

Stanford



Maarten Lansberg, MD, PhD

Professor of Neurology (Adult Neurology) and, by courtesy, of Neurosurgery
Neurology & Neurological Sciences

CLINICAL OFFICE (PRIMARY)

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ACADEMIC CONTACT INFORMATION

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Bio

BIO

As a Professor in the Department of Neurology and Neurological Sciences at Stanford University Medical Center, I split my time between clinical activities on the inpatient stroke service and in the ambulatory stroke clinic at Stanford Hospital, clinical stroke research, and education. I am board-certified in Neurology and Vascular Neurology and have additional advanced training in MR imaging and Epidemiology. I am the director of Stanford's Stroke Research Fellowship and co-director of Stanford's Stroke Recovery Program. I am the co-principal investigator of the Stanford Regional Coordinating Center (RCC) for StrokeNet, an NINDS-funded network of 25 RCCs that is responsible for conducting all major NINDS-funded stroke trials.

CLINICAL FOCUS

- Stroke
- Cerebrovascular Disease
- Vascular Neurology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Neurology & Neurological Sciences
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Bio-X
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Fellowship: Stanford University Vascular Neurology Fellowship (2004) CA
- Residency: UCSF Dept of Neurology (2003) CA
- Internship: Greater Baltimore Medical Center Internal Medicine Residency (2000) MD
- Medical Education: University Medical Center Utrecht (1997) Netherlands

- Board Certification: Vascular Neurology, American Board of Psychiatry and Neurology (2012)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2004)
- MS, Stanford University , Epidemiology (2008)
- Ph.D., Univ of Utrecht, The Netherlands , Diffusion-Weighted MRI in Stroke (2002)
- M.D., Univ of Utrecht, The Netherlands (1997)

LINKS

- Stanford Stroke Center: <http://strokecenter.stanford.edu>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research is focused on clinical trials for stroke, spanning the full breadth of stroke care, including acute intervention, prevention, and recovery trials. The majority of my NIH funded research has centered on the use of imaging biomarkers (specifically multimodal CT and MRI) to select patients for acute stroke interventions. I have served as the principal investigator of CRISP, a prospective cohort study to assess the utility of CT perfusion for patient selection and the Protocol Director of DEFUSE 3, a Phase 3 randomized controlled trial of endovascular therapy for acute stroke in the 6-16 hour time-window. DEFUSE 3 was conducted at 38 US sites and was the first trial to be funded and executed through StrokeNet, the NINDS clinical stroke trial network.

CLINICAL TRIALS

- Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage Phase III, Recruiting
- Computed Tomography Perfusion (CTP) to Predict Response to Recanalization in Ischemic Stroke Project (CRISP), Not Recruiting
- Effectiveness of BP Remote Monitoring With Virtual Physician Management in Hypertensive Patients., Not Recruiting
- Efficacy and Safety Study of Desmoteplase to Treat Acute Ischemic Stroke (DIAS-4), Not Recruiting
- Efficacy and Safety Trial of Transcranial Laser Therapy Within 24 Hours From Stroke Onset (NEST-3), Not Recruiting
- Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3, Not Recruiting
- Feasibility of Home-based Virtual Reality Rehabilitation for the Upper Extremity in Subacute and Chronic Stroke, Not Recruiting
- Imaging Collaterals in Acute Stroke (iCAS), Not Recruiting
- Insulin Resistance Intervention After Stroke Trial, Not Recruiting
- Transient Ischemic Attack (TIA) Triage and Evaluation of Stroke Risk, Not Recruiting
- Virtual Reality Glove for Hand and Arm Rehabilitation After Stroke, Not Recruiting

Teaching

COURSES

2022-23

- Stroke Seminar: NENS 204 (Win)

2021-22

- Stroke Seminar: NENS 204 (Win)

2020-21

- Stroke Seminar: NENS 204 (Win)

