the DEFUSE 2 Trial**
Marks, M. P., Lansberg, M. G., Mlynash, M., Straka, M., Kemp, S., Inoue, M., Tipirneni, A., McTaggart, R., Zaharchuk, G., Bammer, R., Albers, G. W., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **Clinical Outcome Strongly Associated with the Degree of Endovascular Reperfusion Achieved in Target Mismatch**
Inoue, M., Lansberg, M. G., Mlynash, M., Straka, M., Kemp, S. M., Tipirneni, A., Bammer, R., Marks, M. P., Albers, G. W., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **Patient Selection for Endovascular Stroke Therapy: Can MRA substitute for PWI?**
Mishra, N. K., Albers, G. W., Marks, M., Liggins, J., Hamilton, S., Straka, M., Kemp, S., Mlynash, M., Bammer, R., Lansberg, M., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **Hypoperfusion Severity Is Associated With Poor Collaterals And Progresses Over Time**
Olivot, J., Marks, M. P., Mlynash, M., Wheeler, H. M., Inoue, M., Kemp, S., Straka, M., Zaharchuk, G., Bammer, R., Lansberg, M. G., Albers, G. W., DEFUSE 2 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **ASPECTS Performance in a Series of Patients Undergoing CT and MRI: Reader Agreement, Modality Agreement, and Outcome Prediction**
McTaggart, R. A., Jovin, T. G., Lansberg, M. G., Mlynash, M., Inoue, M., Marks, M. P., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2013
 - **MRI profile and response to endovascular reperfusion after stroke (DEFUSE 2): a prospective cohort study** *LANCET NEUROLOGY*
Lansberg, M. G., Straka, M., Kemp, S., Mlynash, M., Wechsler, L. R., Jovin, T. G., Wilder, M. J., Lutsep, H. L., Czartoski, T. J., Bernstein, R. A., Chang, C. W., Warach, S., Fazekas, et al
2012; 11 (10): 860-867
 - **Cerebral proliferative angiopathy** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*
Marks, M. P., Steinberg, G. K.
2012; 4 (5)
 - **A Simplified Method for Administration of Intra-Arterial Nicardipine for Vasospasm With Cervical Catheter Infusion** *NEUROSURGERY*
Pandey, P., Steinberg, G. K., Dodd, R., Do, H. M., Marks, M. P.

2012; 71: 77-85

- **Multimodality management of Spetzler-Martin Grade III arteriovenous malformations** *JOURNAL OF NEUROSURGERY*
Pandey, P., Marks, M. P., Harraher, C. D., Westbroek, E. M., Chang, S. D., Do, H. M., Levy, R. P., Dodd, R. L., Steinberg, G. K.
2012; 116 (6): 1279-1288
- **Neuroradiologic Correlates of Cognitive Impairment in Adult Moyamoya Disease** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Mogensen, M. A., Karzmark, P., Zeifert, P. D., Rosenberg, J., Marks, M., Steinberg, G. K., Dorfman, L. J.
2012; 33 (4): 721-725
- **Clinical Implications of Internal Carotid Artery Flow Impairment Caused by Filter Occlusion during Carotid Artery Stenting** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Kwon, O., Kim, S. H., Jacobsen, E. A., Marks, M. P.
2012; 33 (3): 494-499
- **Is There a Future for Endovascular Treatment of Intracranial Atherosclerotic Disease After Stenting and Aggressive Medical Management for Preventing Recurrent Stroke and Intracranial Stenosis (SAMMPRIS)?** *STROKE*
Marks, M. P.
2012; 43 (2): 580-584
- **Greater Effect of Stroke Thrombolysis in the Presence of Arterial Obstruction** *ANNALS OF NEUROLOGY*
De Silva, D. A., Churilov, L., Olivot, J., Christensen, S., Lansberg, M. G., Mlynash, M., Campbell, B. C., Desmond, P., Straka, M., Bammer, R., Albers, G. W., Davis, S. M., Donnan, et al
2011; 70 (4): 601-605
- **Cerebral CT Perfusion Using an Interventional C-Arm Imaging System: Cerebral Blood Flow Measurements** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Ganguly, A., Fieselmann, A., Marks, M., Rosenberg, J., Boese, J., Deuerling-Zheng, Y., Straka, M., Zaharchuk, G., Bammer, R., Fahrig, R.
2011; 32 (8): 1525-1531
- **Arterial Spin-Labeling MRI Can Identify the Presence and Intensity of Collateral Perfusion in Patients With Moyamoya Disease** *STROKE*
Zaharchuk, G., Do, H. M., Marks, M. P., Rosenberg, J., Moseley, M. E., Steinberg, G. K.
2011; 42 (9): 2485-U183
- **Management of Pediatric Intracranial Arteriovenous Malformations: Experience With Multimodality Therapy** *NEUROSURGERY*
Darsaut, T. E., Guzman, R., Marcellus, M. L., Edwards, M. S., Tian, L., Do, H. M., Chang, S. D., Levy, R. P., Adler, J. R., Marks, M. P., Steinberg, G. K.
2011; 69 (3): 540-556
- **Xenon-Enhanced Cerebral Blood Flow at 28% Xenon Provides Uniquely Safe Access to Quantitative, Clinically Useful Cerebral Blood Flow Information: A Multicenter Study** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Carlson, A. P., Brown, A. M., Zager, E., Uchino, K., Marks, M. P., Robertson, C., Sinson, G. P., Marmarou, A., Yonas, H.
2011; 32 (7): 1315-1320
- **Intraoperative Angiography for Cranial Dural Arteriovenous Fistula** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Pandey, P., Steinberg, G. K., Westbroek, E. M., Dodd, R., Do, H. M., Marks, M. P.
2011; 32 (6): 1091-1095
- **Predictors of Clinical and Angiographic Outcome After Surgical or Endovascular Therapy of Very Large and Giant Intracranial Aneurysms** *NEUROSURGERY*
Darsaut, T. E., Darsaut, N. M., Chang, S. D., Silverberg, G. D., Shuer, L. M., Tian, L., Dodd, R. L., Do, H. M., Marks, M. P., Steinberg, G. K.
2011; 68 (4): 903-915
- **TECHNIQUE FOR TARGETING ARTERIOVENOUS MALFORMATIONS USING FRAMELESS IMAGE-GUIDED ROBOTIC RADIOSURGERY** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Hristov, D., Liu, L., Adler, J. R., Gibbs, I. C., Moore, T., Sarmiento, M., Chang, S. D., Dodd, R., Marks, M., Do, H. M.
2011; 79 (4): 1232-1240
- **Angiographic Staging Of 215 Moyamoya Patients: Defining A New Modified Staging And Correlating Results To Patient Demographics And Clinical Findings** *International Stroke Conference*
Khan, N., Marks, M. P., Petralia, J., Tunovic, E., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2011: E201-E201

- **Failure of Primary Percutaneous Angioplasty and Stenting in the Prevention of Ischemia in Moyamoya Angiopathy** *CEREBROVASCULAR DISEASES*
Khan, N., Dodd, R., Marks, M. P., Bell-Stephens, T., Vavao, J., Steinberg, G. K.
2011; 31 (2): 147-153
- **MRI Profile of the Perihematomal Region in Acute Intracerebral Hemorrhage** *STROKE*
Olivot, J., Mlynash, M., Kleinman, J. T., Straka, M., Venkatasubramanian, C., Bammer, R., Moseley, M. E., Albers, G. W., Wijman, C. A.
2010; 41 (11): 2681-2683
- **Capsular warning syndrome caused by middle cerebral artery stenosis** *JOURNAL OF THE NEUROLOGICAL SCIENCES*
Lee, J., Albers, G. W., Marks, M. P., Lansberg, M. G.
2010; 296 (1-2): 115-120
- **Frameless image guided robotic radiosurgery of arteriovenous malformation localized on spatially correlated digital subtraction and C-arm CT angiography images** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*
Hristov, D., Adler, J. R., Gibbs, I. C., Dodd, R., Marks, M., Chang, S. D., Do, H. M.
2010; 2 (3): 252-254
- **Combined Arterial Spin Label and Dynamic Susceptibility Contrast Measurement of Cerebral Blood Flow** *MAGNETIC RESONANCE IN MEDICINE*
Zaharchuk, G., Straka, M., Marks, M. P., Albers, G. W., Moseley, M. E., Bammer, R.
2010; 63 (6): 1548-1556
- **Diagnostic Accuracy of MRI in Spontaneous Intra-cerebral Hemorrhage (DASH): Initial Results** *International Stroke Conference*
Wijman, C. A., Snider, R. W., Venkatasubramanian, C., Caulfield, A. F., Buckwalter, M., Eyingorn, I., Fischbein, N., Gean, A., Schwartz, N., Lansberg, M., Mlynash, M., Kemp, S., Thai, et al
LIPPINCOTT WILLIAMS & WILKINS.2010: E210–E211
- **Recanalization and Outcome After Endovascular Therapy in Acute Basilar Artery Occlusion: The Basilar Artery International Cooperation Study (BASICS)**
Grigoryan, M., Wijman, C. A., Vos, J., Mlynash, M., Marks, M. P., Schonewille, W. J., BASICS Investigators
LIPPINCOTT WILLIAMS & WILKINS.2010: E247
- **Management of Pediatric Intracranial Arteriovenous Malformations: Experience With Multimodality Therapy**
Darsaut, T. E., Guzman, R., Marcellus, M. L., Edwards, M. S., Tian, L., Do, H. M., Chang, S. D., Levy, R. P., Adler, J. R., Marks, M. P., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2010: E220
- **Predictors of Clinical and Angiographic Outcome Following Surgical or Endovascular Therapy of Very Large and Giant Intracranial Aneurysms**
Darsaut, T. E., Darsaut, N. M., Chang, S. D., Silverberg, G. D., Shuer, L. M., Tian, L., Dodd, R. L., Do, H. M., Marks, M. P., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2010: E266
- **Intraoperative Neurophysiologic Monitoring in the Endovascular and Surgical Treatment of Pediatric Arteriovenous Malformations**
Nguyen, V., Cho, S., Chang, S., Steinberg, G., Alto, P., Marks, M., Do, H., Lopez, J.
LIPPINCOTT WILLIAMS & WILKINS.2010: A501
- **Efficacy of endovascular stenting in dural venous sinus stenosis for the treatment of idiopathic intracranial hypertension** *NEUROSURGICAL FOCUS*
Arac, A., Lee, M., Steinberg, G. K., Marcellus, M., Marks, M. P.
2009; 27 (5)
- **Clinical outcome after 450 revascularization procedures for moyamoya disease** *JOURNAL OF NEUROSURGERY*
Guzman, R., Lee, M., Achrol, A., Bell-Stephens, T., Kelly, M., Do, H. M., Marks, M. P., Steinberg, G. K.
2009; 111 (5): 927-935
- **Geography, Structure, and Evolution of Diffusion and Perfusion Lesions in Diffusion and Perfusion Imaging Evaluation For Understanding Stroke Evolution (DEFUSE)** *STROKE*
Olivot, J., Mlynash, M., Thijs, V. N., Purushotham, A., Kemp, S., Lansberg, M. G., Wechsler, L., Gold, G. E., Bammer, R., Marks, M. P., Albers, G. W.
2009; 40 (10): 3245-3251
- **Improving Dynamic Susceptibility Contrast MRI Measurement of Quantitative Cerebral Blood Flow using Corrections for Partial Volume and Nonlinear Contrast Relaxivity: A Xenon Computed Tomographic Comparative Study** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Zaharchuk, G., Bammer, R., Straka, M., Newbould, R. D., Rosenberg, J., Olivot, J., Mlynash, M., Lansberg, M. G., Schwartz, N. E., Marks, M. M., Albers, G. W., Moseley, M. E.

2009; 30 (4): 743-752

- **Relationships Between Cerebral Perfusion and Reversibility of Acute Diffusion Lesions in DEFUSE Insights from RADAR** *STROKE*
Olivot, J., Mlynash, M., Thijs, V. N., Purushotham, A., Kemp, S., Lansberg, M. G., Wechsler, L., Bammer, R., Marks, M. P., Albers, G. W.
2009; 40 (5): 1692-1697
- **Optimal Tmax Threshold for Predicting Penumbra Tissue in Acute Stroke** *STROKE*
Olivot, J., Mlynash, M., Thijs, V. N., Kemp, S., Lansberg, M. G., Wechsler, L., Bammer, R., Marks, M. P., Albers, G. W.
2009; 40 (2): 469-475
- **Risk of Symptomatic Intracerebral Hemorrhage in Patients Treated with Intra-Arterial Thrombolysis** *CEREBROVASCULAR DISEASES*
Singer, O. C., Berkefeld, J., Lorenz, M. W., Fiehler, J., Albers, G. W., Lansberg, M. G., Kastrup, A., Rovira, A., Liebeskind, D. S., Gass, A., Rosso, C., Derex, L., Kim, et al
2009; 27 (4): 368-374
- **Patients with Acute Stroke Treated with Intravenous tPA 3-6 Hours after Stroke Onset: Correlations between MR Angiography Findings and Perfusion- and Diffusion-weighted Imaging in the DEFUSE Study** *RADIOLOGY*
Marks, M. P., Olivot, J., Kemp, S., Lansberg, M. G., Bammer, R., Wechsler, L. R., Albers, G. W., Thijs, V.
2008; 249 (2): 614-623
- **Magnetic resonance imaging in the evaluation of acute stroke.** *Topics in magnetic resonance imaging*
Olivot, J. M., Marks, M. P.
2008; 19 (5): 225-230
- **The MRA-DWI mismatch identifies patients with stroke who are likely to benefit from reperfusion** *STROKE*
Lansberg, M. G., Thijs, V. N., Bammer, R., Olivot, J., Marks, M. P., Wechsler, L. R., Kemp, S., Albers, G. W.
2008; 39 (9): 2491-2496
- **Relationships between infarct growth, clinical outcome, and early recanalization in Diffusion and perfusion imaging For Understanding Stroke Evolution (DEFUSE)** *STROKE*
Olivot, J., Mlynash, M., Thijs, V. N., Kemp, S., Lansberg, M. G., Wechsler, L., Schlaug, G., Bammer, R., Marks, M. P., Albers, G. W.
2008; 39 (8): 2257-2263
- **Multimodality treatment of posterior fossa arteriovenous malformations** *JOURNAL OF NEUROSURGERY*
Kelly, M. E., Guzman, R., Sinclair, J., Bell-Stephens, T. E., Bower, R., Hamilton, S., Marks, M. P., Do, H. M., Chang, S. D., Adler, J. R., Levy, R. P., Steinberg, G. K.
2008; 108 (6): 1152-1161
- **Multimodality treatment of posterior fossa arteriovenous malformations - Response** *JOURNAL OF NEUROSURGERY*
Kelly, M. E., Guzman, R., Marks, M. P., Do, H. M., Chang, S. D., Adler, J. R., Steinberg, G. K.
2008; 108 (6): 1150-1151
- **Optimal definition for PWI/DWI mismatch in acute ischemic stroke patients** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Kakuda, W., Lansberg, M. G., Thijs, V. N., Kemp, S. M., Bammer, R., Wechsler, L. R., Moseley, M. E., Parks, M. P., Albers, G. W.
2008; 28 (5): 887-891
- **Experimental study of intracranial hematoma detection with flat panel detector C-arm CT** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Arakawa, H., Marks, M. P., Do, H. M., Bouley, D. M., Strobel, N., Moore, T., Fahrig, R.
2008; 29 (4): 766-772
- **Neurologic complications of arteriovenous malformation embolization using liquid embolic agents** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Jayaraman, M. V., Marcellus, M. L., Hamilton, S., Do, H. M., Campbell, D., Chang, S. D., Steinberg, G. K., Marks, M. P.
2008; 29 (2): 242-246
- **Risk factors of symptomatic intracerebral hemorrhage after tPA therapy for acute stroke** *STROKE*
Lansberg, M. G., Thijs, V. N., Bammer, R., Kemp, S., Wijman, C. A., Marks, M. P., Albers, G. W.
2007; 38 (8): 2275-2278
- **Endovascular embolization of the swine rete mirabile with Eudragit-E 100 polymer** *73rd Annual Meeting of the American-Association-of-Neurological-Surgeons/Congress of Neurological Surgeons Cerebrovascular Section/American-Society-of-Interventional-and-Therapeutic-Neuroradiology*
Arakawa, H., Murayama, Y., DAVIS, C. R., Howard, D. L., Baumgardner, W. L., Marks, M. P., Do, H. M.