Publications

PUBLICATIONS

- **Varicella Zoster Vasculopathy Exacerbated by Tofacitinib in a Patient With Ulcerative Colitis.** *Stroke*
Lyman, K. A., Sreekrishnan, A., Thatikunta, P., McConnell, R., Lansberg, M. G., Mijalski Sells, C. M.
2023
- **Quantification of Penumbra Volume in Association With Time From Stroke Onset in Acute Ischemic Stroke With Large Vessel Occlusion.** *JAMA neurology*
Seners, P., Yuen, N., Mlynash, M., Snyder, S. J., Heit, J. J., Lansberg, M. G., Christensen, S., Albucher, J., Cognard, C., Sibon, I., Obadia, M., Savatovsky, J., Baron, et al
2023
- **Using Epidemiological Data to Inform Clinical Trial Feasibility Assessments: A Case Study.** *Stroke*
Stanton, R. J., Robinson, D. J., Aziz, Y. N., Sucharew, H., Khatri, P., Broderick, J. P., Janis, L. S., Kemp, S., Mlynash, M., Lansberg, M. G., Albers, G. W., Saver, J. L., Flaherty, et al
2023
- **Trial of Endovascular Thrombectomy for Large Ischemic Strokes.** *The New England journal of medicine*
Sarraj, A., Hassan, A. E., Abraham, M. G., Ortega-Gutierrez, S., Kasner, S. E., Hussain, M. S., Chen, M., Blackburn, S., Sitton, C. W., Churilov, L., Sundararajan, S., Hu, Y. C., Herial, et al
2023
- **Determinants of Infarct Core Growth During Inter-hospital Transfer for Thrombectomy.** *Annals of neurology*
Seners, P., Scheldeman, L., Christensen, S., Mlynash, M., Ter Schiphorst, A., Arquian, C., Costalat, V., Henon, H., Bretzner, M., Heit, J. J., Olivot, J., Lansberg, M. G., Albers, et al
2023
- **Predicting Hypoperfusion Lesion and Target Mismatch in Stroke from Diffusion-weighted MRI Using Deep Learning.** *Radiology*
Yu, Y., Christensen, S., Ouyang, J., Scalzo, F., Liebeskind, D. S., Lansberg, M. G., Albers, G. W., Zaharchuk, G.
2022; 220882
- **Predicting final ischemic stroke lesions from initial diffusion-weighted images using a deep neural network.** *NeuroImage. Clinical*
Nazari-Farsani, S., Yu, Y., Armindo, R. D., Lansberg, M., Liebeskind, D. S., Albers, G., Christensen, S., Levin, C. S., Zaharchuk, G.
2022; 37: 103278
- **Hypoperfusion Intensity Ratio Is Correlated With the Risk of Parenchymal Hematoma After Endovascular Stroke Treatment.** *Stroke*
Winkelmeier, L., Heit, J. J., Adusumilli, G., Geest, V., Christensen, S., Kniep, H., van Horn, N., Steffen, P., Bechstein, M., Sporns, P., Lansberg, M. G., Albers, G. W., Wintermark, et al
2022
- **Cerebral perfusion imaging predicts final infarct volume after basilar artery thrombectomy.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Yuen, N., Mlynash, M., O'Riordan, A., Lansberg, M., Christensen, S., Cereda, C. W., Bianco, G., Giurgiutiu, D. V., Alemseged, F., Pileggi, M., Campbell, B., Albers, G. W., Heit, et al
2022; 32 (1): 106866
- **Association Between Net Water Uptake and Functional Outcome in Patients With Low ASPECTS Brain Lesions: Results From the I-LAST Study.** *Neurology*
Broocks, G., Meyer, L., Elsayed, S., McDonough, R., Bechstein, M., Faizy, T. D., Sporns, P., Schon, G., Minnerup, J., Kniep, H. C., Hanning, U., Barow, E., Schramm, et al
2022
- **Thrombectomy Outcomes With General vs Non-general Anesthesia: A Pooled, Patient-Level Analysis From the EXTEND-IA Trials and SELECT Study.** *Neurology*
Sarraj, A., Albers, G. W., Mitchell, P. J., Hassan, A. E., Abraham, M. G., Blackburn, S., Sharma, G., Yassi, N., Kleinig, T. J., Shah, D. G., Wu, T. Y., Hussain, M. S., Tekle, et al
2022