AMER SOC NEURORADIOLOGY.2007: 1191-96

- **Surgical and endovascular management of symptomatic posterior circulation fusiform aneurysms** *JOURNAL OF NEUROSURGERY*
Coert, B. A., Chang, S. D., Do, H. M., Marks, M. P., Steinberg, G. K.
2007; 106 (5): 855-865
- **Dissection of the V4 segment of the vertebral artery: clinicoradiologic manifestations and endovascular treatment** *EUROPEAN RADIOLOGY*
Yoon, W., Seo, J. J., Kim, T. S., Do, H. M., Jayaraman, M. V., Marks, M. P.
2007; 17 (4): 983-993
- **Morphologic assessment of middle cerebral artery aneurysms for endovascular treatment.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Jayaraman, M. V., Do, H. M., Versnick, E. J., Steinberg, G. K., Marks, M. P.
2007; 16 (2): 52-56
- **Treatment of traumatic cervical arteriovenous fistulas with N-butyl-2-cyanoacrylate** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Jayaraman, M. V., Do, H. M., Marks, M. P.
2007; 28 (2): 352-354
- **Optimal definition for PWI/DWI mismatch in acute ischemic stroke**
Kakuda, W., Lansberg, M. G., Thijs, V. N., Kemp, S., Wechsler, L., Moseley, M. E., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2007: 454
- **Low ADC values predict symptomatic hemorrhagic transformation following IV-tPA at 3-6 hours**
Adami, A., Wijman, C. A., Kakuda, W., Thijs, V. N., Lansberg, M. G., Kemp, S., Moseley, M. E., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2007: 489-90
- **Can magnetic resonance angiography replace perfusion-weighted imaging in the magnetic resonance imaging mismatch model?**
Lansberg, M. G., Thijs, V. N., Bammer, R., Kakuda, W., Wechsler, L. R., Kemp, S., Schlaug, G., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2007: 494
- **Prediction of hemorrhagic transformation after ischemic stroke: Superiority of FLAIR-ADC**
Adami, A., Thijs, V. N., Tong, D. C., Beaulieu, C., Moseley, M. E., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2007: 496
- **Hemorrhage rate in patients with Spetzler-Martin grades IV and V arteriovenous malformations - Is treatment justified?** *STROKE*
Jayaraman, M. V., Marcellus, M. L., Do, H. M., Chang, S. D., Rosenberg, J. K., Steinberg, G. K., Marks, M. P.
2007; 38 (2): 325-329
- **Magnetic resonance imaging profiles predict clinical response to early reperfusion: The diffusion and perfusion imaging evaluation for understanding stroke evolution (DEFUSE) study** *ANNALS OF NEUROLOGY*
Albers, G. W., Thijs, V. N., Wechsle, L., Kemp, S., Schlaug, G., Skalabrin, E., Bammer, R., Kakuda, W., Lansberg, M. G., Shuaib, A., Coplin, W., Hamilton, S., Moseley, et al
2006; 60 (5): 508-517
- **Proof-of-principle phase II MRI studies in stroke - Sample size estimates from dichotomous and continuous data** *STROKE*
Donnan, G. A., Davis, S. M., Phan, T. G., Ludbrook, J., Byrnes, G., Parsons, M., Barber, A. P., Reutens, D. C., Rose, S. E., Chalk, J., Demchuk, A. M., Coutts, S. B., Simon, et al
2006; 37 (10): 2521-2525
- **Outcomes of surgery for resection of regions of symptomatic radiation injury after stereotactic radiosurgery for arteriovenous malformations** *NEUROSURGERY*
Massengale, J. L., Levy, R. P., Marcellus, M., Moes, G., Marks, M. P., Steinberg, G. K.
2006; 59 (3): 553-559
- **Rates of delayed rebleeding from intracranial aneurysms are low after surgical and endovascular treatment** *STROKE*
Johnston, S. C., Dowd, C. F., Lawton, M. T., Gress, D. R., Higashida, R. T., Halbach, V. V., Zhao, S., Katsura, K. H., Fong, K. J., Douglas, V. C., Ventura, R., Elkins, J. S., Nguyen-Huynh, et al
2006; 37 (6): 1437-1442
- **Angioplasty for symptomatic intracranial stenosis - Clinical outcome** *STROKE*