- **Poor venous outflow profiles increase the risk of reperfusion hemorrhage after endovascular treatment.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*: Winkelmeier, L., Heit, J. J., Adusumilli, G., Geest, V., Guenego, A., Broocks, G., Pruter, J., Gloyer, N., Meyer, L., Kniep, H., Lansberg, M. G., Albers, G. W., Wintermark, et al 2022; 271678X221127089
- **Venous Outflow Profiles Are Linked to Clinical Outcomes in Ischemic Stroke Patients with Extensive Baseline Infarct.** *Journal of stroke*: Winkelmeier, L., Broocks, G., Kniep, H., Geest, V., Reinwald, J., Meyer, L., van Horn, N., Guenego, A., Zelenak, K., Albers, G. W., Lansberg, M., Sporns, P., Wintermark, et al 2022; 24 (3): 372-382
- **Benefit of Intravenous Alteplase Before Thrombectomy Depends on ASPECTS.** *Annals of neurology*: Broocks, G., Heit, J. J., Kuraitis, G. M., Meyer, L., van Horn, N., Bechstein, M., Thaler, C., Christensen, S., Mlynash, M., Lansberg, M. G., Kemmling, A., Schon, G., Albers, et al 2022
- **Intravenous tPA (Tissue-Type Plasminogen Activator) Correlates With Favorable Venous Outflow Profiles in Acute Ischemic Stroke.** *Stroke*: Faizy, T. D., Mlynash, M., Marks, M. P., Christensen, S., Kabiri, R., Kuraitis, G. M., Broocks, G., Winkelmeier, L., Geest, V., Nawabi, J., Lansberg, M. G., Albers, G. W., Fiehler, et al 2022; 101161STROKEAHA122038560
- **Cost-Effectiveness of Cilostazol Added to Aspirin or Clopidogrel for Secondary Prevention After Noncardioembolic Stroke.** *Journal of the American Heart Association*: Zhou, L. W., Kraler, L., de Havenon, A., Lansberg, M. G. 2022; e024992
- **Favourable arterial, tissue-level and venous collaterals correlate with early neurological improvement after successful thrombectomy treatment of acute ischaemic stroke.** *Journal of neurology, neurosurgery, and psychiatry*: Faizy, T. D., Mlynash, M., Kabiri, R., Christensen, S., Kuraitis, G., Meyer, L., Bechstein, M., Van Horn, N., Lansberg, M. G., Albers, G., Fiehler, J., Wintermark, M., Heit, et al 2022
- **Transient Complete Reversal of Large Area of Restricted Diffusion Seen Early Following Thrombectomy.** *Stroke*: Zhou, L. W., Lee, S., Schwartz, N. E., Albers, G. W., Lansberg, M. G. 2022; 101161STROKEAHA122038825
- **The Cerebral Collateral Cascade: Comprehensive Blood Flow in Ischemic Stroke.** *Neurology*: Faizy, T. D., Mlynash, M., Kabiri, R., Christensen, S., Kuraitis, G. M., Mader, M. M., Flottmann, F., Broocks, G., Lansberg, M. G., Albers, G. W., Marks, M. P., Fiehler, J., Wintermark, et al 2022
- **Cerebral Hypoperfusion Intensity Ratio Is Linked to Progressive Early Edema Formation.** *Journal of clinical medicine*: van Horn, N., Broocks, G., Kabiri, R., Kraemer, M. C., Christensen, S., Mlynash, M., Meyer, L., Lansberg, M. G., Albers, G. W., Sporns, P., Guenego, A., Fiehler, J., Wintermark, et al 2022; 11 (9)
- **Accuracy of CT Perfusion-Based Core Estimation of Follow-Up Infarction: Effects of Time-Since-Last-Known-Well.** *Neurology*: Sarraj, A., Campbell, B. C., Christensen, S., Sitton, C. W., Khanpara, S., Riascos, R. F., Pujara, D., Shaker, F., Sharma, G., Lansberg, M. G., Albers, G. W., SELECT Investigators 2022
- **Prognostication of ICU Patients by Providers with and without Neurocritical Care Training.** *Neurocritical care*: Finley Caulfield, A., Mlynash, M., Eyangorn, I., Lansberg, M. G., Afjei, A., Venkatasubramanian, C., Buckwalter, M. S., Hirsch, K. G. 2022
- **A Phase III, Prospective, Double-Blind, Randomized, Placebo-Controlled Trial of Thrombolysis in Imaging-Eligible, Late-Window Patients to Assess the Efficacy and Safety of Tenecteplase (TIMELESS): Rationale and Design.** *International journal of stroke : official journal of the International Stroke Society*: Albers, G. W., Campbell, B. C., Lansberg, M. G., Broderick, J., Butcher, K., Froehler, M. T., Schwamm, L. H., Nouh, A. M., Liebeskind, D. S., Toy, F., Yang, M., Massaro, L., Schoeffler, et al 2022; 17474930221088400

• **Self-report Does Not Align With Objective Assessments Of Memory And Fine Motor Functioning In Stroke Survivors**

Mendez, M. P., Drag, L. L., Mlynash, M., Musabbir, M., Kim, D. K., Lansberg, M. G., Buckwalter, M. S.
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Cost Effectiveness Of Cilostazol Added To Aspirin Or Plavix For Secondary Stroke Prevention Following Non-cardioembolic Stroke**

Zhou, L., Kraler, L., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Arcadia CSI (Cognition And Silent Infarcts): Update**

Lazar, R. M., Lansberg, M. G., Howard, G., Sheth, K. N., Tirschwell, D. L., Wintermark, M., Harris, T., Myers, T., Kemp, S. M., Cassarly, C., Broderick, J. P., Kamel, H., Elkind, et al
LIPPINCOTT WILLIAMS & WILKINS.2022

• **The Effect Of Anesthesia On Thrombectomy Outcomes Is Modified By Collateral Flow: Pooled Patient Level Analysis From EXTEND-IA, EXTEND-IA TNK Part I And II, And SELECT**

Sarraj, A., Albers, G., Hassan, A., Abraham, M. G., Blackburn, S., Hussain, M., Tekle, W., Ortega-Gutierrez, S., Aghaebrahim, A. N., Haussen, D. C., Toth, G., Budzik, R., Pujara, et al
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Hypoperfusion Lesion And Target Mismatch Prediction In Acute Ischemic Stroke From Baseline Mr Diffusion Imaging Using A 3d Convolutional Neural Network**

Yu, Y., Gong, E., Ouyang, J., Christensen, S., Scalzo, F., Liebeskind, D. S., Lansberg, M. G., Albers, G., Zaharchuk, G.
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Cerebral Perfusion Imaging And Posterior Circulation ASPECTS Identify Stroke Patients Who Benefit From Basilar Artery Thrombectomy**

Heit, J. J., Bianco, G., Mlynash, M., Yuen, N., Qureshi, A. Y., Hinduja, A., Dehkharghani, S., Goldman-Yassen, A., Hsieh, K., Giurgiutiu, D., Gibson, D., Carrera, E., Alemseged, et al
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Depression And Not Cognitive Ability Is Most Strongly Associated With Long-term Functional Outcomes Following Stroke.**

Drag, L. L., Musabbir, M., Mlynash, M., Mendez, M. P., Kim, D. K., Aghaeepour, N., Lansberg, M. G., Buckwalter, M. S.
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Higher White Blood Cell Count In The First Week After Stroke Predicts Worse Cognitive Outcomes In A Population With Smaller Ischemic Strokes**

Musabbir, M., Kim, D., Drag, L., Mlynash, M., Mendez, M., Lansberg, M. G., Smith, C. J., Buckwalter, M. S.
LIPPINCOTT WILLIAMS & WILKINS.2022

• **Venous outflow profiles are associated with early edema progression in ischemic stroke. International journal of stroke : official journal of the International Stroke Society**

van Horn, N., Heit, J. J., Kabiri, R., Broocks, G., Christensen, S., Mlynash, M., Meyer, L., Schoenfeld, M. H., Lansberg, M. G., Albers, G. W., Fiehler, J., Wintermark, M., Faizy, et al
1800: 17474930211065635

• **Thrombectomy for anterior circulation stroke beyond 6 h from time last known well (AURORA): a systematic review and individual patient data meta-analysis LANCET**

Jovin, T. G., Nogueira, R. G., Lansberg, M. G., Demchuk, A. M., Martins, S. O., Mocco, J., Ribo, M., Jadhav, A. P., Ortega-Gutierrez, S., Hill, M. D., Lima, F. O., Haussen, D. C., Brown, et al
2022; 399 (10321): 249-258

• **Design of a Wearable Vibrotactile Stimulation Device for Individuals With Upper-Limb Hemiparesis and Spasticity IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING**

Seim, C. E., Ritter, B., Starner, T. E., Flavin, K., Lansberg, M. G., Okamura, A. M.
2022; 30: 1277-1287