- Marks, M. P., Wojak, J. C., Al-Ali, F., Jayaraman, M., Marcellus, M. L., Connors, J. J., Do, H. M.
2006; 37 (4): 1016-1020
- **MRI characteristics of cerebral air embolism from a venous source** *NEUROLOGY*
Caulfield, A. F., Lansberg, M. G., Marks, M. P., Albers, G. W., Wijman, C. A.
2006; 66 (6): 945-946
 - **Progression of unilateral Moyamoya disease: A clinical series** *CEREBROVASCULAR DISEASES*
Kelly, M. E., Bell-Stephens, T. E., Marks, M. P., Do, H. M., Steinberg, G. K.
2006; 22 (2-3): 109-115
 - **Mechanical thrombectomy following intravenous thrombolysis in the treatment of acute stroke** *ARCHIVES OF NEUROLOGY*
Lansberg, M. G., Fields, J. D., Albers, G. W., Jayaraman, M. V., Do, H. M., Marks, M. P.
2005; 62 (11): 1763-1765
 - **Clinical importance of microbleeds in patients receiving IV thrombolysis** *NEUROLOGY*
Kakuda, W., Thijs, V. N., Lansberg, M. G., Bammer, R., Wechsler, L., Kemp, S., Moseley, M. E., Marks, M. P., Albers, G. W.
2005; 65 (8): 1175-1178
 - **Visual field preservation after curative multi-modality treatment of occipital lobe arteriovenous malformations** *NEUROSURGERY*
Sinclair, J., Marks, M. P., Levy, R. P., Adler, J. R., Chang, S. D., Lopez, J. R., Do, H. M., Bell-Stephens, T. E., Lim, M., Steinberg, G. K.
2005; 57 (4): 655-666
 - **Prospective analysis of clinical outcomes after percutaneous vertebroplasty for painful osteoporotic vertebral body fractures** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Do, H. M., Kim, B. S., Marcellus, M. L., CURTIS, L., Marks, M. P.
2005; 26 (7): 1623-1628
 - **Neurotransplantation for patients with subcortical motor stroke: a Phase 2 randomized trial** *JOURNAL OF NEUROSURGERY*
Kondziolka, D., Steinberg, G. K., Wechsler, L., Meltzer, C. C., Elder, E., Gebel, J., DeCesare, S., Jovin, T., Zafonte, R., Lebowitz, J., Flickinger, J. C., Tong, D., Marks, et al
2005; 103 (1): 38-45
 - **Safety and efficacy of mechanical embolectomy in acute ischemic stroke - Results of the MERCI trial** *STROKE*
Smith, W. S., Sung, G., Starkman, S., Saver, J. L., Kidwell, C. S., Gobin, Y. P., Lutsep, H. L., Nesbit, G. M., Grobelny, T., Rymer, M. M., Silverman, I. E., Higashida, R. T., Budzik, et al
2005; 36 (7): 1432-1438
 - **Mechanical thrombectomy for acute stroke** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Versnick, E. J., Do, H. M., Albers, G. W., Tong, D. C., Marks, M. P.
2005; 26 (4): 875-879
 - **Intracranial Angioplasty without stenting for symptomatic atherosclerotic stenosis: Long-term follow-up** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Marks, M. P., Marcellus, M. L., Do, H. M., Schraedley-Desmond, P. K., Steinberg, G. K., Tong, D. C., Albers, G. W.
2005; 26 (3): 525-530
 - **Revascularization of the posterior circulation** *SKULL BASE-AN INTERDISCIPLINARY APPROACH*
Coert, B. A., Chang, S. D., Marks, M. P., Steinberg, G. K.
2005; 15 (1): 43-62
 - **Diffusion-weighted MR imaging in acute ischemia: Value of apparent diffusion coefficient and signal intensity thresholds in predicting tissue at risk and final infarct size** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Na, D. G., Thijs, V. N., Albers, G. W., Moseley, M. E., Marks, M. P.
2004; 25 (8): 1331-1336
 - **Alteration in the venous drainage of a dural arteriovenous fistula following angioplasty** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Gutierrez, A., Do, H. M., Marks, M. P.
2004; 25 (6): 1086-1088
 - **Association of early CT abnormalities, infarct size, and apparent diffusion coefficient reduction in acute ischemic stroke** *27th International Stroke Conference*

- Somford, D. M., Marks, M. P., Thijs, V. N., Tong, D. C.
AMER SOC NEURORADIOLOGY.2004: 933-38
- **Neurophysiological monitoring in the endovascular therapy of aneurysms** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Liu, A. Y., Lopez, J. R., Do, H. M., Steinberg, G. K., Cockroft, K., Marks, M. P.
2003; 24 (8): 1520-1527
 - **Parent vessel occlusion for vertebrobasilar fusiform and dissecting aneurysms** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Leibowitz, R., Do, H. M., Marcellus, M. L., Chang, S. D., Steinberg, G. K., Marks, M. P.
2003; 24 (5): 902-907
 - **Deep arteriovenous malformations of the basal ganglia and thalamus: natural history** *JOURNAL OF NEUROSURGERY*
Fleetwood, I. G., Marcellus, M. L., Levy, R. P., Marks, M. P., Steinberg, G. K.
2003; 98 (4): 747-750
 - **Aneurysmal subarachnoid hemorrhage in patient's with Hunt and Hess grade 4 or 5: Treatment using the Guglielmi detachable coil system** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Weir, R. U., Marcellus, M. L., Do, H. M., Steinberg, G. K., Marks, M. P.
2003; 24 (4): 585-590
 - **N-butyl cyanoacrylate embolization of cerebral arteriovenous malformations: Results of a prospective, randomized, multi-center trial** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Purdy, P., Horowitz, M., Kopitnik, T., Samson, D., Dion, J., Joseph, G., Dawson, R., Owens, D., Barrow, D., Barr, J., Powers, S., Cockroft, K., Holmes, et al
2002; 23 (5): 748-755
 - **The role of radiosurgery in the treatment of giant arteriovenous malformations** *5th Meeting of the International-Stereotactic-Radiosurgery-Society*
Chang, S. D., Levy, R. P., Marks, M. P., Marcellus, M., Steinberg, G. K.
KARGER.2002: 42-53
 - **Relationship between severity of MR perfusion deficit and DWI lesion evolution** *NEUROLOGY*
Thijs, V. N., Adami, A., Neumann-Haefelin, T., Moseley, M. E., Marks, M. P., Albers, G. W.
2001; 57 (7): 1205-1211
 - **Hyperperfusion syndrome with hemorrhage after angioplasty for middle cerebral artery stenosis** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Liu, A. Y., Do, H. M., Albers, G. W., Lopez, J. R., Steinberg, G. K., Marks, M. P.
2001; 22 (8): 1597-1601
 - **Prediction of hemorrhagic transformation following acute stroke - Role of diffusion- and perfusion-weighted magnetic resonance imaging** *ARCHIVES OF NEUROLOGY*
Tong, D. C., Adami, A., Moseley, M. E., Marks, M. P.
2001; 58 (4): 587-593
 - **EPAR therapy system for treatment of acute stroke: Safety study results**
Lutsep, H. L., Campbell, M., Clark, W. M., Jansen, O., Lefkowitz, M. A., Marks, M. P., Norbash, A., Putman, C., Schumacher, M.
LIPPINCOTT WILLIAMS & WILKINS.2001: 319-19
 - **Comparison of diffusion-weighted MRI and CT in acute stroke - Reply** *NEUROLOGY*
Marks, M. P., Albers, G., Lansberg, M.
2000; 55 (11): 1760-1760
 - **Is early ischemic lesion volume on diffusion-weighted imaging an independent predictor of stroke outcome? A multivariable analysis** *STROKE*
Thijs, V. N., Lansberg, M. G., Beaulieu, C., Marks, M. P., Moseley, M. E., Albers, G. W.
2000; 31 (11): 2597-2602
 - **Relationship between apparent diffusion coefficient and subsequent hemorrhagic transformation following acute ischemic stroke** *STROKE*
Tong, D. C., Adami, A., Moseley, M. E., Marks, M. P.
2000; 31 (10): 2378-2384
 - **Advantages of adding diffusion-weighted magnetic resonance imaging to conventional magnetic resonance imaging for evaluating acute stroke** *ARCHIVES OF NEUROLOGY*
Lansberg, M. G., Norbash, A. M., Marks, M. P., Tong, D. C., Moseley, M. E., Albers, G. W.

2000; 57 (9): 1311-1316

- **Yield of diffusion-weighted MRI for detection of potentially relevant findings in stroke patients** *NEUROLOGY*
Albers, G. W., Lansberg, M. G., Norbash, A. M., Tong, D. C., O'Brien, M. W., Woolfenden, A. R., Marks, M. P., Moseley, M. E.
2000; 54 (8): 1562-1567
- **Comparison of diffusion-weighted MRI and CT in acute stroke** *NEUROLOGY*
Lansberg, M. G., Albers, G. W., Beaulieu, C., Marks, M. P.
2000; 54 (8): 1557-1561
- **Neurosurgical and neuroendovascular management of Takayasu's arteritis** *NEUROSURGERY*
Stoodley, M. A., Thompson, R. C., Mitchell, R. S., Marks, M. P., Steinberg, G. K.
2000; 46 (4): 841-851
- **Basilar artery stenosis: clinical and neuroradiographic features.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Woolfenden, A. R., Tong, D. C., Norbash, A. M., Ali, A. O., Marks, M. P., O'Brien, M. W., Albers, G. W.
2000; 9 (2): 57-63
- **Planned direct dual-modality treatment of complex broad-necked intracranial aneurysms: Four technical case reports** *NEUROSURGERY*
Cockroft, K. M., Marks, M. P., Steinberg, G. K.
2000; 46 (1): 226-230
- **Treatment of intracranial arteriovenous malformations in the elderly population**
Chang, S. D., Lopez, J. R., Marks, M. P., Levy, R. P., Adler, J. R., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2000: 325-25
- **The treatment of giant intracranial arteriovenous malformations using multimodality therapy**
Chang, S. D., Lopez, J. R., Levy, R. P., Marks, M. P., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.2000: 324-24
- **Long-term outcomes after carotid stent placement for treatment of carotid artery dissection** *NEUROSURGERY*
Liu, A. Y., Paulsen, R. D., Marcellus, M. L., Steinberg, G. K., Marks, M. P.
1999; 45 (6): 1368-1373
- **Longitudinal magnetic resonance imaging study of perfusion and diffusion in stroke: Evolution of lesion volume and correlation with clinical outcome** *ANNALS OF NEUROLOGY*
Beaulieu, C., de Crespigny, A., Tong, D. C., Moseley, M. E., Albers, G. W., Marks, M. P.
1999; 46 (4): 568-578
- **A standardized MRI stroke protocol: Comparison with CT in hyperacute intracerebral hemorrhage** *STROKE*
Tong, D. C., Albers, G. W., Yenari, M. A., Marks, M. P.
1999; 30 (9): 1974-1975
- **Direct and combined revascularization in pediatric moyamoya disease** *NEUROSURGERY*
Golby, A. J., Marks, M. P., Thompson, R. C., Steinberg, G. K.
1999; 45 (1): 50-58
- **Evaluation of early reperfusion and IV tPA therapy using diffusion- and perfusion-weighted MRI** *NEUROLOGY*
Marks, M. P., Tong, D. C., Beaulieu, C., Albers, G. W., de Crespigny, A., Moseley, M. E.
1999; 52 (9): 1792-1798
- **Correlation of magnetic resonance characteristics and histopathological type of angiographically occult vascular malformations** *NEUROSURGERY*
Vanefsky, M. A., Cheng, M. L., Chang, S. D., Norbash, A., Snipe, J., Marks, M. P., Steinberg, G. K.
1999; 44 (6): 1174-1180
- **Recanalization and rupture of a giant vertebral artery aneurysm after Hunterian ligation: Case report** *NEUROSURGERY*
Chang, S. D., Marks, M. P., Steinberg, G. K.
1999; 44 (5): 1117-1120
- **Outcome of angioplasty for atherosclerotic intracranial stenosis** *STROKE*

-
- Marks, M. P., Marcellus, M., Norbash, A. M., Steinberg, G. K., Tong, D., Albers, G. W.
1999; 30 (5): 1065-1069
- **Embolization of basal ganglia and thalamic arteriovenous malformations** *NEUROSURGERY*
Paulsen, R. D., Steinberg, G. K., Norbash, A. M., Marcellus, M. L., Marks, M. P.
1999; 44 (5): 991-996
 - **Comparison of a beta-lactam alone versus beta-lactam and an aminoglycoside for pulmonary exacerbation in cystic fibrosis** *JOURNAL OF PEDIATRICS*
Smith, A. L., Doershuk, C., Goldmann, D., Gore, E., Hilman, B., Marks, M., Moss, R., Ramsey, B., Redding, G., Rubio, T., Williams-Warren, J., Wilmott, R., Wilson, et al
1999; 134 (4): 413-421
 - **Comparison of CT and DWI for detection of early infarct signs**
Marks, M. P., Lansberg, M. G., Howard, A. L., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.1999: A453
 - **Embolization of rolandic cortex arteriovenous malformations** *NEUROSURGERY*
Paulsen, R. D., Steinberg, G. K., Norbash, A. M., Marcellus, M. L., Lopez, J. R., Marks, M. P.
1999; 44 (3): 479-484
 - **Evaluation of early computed tomographic findings in acute ischemic stroke** *STROKE*
Marks, M. P., Holmgren, E. B., Fox, A. J., Patel, S., von Kummer, R., Froehlich, J.
1999; 30 (2): 389-392
 - **Correlation of magnetic resonance characteristics and histopathological type of angiographically occult vascular malformations** *Neurosurgery*
Vanefsky, M. A., Cheng, M. L., Chang, S. D., Norbash, A., Snipe, J., Marks, M. P., Steinberg, G. K.
1999; 44 (6): 1174-80; discussion 1180-81
 - **Effective early reperfusion and intravenous tPA therapy on diffusion and perfusion weighted MRI**
Marks, M. P., Tong, D., Beaulieu, C., Albers, G., de Crespigny, A., Moseley, M. E.
LIPPINCOTT WILLIAMS & WILKINS.1999: 235
 - **Diagnosing cerebral vasospasm: The correlation rate between cerebral angiograms and transcranial Doppler**
Chang, S. D., Bell, T., Ceranski, J., Tong, D., Marks, M. P., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.1999: 259
 - **Accuracy of diffusion weighted MRI for identification of acute ischemic lesions**
Lansberg, M. G., Moseley, M. E., Norbash, A. M., O'Brien, M. W., Woolfenden, A. R., Tong, D. C., Marks, M. P., Kemp, S. M., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.1999: 263
 - **Yield of diffusion weighted MRI for detection of potentially clinically relevant findings in stroke patients**
Albers, G. W., Lansberg, M. G., Norbash, A. M., Woolfenden, A. R., O'Brien, M. W., Tong, D. C., Marks, M. P., Kemp, S. M., Moseley, M. E.
LIPPINCOTT WILLIAMS & WILKINS.1999: 235
 - **Unruptured intracranial aneurysms - Risk of rupture and risks of surgical intervention** *NEW ENGLAND JOURNAL OF MEDICINE*
Wiebers, D., Whisnant, J., Forbes, G., Meissner, I., Brown, R., Piegras, D., Huston, J., Nichols, D., O'Fallon, W., Peacock, J., Jaeger, L., Kassell, N., Kongable-Beckman, et al
1998; 339 (24): 1725-1733
 - **Microsurgical resection of incompletely obliterated intracranial arteriovenous malformations following stereotactic radiosurgery** *NEUROLOGIA MEDICO-CHIRURGICA*
Chang, S. D., Steinberg, G. K., Levy, R. P., Marks, M. P., Frankel, K. A., Shuster, D. L., Marcellus, M. L.
1998; 38: 200-207
 - **CT in ischemic stroke** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Marks, M. P.
1998; 8 (3): 515-?
 - **The management of patients with arteriovenous malformations and associated intracranial aneurysms** *NEUROSURGERY*
Thompson, R. C., Steinberg, G. K., Levy, R. P., Marks, M. P.
1998; 43 (2): 202-211
-