• **Perfusion Imaging Collateral Scores Predict Infarct Growth in Non-Reperfused DEFUSE 3 Patients. Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association**

MacLellan, A., Mlynash, M., Kemp, S., Ortega-Gutierrez, S., Heit, J. J., Marks, M. P., Lansberg, M. G., Albers, G. W., DEFUSE 3 Investigators
2021; 31 (1): 106208

• **Cerebral venous outflow profiles are associated with the first pass effect in endovascular thrombectomy. Journal of neurointerventional surgery**

van Horn, N., Heit, J. J., Kabiri, R., Mader, M. M., Christensen, S., Mlynash, M., Broocks, G., Meyer, L., Nawabi, J., Lansberg, M. G., Albers, G. W., Wintermark, M., Fiehler, et al
2021

- **Effect of dihydropyridine calcium channel blockers on blood pressure variability in the SPRINT trial: a treatment effects approach.** *Journal of hypertension*

de Havenon, A., Petersen, N., Wolcott, Z., Goldstein, E., Delic, A., Sheibani, N., Anadani, M., Sheth, K. N., Lansberg, M., Turan, T., Prabhakaran, S.
2021

- **Prediction of Stroke Infarct Growth Rates by Baseline Perfusion Imaging.** *Stroke*

Wouters, A., Robben, D., Christensen, S., Marquering, H. A., Roos, Y. B., van Oostenbrugge, R. J., van Zwam, W. H., Dippel, D. W., Majoie, C. B., Schonewille, W. J., van der Lugt, A., Lansberg, M., Albers, et al
2021: STROKEAHA121034444

- **Cilostazol for Secondary Stroke Prevention: History, Evidence, Limitations, and Possibilities.** *Stroke*

de Havenon, A., Sheth, K. N., Madsen, T. E., Johnston, K. C., Turan, T. N., Toyoda, K., Elm, J. J., Wardlaw, J. M., Johnston, S. C., Williams, O. A., Shoamanesh, A., Lansberg, M. G.
2021: STROKEAHA121035002

- **Distinct intraarterial Clot Localizations affect Tissue-Level Collaterals and Venous Outflow Profiles.** *European journal of neurology*

Faizy, T. D., Kabiri, R., Christensen, S., Mlynash, M., Kuraitis, G., Broocks, G., Flottmann, F., Meyer, L., Leischner, H., Lansberg, M. G., Albers, G. W., Marks, M. P., Fiehler, et al
2021

- **Standardized Nomenclature for Modified Rankin Scale Global Disability Outcomes: Consensus Recommendations From Stroke Therapy Academic Industry Roundtable XI.** *Stroke*

Saver, J. L., Chaisinanunkul, N., Campbell, B. C., Grotta, J. C., Hill, M. D., Khatri, P., Landen, J., Lansberg, M. G., Venkatasubramanian, C., Albers, G. W., XIth Stroke Treatment Academic Industry Roundtable
2021: STROKEAHA121034480

- **Assessment of Optimal Patient Selection for Endovascular Thrombectomy Beyond 6 Hours After Symptom Onset: A Pooled Analysis of the AURORA Database.** *JAMA neurology*

Albers, G. W., Lansberg, M. G., Brown, S., Jadhav, A. P., Haussen, D. C., Martins, S. O., Rebello, L. C., Demchuk, A. M., Goyal, M., Ribo, M., Turk, A. S., Liebeskind, D. S., Heit, et al
2021

- **EXPRESS: A Randomized Controlled Trial to Optimize Patients Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT2): Study Protocol.** *International journal of stroke : official journal of the International Stroke Society*

Sarraj, A., Hassan, A. E., Abraham, M., Ribo, M., Blackburn, S., Chen, M., Hussain, M. S., Pereira, V. M., Ortega, S., Sitton, C., Lavori, P. W., Cai, C., Rahbar, et al
2021: 17474930211035032

- **Acute Stroke Imaging Research Roadmap IV: Imaging Selection and Outcomes in Acute Stroke Clinical Trials and Practice.** *Stroke*

Campbell, B. C., Lansberg, M. G., Broderick, J. P., Derdeyn, C. P., Khatri, P., Sarraj, A., Saver, J. L., Vagal, A., Albers, G. W., STAIR XI Consortium, Adeoye, O., Ansari, S., Boltze, J., et al
2021: STROKEAHA121035132