- **Angiographically defined primary angitis of the CNS - Is it really benign?** *NEUROLOGY*
Woolfenden, A. R., Tong, D. C., Marks, M. P., Ali, A. O., Albers, G. W.
1998; 51 (1): 183-188
- **Correlation of perfusion- and diffusion-weighted MRI with NIHSS score in acute (< 6.5 hour) ischemic stroke** *NEUROLOGY*
Tong, D. C., Yenari, M. A., Albers, G. W., O'Brien, M., Marks, M. P., Moseley, M. E.
1998; 50 (4): 864-870
- **Neuropsychological recovery from childhood moyamoya disease** *BRAIN & DEVELOPMENT*
Bowen, M., Marks, M. P., Steinberg, G. K.
1998; 20 (2): 119-123
- **Endovascular management of an aneurysm arising from posterior inferior cerebellar artery originated at the level of C2.** *Radiation medicine*
Abe, T., Kojima, K., Singer, R. J., Marks, M. P., Watanabe, M., OHTSURU, K., Nishimura, H., Hayabuchi, N.
1998; 16 (2): 141-143
- **Coexistence of occult vascular malformations and developmental venous anomalies in the central nervous system: MR evaluation** *Annual Meeting of the American-Society-of-Neuroradiology*
Abe, T., Singer, R. J., Marks, M. P., Norbash, A. M., Crowley, R. S., Steinberg, G. K.
AMER SOC NEURORADIOLOGY.1998: 51-57
- **Multi-modality management of high flow AVMs in pediatric patients**
Cockroft, K. M., Marcellus, M. L., Marks, M. P., Huhn, S. L., Steinberg, G. K.
LIPPINCOTT WILLIAMS & WILKINS.1998: 335
- **Evaluation of early CT signs of ischemic infarction**
Marks, M. P., Holmgren, E. B., Fox, A. J., Patel, S., von Kummer, R., Froelich, J.
LIPPINCOTT WILLIAMS & WILKINS.1998: 310-10
- **Clinical utility of diffusion-weighted magnetic resonance imaging in the assessment of ischemic stroke** *ANNALS OF NEUROLOGY*
Lutsep, H. L., Albers, G. W., deCrespigny, A., Kamat, G. N., Marks, M. P., Moseley, M. E.
1997; 41 (5): 574-580
- **Intracavernous anterior cerebral artery origin with associated arteriovenous malformations: A developmental analysis: Case report** *NEUROSURGERY*
Singer, R. J., Abe, T., Taylor, W. H., Marks, M. P., Norbash, A. M.
1997; 40 (4): 829-831
- **Covered stent placement for neurovascular disease** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Singer, R. J., Dake, M. D., Norbash, A., Abe, T., Marcellus, M. L., Marks, M. P.
1997; 18 (3): 507-509
- **Arterial vascular abnormality accompanying cerebral cortical dysplasia** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Abe, T., Singer, R. J., Marks, M. P., Kojima, K., Watanabe, M., Uchida, M., Hayabuchi, N.
1997; 18 (1): 144-146
- **Computed tomography angiography** *NEUROIMAGING CLINICS OF NORTH AMERICA*
Marks, M. P.
1996; 6 (4): 899-?
- **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*
Levy, R. P., Schulte, R. W., Frankel, K. A., Steinberg, G. K., Marks, M. P., Lane, B., Heilbronn, L. H., Meinass, H. J., Galindo, R. A., Slater, J. D., Slater, J. M.
1996; 35 (3): 555-564
- **Surgical resection of large incompletely treated intracranial arteriovenous malformations following stereotactic radiosurgery** *JOURNAL OF NEUROSURGERY*
Steinberg, G. K., Chang, S. D., Levy, R. P., Marks, M. P., Frankel, K., Marcellus, M.
1996; 84 (6): 920-928

- **Acute and chronic stroke: Navigated spin-echo diffusion-weighted MR imaging** *RADIOLOGY*
Marks, M. P., deCrespigny, A., Lentz, D., Enzmann, D. R., Albers, G. W., Moseley, M. E.
1996; 199 (2): 403-408
- **Vertebral artery stenting following percutaneous transluminal angioplasty - Technical note** *JOURNAL OF NEUROSURGERY*
Storey, G. S., Marks, M. P., Dake, M., Norbash, A. M., Steinberg, G. K.
1996; 84 (5): 883-887
- **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
- **MELAS: Clinical and pathologic correlations with MRI, xenon/CT, and MR spectroscopy** *NEUROLOGY*
Clark, J. M., Marks, M. P., Adalsteinsson, E., Spielman, D. M., Shuster, D., Horoupian, D., Albers, G. W.
1996; 46 (1): 223-227
- **Xe/CT evaluation of chronic ischemic states** *3rd International Conference on Xenon/CT CBF*
Marks, M. P.
WILEY-BLACKWELL PUBLISHING, INC.1996: 68-68
- **Techniques for reducing interventional neuroradiologic skin dose: Tube position rotation and supplemental beam filtration** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Norbash, A. M., BUSICK, D., Marks, M. P.
1996; 17 (1): 41-49
- **In vitro evaluation of coils for endovascular therapy** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Marks, M. P., Tsai, C., CHEE, H.
1996; 17 (1): 29-34
- **Clinical aspects of DWI** *NMR IN BIOMEDICINE*
Moseley, M. E., Butts, K., Yenari, M. A., Marks, M., deCrespigny, A.
1995; 8 (7-8): 387-396
- **Vascular malformations.** *Magnetic resonance imaging clinics of North America*
Marks, M. P.
1995; 3 (3): 485-491
- **CIRCLE OF WILLIS - EVALUATION WITH SPIRAL CT ANGIOGRAPHY, MR-ANGIOGRAPHY, AND CONVENTIONAL ANGIOGRAPHY** *RADIOLOGY*
Katz, D. A., Marks, M. P., NAPEL, S. A., Bracci, P. M., Roberts, S. L.
1995; 195 (2): 445-449
- **NAVIGATED DIFFUSION IMAGING OF NORMAL AND ISCHEMIC HUMAN BRAIN** *MAGNETIC RESONANCE IN MEDICINE*
DECRESPIGNY, A. J., Marks, M. P., Enzmann, D. R., Moseley, M. E.
1995; 33 (5): 720-728
- **MR EVALUATION OF VERTEBRAL METASTASES - T1-WEIGHTED, SHORT-INVERSION-TIME INVERSION-RECOVERY, FAST SPIN-ECHO, AND INVERSION-RECOVERY FAST SPIN-ECHO SEQUENCES** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Mehta, R. C., Marks, M. P., Hinks, R. S., Glover, G. H., Enzmann, D. R.
1995; 16 (2): 281-288
- **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
- **ANGIOPLASTY OF INTRACRANIAL CIRCULATION STENOSIS**
MARKS, M., NORBASH, A., CLARK, J., ALBERS, G., STEINBERG, G.
AMER HEART ASSOC.1995: 159

- **Assessment of patients with arteriovenous malformations** *2nd International Conference on Xenon/CT CBF*
Marks, M. P.
FUTURA PUBL CO INC.1995: 223-228
- **INTRACRANIAL ABNORMALITIES AND NEURODEVELOPMENTAL STATUS AFTER VENOVENOUS EXTRACORPOREAL MEMBRANE-OXYGENATION** *JOURNAL OF PEDIATRICS*
VanMeurs, K. P., Nguyen, H. T., Rhine, W. D., Marks, M. P., Fleisher, B. E., Benitz, W. E.
1994; 125 (2): 304-307
- **THE ANATOMY OF THE POSTERIOR COMMUNICATING ARTERY AS A RISK FACTOR FOR ISCHEMIC CEREBRAL INFARCTION** *NEW ENGLAND JOURNAL OF MEDICINE*
Schomer, D. F., Marks, M. P., Steinberg, G. K., Johnstone, I. M., Boothroyd, D. B., Ross, M. R., Pelc, N. J., Enzmann, D. R.
1994; 330 (22): 1565-1570
- **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.
1994; 15 (5): 821-827
- **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
- **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
- **FAILURE OF INTRACISTERNAL TISSUE-PLASMINOGEN ACTIVATOR TO PREVENT VASOSPASM IN CERTAIN PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE** *NEUROSURGERY*
Steinberg, G. K., Vanefsky, M. A., Marks, M. P., Adler, J. R., KOENIG, G. H.
1994; 34 (5): 809-813
- **BLOOD-FLOW IN MAJOR CEREBRAL-ARTERIES MEASURED BY PHASE-CONTRAST CINE MR** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Enzmann, D. R., Ross, M. R., Marks, M. P., Pelc, N. J.
1994; 15 (1): 123-129
- **A MULTIVARIATE-ANALYSIS OF MAGNETIC-RESONANCE CHARACTERISTICS AND HISTOPATHOLOGY OF ANGIOGRAPHICALLY OCCULT VASCULAR MALFORMATIONS**
VANEFSKY, M., NORBASH, A., SNIPES, J., MARKS, M., STEINBERG, G.
AMER HEART ASSOC.1994: 252
- **Neuropsychological improvements following endovascular embolization of arteriovenous malformation.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Bowen, M., Steinberg, G. K., Marks, M., ACOSTA, Y.
1994; 4 (3): 194-199
- **Migraine and vertebrobasilar dissection: Case reports.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Yenari, M. A., Steinberg, G. K., Marks, M. P.
1994; 4 (1): 36-41
- **THE NATURAL RESOLUTION OF A LUMBAR SPONTANEOUS EPIDURAL HEMATOMA AND ASSOCIATED RADICULOPATHY** *SPINE*
Kingery, W. S., Seibel, M., Date, E. S., Marks, M. P.
1994; 19 (1): 67-69
- **COMPARISON OF CEREBRAL-ARTERY BLOOD-FLOW MEASUREMENTS WITH GATED CINE AND UNGATED PHASE-CONTRAST TECHNIQUES** *JMRI-JOURNAL OF MAGNETIC RESONANCE IMAGING*
Enzmann, D. R., Marks, M. P., Pelc, N. J.
1993; 3 (5): 705-712
- **INTRAARTERIAL PAPAVERINE FOR THE TREATMENT OF VASOSPASM** *AMERICAN JOURNAL OF NEURORADIOLOGY*

- Marks, M. P., Steinberg, G. K., Lane, B.
1993; 14 (4): 822-826
- **DIAGNOSIS OF CAROTID-ARTERY DISEASE - PRELIMINARY EXPERIENCE WITH MAXIMUM-INTENSITY-PROJECTION SPIRAL CT ANGIOGRAPHY** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Marks, M. P., Napel, S., Jordan, J. E., Enzmann, D. R.
1993; 160 (6): 1267-1271
 - **AICARDIS SYNDROME - MR APPEARANCE OF UNUSUAL ORBITAL AND VENTRICULAR CYSTIC LESIONS** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Mehta, R. C., Marks, M. P., Levin, P. S.
1993; 160 (3): 601-603
 - **ENDOVASCULAR TREATMENT OF CEREBRAL ARTERIOVENOUS-MALFORMATIONS FOLLOWING RADIOSURGERY** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Marks, M. P., Lane, B., Steinberg, G. K., FABRIKANT, J. I., Levy, R. P., Frankel, K. A., Phillips, M. H.
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.
1993; 158 (1): 68-69
 - **CRANIAL HYPERTROPHIC INTERSTITIAL NEUROPATHY** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Jordan, J. E., Lane, B., Marks, M., Chang, Y., Weinberger, M.
1992; 13 (6): 1552-1554
 - **CT ANGIOGRAPHY WITH SPIRAL CT AND MAXIMUM INTENSITY PROJECTION** *RADIOLOGY*
Napel, S., Marks, M. P., Rubin, G. D., Dake, M. D., McDonnell, C. H., Song, S. M., Enzmann, D. R., Jeffrey, R. B.
1992; 185 (2): 607-610
 - **DETACHABLE LEAK BALLOON WITH IBCA NBCA FOR TREATMENT OF ANEURYSM - REPLY** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Lane, B., Marks, M. P.
1992; 13 (5): 1451-1451
 - **Spiral CT creates 3-D neuro, body angiograms.** *Diagnostic imaging*
Rubin, G. D., Napel, S., Dake, M. D., Walker, P. J., McDonnell, C. H., Marks, M. P., Jeffrey, R. B.
1992; 14 (8): 66-74
 - **CLINICALLY DOCUMENTED HEMORRHAGE IN CEREBRAL ARTERIOVENOUS-MALFORMATIONS - MR CHARACTERISTICS** *RADIOLOGY*
CHAPPELL, P. M., Steinberg, G. K., Marks, M. P.
1992; 183 (3): 719-724
 - **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
 - **DETERMINATION OF CEREBRAL BLOOD-FLOW WITH A PHASE-CONTRAST CINE MR IMAGING TECHNIQUE - EVALUATION OF NORMAL SUBJECTS AND PATIENTS WITH ARTERIOVENOUS-MALFORMATIONS** *RADIOLOGY*
Marks, M. P., Pelc, N. J., Ross, M. R., Enzmann, D. R.
1992; 182 (2): 467-476
 - **PHYSIOLOGICAL IMAGING OF THE BRAIN** *CURRENT OPINION IN RADIOLOGY*
Mehta, R. C., Marks, M. P.
1992; 4 (1): 95-100
 - **Charged-particle radiosurgery for intracranial vascular malformations.** *Neurosurgery clinics of North America*
FABRIKANT, J. I., Levy, R. P., Steinberg, G. K., Phillips, M. H., Frankel, K. A., Lyman, J. T., Marks, M. P., Silverberg, G. D.
1992; 3 (1): 99-139