- **Optimizing Deep Learning Algorithms for Segmentation of Acute Infarcts on Non-Contrast Material-enhanced CT Scans of the Brain Using Simulated Lesions.** *Radiology. Artificial intelligence*

Christensen, S., Mlynash, M., MacLaren, J., Federau, C., Albers, G. W., Lansberg, M. G.
2021; 3 (4): e200127

- **Penumbra Consumption Rates Based on Time-to-Maximum Delay and Reperfusion Status: A Post Hoc Analysis of the DEFUSE 3 Trial.** *Stroke*

Yaghui, S., Raz, E., Dehkharghani, S., Riina, H., McTaggart, R., Jayaraman, M., Prabhakaran, S., Liebeskind, D. S., Khatri, P., Mac Grory, B., Al-Mufti, F., Lansberg, M., Albers, et al
2021: STROKEAHA120033806

- **Cerebral CT Perfusion in Acute Stroke: The Effect of Lowering the Tube Load and Sampling Rate on the Reproducibility of Parametric Maps** *DIAGNOSTICS*

Ioannidis, G. S., Christensen, S., Nikiforaki, K., Trivizakis, E., Perisinakis, K., Hatzidakis, A., Karantanas, A., Reyes, M., Lansberg, M., Marias, K.
2021; 11 (6)

- **Evaluation of Systolic Blood Pressure, Use of Aspirin and Clopidogrel, and Stroke Recurrence in the Platelet-Oriented Inhibition in New TIA and Minor Ischemic Stroke Trial.** *JAMA network open*
de Havenon, A., Johnston, S. C., Easton, J. D., Kim, A. S., Sheth, K. N., Lansberg, M., Tirschwell, D., Mistry, E., Yaghi, S.
2021; 4 (6): e2112551
- **MR perfusion imaging: Half-dose gadolinium is half the quality.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
Heit, J. J., Christensen, S., Mlynash, M., Marks, M. P., Faizy, T. D., Lansberg, M. G., Wintermark, M., Bammer, R., Albers, G. W.
2021
- **Assistance from Automated ASPECTS Software Improves Reader Performance.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Delio, P. R., Wong, M. L., Tsai, J. P., Hinson, H. E., McMenamy, J., Le, T. Q., Prabhu, D., Mann, B. S., Copeland, K., Kwok, K., Haerian, H., Lansberg, M. J., Heit, et al
2021; 30 (7): 105829
- **Predicting Infarct Core From Computed Tomography Perfusion in Acute Ischemia With Machine Learning: Lessons From the ISLES Challenge.** *Stroke*
Hakim, A., Christensen, S., Winzeck, S., Lansberg, M. G., Parsons, M. W., Lucas, C., Robben, D., Wiest, R., Reyes, M., Zaharchuk, G.
2021: STROKEAHA120030696
- **Association of Venous Outflow Profiles and Successful Vessel Reperfusion After Thrombectomy.** *Neurology*
Faizy, T. D., Kabiri, R., Christensen, S., Mlynash, M., Kuraitis, G., Marc-Daniel Mader, M., Albers, G. W., Lansberg, M. G., Fiehler, P. J., Wintermark, M., Marks, M. P., Heit, J. J.
2021
- **A dynamic simulation framework for CT perfusion in stroke assessment built from first principles.** *Medical physics*
Divel, S. E., Christensen, S., Segars, W. P., Lansberg, M. G., Pelc, N. J.
2021
- **Selection criteria for large core trials: dogma or data?** *Journal of neurointerventional surgery*
Sarraj, A., Campbell, B., Ribo, M., Hussain, M. S., Chen, M., Abraham, M. G., Lansberg, M. G., Mendes Pereira, V., Blackburn, S., Sitton, C. W., Budzik, R. F., Perez de la Ossa, N., Arenillas, et al
2021
- **Clinical and Neuroimaging Outcomes of Direct Thrombectomy vs Bridging Therapy in Large Vessel Occlusion: Analysis of the SELECT Cohort Study.** *Neurology*
Sarraj, A., Grotta, J., Albers, G. W., Hassan, A. E., Blackburn, S., Day, A., Sitton, C., Abraham, M., Cai, C., Dannenbaum, M., Pujara, D., Hicks, W., Budzik, et al
2021
- **Prediction of Infarct Volume at the 24 Hours after Late Window Presentation with Perfusion Imaging in Patients with Anterior Circulation Large Vessel Occlusion**
Agarwal, S., Raz, E., Dehkharhani, S., Christensen, S., Lansberg, M., Yaghi, S., de Havenon, A.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Venous Outflow Profiles Are Linked to Cerebral Edema Formation at Noncontrast Head CT after Treatment in Acute Ischemic Stroke Regardless of Collateral Vessel Status at CT Angiography.** *Radiology*
Faizy, T. D., Kabiri, R., Christensen, S., Mlynash, M., Kuraitis, G., Meyer, L., Marks, M. P., Broocks, G., Flottmann, F., Lansberg, M. G., Albers, G. W., Fiehler, J., Wintermark, et al
2021: 203651
- **EXPRESS: Clinical Effectiveness of Endovascular Stroke Treatment in the Early and Extended Time Windows.** *International journal of stroke : official journal of the International Stroke Society*
Nogueira, R., Haussen, D. C., Liebeskind, D. S., Jovin, T. G., Gupta, R., Saver, J., Jadhav, A., Budzik, R., Baxter, B., Krajina, A., BonafA, A., Malek, A. R., Narata, et al
2021: 17474930211005740
- **Prediction of Infarct Volume at the 24 Hours After Late Window Presentation With Perfusion Imaging in Patients With Anterior Circulation Large Vessel Occlusion**
Agarwal, S., Raz, E., Dehkharhani, S., Christensen, S., Lansberg, M. G., Albers, G., Yaghi, S., De Havenon, A. H.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **RAPID-LVO for Automated Detection of Intracranial Large Vessel Occlusion in Ct Angiography of the Brain.**

Dehkharhani, S., Lansberg, M. G., Venkatsubramanian, C., Cereda, C. W., Lima, F. O., Coelho, H., Rocha, F. A., Qureshi, A. Y., Haerian, H. D., Montalverne, F., Copeland, K., Heit, J.

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Penumbra Consumption Rates Based on T Max Delay and Reperfusion Status: A Post-Hoc Analysis of the Defuse-3 Trial**

Yaghi, S., Raz, E., Dehkharhani, S., Riina, H., McTaggart, R., Jayaraman, M., Prabhakaran, S., Liebeskind, D. S., Khatri, P., Mac Grory, B. C., Lansberg, M. G., Albers, G. W., De Havenon, et al

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Assistance From Automated ASPECTS Software Improves Reader Performance.**

Delio, P. R., Wong, M. L., Tsai, J. P., Hinson, H. E., McMenamy, J., Le, T., Prabhu, D., Mann, B., Copeland, K., Kwok, K., Haerian, H., Lansberg, M. G., Heit, et al

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Intensive Blood Pressure Reduction and Secondary Stroke Risk: A Posthoc Analysis of the Sp3 Trial**

de Havenon, A. H., Lansberg, M. G., Falcone, G. J., Noche, R., Yaghi, S., Sheth, K. N.

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Effect of Premorbid Antiplatelet Medication on Infarct Volume at 24 Hours After Late Window Presentation With Anterior Circulation Large Vessel Occlusion**

de Havenon, A. H., Christensen, S., Lansberg, M. G., Mlynash, M., Albers, G. W., Yaghi, S.

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Validation of Deep Learning Based Critical Hypoperfusion and Ischemic Core Prediction in a Multicenter External Randomized Controlled Trial**

Yu, Y., Xie, Y., Christensen, S., Gong, E., Lansberg, M. G., Albers, G., Zaharchuk, G.

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Prediction of Stroke Lesion Growth Rates by Baseline Perfusion Imaging**

Wouters, A., Robben, D., Christensen, S., Marquering, H., Roos, Y., Oostenbrugge, R. V., van Zwam, W., Dippel, D. W., Majoie, C. B., van der Lugt, A., Lansberg, M. G., Albers, G. W., Suetens, et al

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Clinical Effectiveness of Endovascular Stroke Treatment in the Early and Extended Time Windows**

Nogueira, R., Haussen, D. C., Liebeskind, D. S., Jovin, T. G., Gupta, R., Saver, J. L., Jadhav, A., Budzik, R., Baxter, B. W., Krajina, A., Bonafe, A., Malek, A. R., Ana Paula, et al

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Accuracy of CT Perfusion Core Estimates for Predicting Infarct Size in the SELECT Study**

Sarraj, A., Campbell, B., Sitton, C., Christensen, S., Khanpara, S., Riascos, R., Pujara, D., Shaker, F., Lansberg, M. G., Albers, G., SELECT Investigators

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Can Deep Learning Find the Ischemic Core on CT? Transfer Learning From Pre-Trained MRI-Based Networks**

Yu, Y., Christensen, S., Xie, Y., Gong, E., Lansberg, M. G., Albers, G., Zaharchuk, G.