- **CLINICAL RADIOLOGICAL EVALUATION OF SEQUELAE OF STEREOTAXIC RADIOSURGERY FOR INTRACRANIAL ARTERIOVENOUS-MALFORMATIONS** *1ST SYMP ON RADIOSURGERY*
Levy, R. P., FABRIKANT, J. I., Frankel, K. A., Phillips, M. H., Steinberg, G. K., Marks, M. P., DeLaPaz, R. L., Chuang, F. Y.
RAVEN PRESS.1992: 209-220
- **CLINICAL-RESULTS OF STEREOTAXIC HEAVY-CHARGED-PARTICLE RADIOSURGERY FOR INTRACRANIAL ANGIOGRAPHICALLY OCCULT VASCULAR MALFORMATIONS** *1ST SYMP ON RADIOSURGERY*
Levy, R. P., FABRIKANT, J. I., Phillips, M. H., Frankel, K. A., Steinberg, G. K., Marks, M. P., DeLaPaz, R. L., Chuang, F. Y., Lyman, J. T.
RAVEN PRESS.1992: 221-228
- **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.
1991; 12 (6): 1067-1069
- **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
- **STABLE XENON-CT CEREBRAL BLOOD-FLOW IMAGING - RATIONALE FOR AND ROLE IN CLINICAL DECISION-MAKING** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Johnson, D. W., Stringer, W. A., Marks, M. P., Yonas, H., Good, W. F., Gur, D.
1991; 12 (2): 201-213
- **STEREOTAXIC HELIUM ION BRAGG PEAK RADIOSURGERY FOR INTRACRANIAL ARTERIOVENOUS-MALFORMATIONS - DETAILED CLINICAL AND NEURORADIOLOGICAL OUTCOME** *HARVARD RADIOSURGERY UPDATE COURSE ON RADIOSURGERY : ENHANCEMENT OF CLINICAL EXCELLENCE*
Steinberg, G. K., FABRIKANT, J. I., Marks, M. P., Levy, R. P., Frankel, K. A., Phillips, M. H., Shuer, L. M., Silverberg, G. D.
KARGER.1991: 36-49
- **STEREOTAXIC HELIUM ION BRAGG PEAK RADIOSURGERY FOR ANGIOGRAPHICALLY OCCULT INTRACRANIAL VASCULAR MALFORMATIONS** *HARVARD RADIOSURGERY UPDATE COURSE ON RADIOSURGERY : ENHANCEMENT OF CLINICAL EXCELLENCE*
Steinberg, G. K., Levy, R. P., FABRIKANT, J. I., Frankel, K. A., Phillips, M. H., Marks, M. P.
KARGER.1991: 64-71
- **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
- **POLYNEUROPATHY, OPHTHALMOPLÉGIA, LEUKOENCEPHALOPATHY, AND INTESTINAL PSEUDO OBSTRUCTION - POLIP SYNDROME** *ANNALS OF NEUROLOGY*
SIMON, L. T., Horoupian, D. S., DORFMAN, L. J., Marks, M., Herrick, M. K., Wasserstein, P., Smith, M. E.
1990; 28 (3): 349-360
- **OCCULT VASCULAR MALFORMATIONS OF THE OPTIC CHIASM - MAGNETIC-RESONANCE-IMAGING DIAGNOSIS AND SURGICAL LASER RESECTION** *NEUROSURGERY*
Steinberg, G. K., Marks, M. P., Shuer, L. M., SOGG, R. L., Enzmann, D. R., Silverberg, G. D.
1990; 27 (3): 466-470
- **STEREOTAXIC HEAVY-CHARGED-PARTICLE BRAGG-PEAK RADIATION FOR INTRACRANIAL ARTERIOVENOUS-MALFORMATIONS** *NEW ENGLAND JOURNAL OF MEDICINE*

- Steinberg, G. K., FABRIKANT, J. I., Marks, M. P., Levy, R. P., Frankel, K. A., Phillips, M. H., Shuer, L. M., Silverberg, G. D.
1990; 323 (2): 96-101
- **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
 - **NEUROPATHOLOGY OF POLIP SYNDROME**
Horoupian, D. S., DORFMAN, L. J., SIMON, L. T., Marks, M., Herrick, M. K., Wasserstein, P., Smith, M. E.
LIPPINCOTT WILLIAMS & WILKINS.1990: 313-13
 - **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.
1990; 10 (3): 217-223
 - **HEAVY PARTICLE RADIOSURGERY OF INTRACRANIAL ARTERIOVENOUS-MALFORMATIONS** *17TH INTERNATIONAL CONGRESS OF RADIOLOGY*
FABRIKANT, J. I., Levy, R. P., Phillips, M. H., Frankel, K. A., Lyman, J. T., Chuang, F. Y., Steinberg, G. K., Marks, M. P.
ELSEVIER SCIENCE PUBL B V.1990: 529-533
 - **ANGIOGRAPHIC PREDICTORS FOR HEMORRHAGE AND STEAL SYMPTOMS IN INTRACEREBRAL ARTERIOVENOUS-MALFORMATIONS**
Steinberg, G. K., Marks, M. P., Lane, B., Chang, P.
AMER HEART ASSOC.1990: 171-71
 - **ANGIOGRAPHIC DETERMINANTS OF HEMORRHAGE IN INTRACEREBRAL ARTERIOVENOUS-MALFORMATIONS**
Marks, M. P., Lane, B., Steinberg, G., Chang, P.
AMER SOC NEURORADIOLOGY.1989: 875-75
 - **CEREBRAL BLOOD-FLOW EVALUATION OF ARTERIOVENOUS-MALFORMATIONS WITH STABLE XENON CT** *AMERICAN JOURNAL OF NEURORADIOLOGY*
Marks, M. P., ODONAHUE, J., FABRICANT, J. I., Frankel, K. A., Phillips, M. H., DeLaPaz, R. L., Enzmann, D. R.
1988; 9 (6): 1169-1175
 - **INTRACRANIAL VASCULAR MALFORMATIONS - IMAGING OF CHARGED-PARTICLE RADIOSURGERY .2. COMPLICATIONS** *RADIOLOGY*
Marks, M. P., DeLaPaz, R. L., FABRIKANT, J. I., Frankel, K. A., Phillips, M. H., Levy, R. P., Enzmann, D. R.
1988; 168 (2): 457-462
 - **INTRACRANIAL VASCULAR MALFORMATIONS - IMAGING OF CHARGED-PARTICLE RADIOSURGERY .1. RESULTS OF THERAPY** *RADIOLOGY*
Marks, M. P., DeLaPaz, R. L., FABRIKANT, J. I., Frankel, K. A., Phillips, M. H., Levy, R. P., Enzmann, D. R.
1988; 168 (2): 447-455
 - **CASE REPORT-420 - PAROSTEAL OSTEOSARCOMA** *SKELETAL RADIOLOGY*
Marks, M. P., MARKS, S. C., Segall, H. D., SCHWINN, C. P., Forrester, D. M.
1987; 16 (3): 246-251
 - **PEDIATRIC HYPERTROPHIC GASTROPATHY** *AMERICAN JOURNAL OF ROENTGENOLOGY*
Marks, M. P., LANZA, M. V., KAHLSTROM, E. J., MIKITY, V., MARKS, S. C., KVALSTAD, R. P.
1986; 147 (5): 1031-1034