LIPPINCOTT WILLIAMS & WILKINS.2021

● **The Cerebral Collateral Cascade: Rethinking the Assessment of Vascular Pathways in Acute Ischemic Stroke Patients.**

Faizy, T. D., Mlynash, M., Kabiri, R., Christensen, S., Kuraitis, G., Mader, M., Flottmann, F., Broocks, G., Lansberg, M. G., Albers, G., Marks, M., Fiehler, J., Wintermark, et al

LIPPINCOTT WILLIAMS & WILKINS.2021

● **Clinical Outcomes and Identification of Patients With Persistent Penumbral Profiles Beyond 24 Hours From Last Known Well: Analysis From DEFUSE 3. Stroke**

Sarraj, A., Mlynash, M., Heit, J., Pujara, D., Lansberg, M., Marks, M., Albers, G. W.

2021: STROKEAHA120031147

● **The Utility of Domain-Specific End Points in Acute Stroke Trials. Stroke**

Cramer, S. C., Wolf, S. L., Saver, J. L., Johnston, K. C., Mocco, J., Lansberg, M. G., Savitz, S. I., Liebeskind, D. S., Smith, W., Wintermark, M., Elm, J. J., Khatri, P., Broderick, et al

2021: STROKEAHA120031939

● **Perfusion imaging-based tissue-level collaterals predict ischemic lesion net water uptake in patients with acute ischemic stroke and large vessel occlusion. Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism**

Faizy, T. D., Kabiri, R., Christensen, S., Mlynash, M., Kuraitis, G., Broocks, G., Hanning, U., Nawabi, J., Lansberg, M. G., Marks, M. P., Albers, G. W., Fiehler, J., Wintermark, et al
2021; 271678X21992200

● **Favorable Venous Outflow Profiles Correlate With Favorable Tissue-Level Collaterals and Clinical Outcome.** *Stroke*

Faizy, T. D., Kabiri, R. n., Christensen, S. n., Mlynash, M. n., Kuraitis, G. M., Broocks, G. n., Flottmann, F. n., Marks, M. P., Lansberg, M. G., Albers, G. W., Fiehler, J. n., Wintermark, M. n., Heit, et al
2021: STROKEAHA120032242

● **Ordinal Prediction Model of 90-Day Modified Rankin Scale in Ischemic Stroke.** *Frontiers in neurology*

Zhang, M. Y., Mlynash, M., Sainani, K. L., Albers, G. W., Lansberg, M. G.
2021; 12: 727171

● **Thrombectomy for anterior circulation stroke beyond 6 h from time last known well (AURORA): a systematic review and individual patient data meta-analysis.** *Lancet (London, England)*

Jovin, T. G., Nogueira, R. G., Lansberg, M. G., Demchuk, A. M., Martins, S. O., Mocco, J., Ribo, M., Jadhav, A. P., Ortega-Gutierrez, S., Hill, M. D., Lima, F. O., Haussen, D. C., Brown, et al
2021

● **Affective Ratings of Vibrotactile Signals in Older Adults With and Without History of Stroke**

Seim, C. E., Ritter, B., Flavin, K. E., Lansberg, M. G., Okamura, A. M., IEEE
IEEE.2021: 457-462

● **Predictors of Early and Late Infarct Growth in DEFUSE 3.** *Frontiers in neurology*

Tate, W. J., Polding, L. C., Christensen, S., Mlynash, M., Kemp, S., Heit, J. J., Marks, M. P., Albers, G. W., Lansberg, M. G.
2021; 12: 699153

● **Simulation of contrast agent dynamics in digital brain phantom for CT perfusion optimization**

Divel, S. E., Christensen, S., Lansberg, M. G., Pelc, N. J., Chen, G. H., Bosmans, H.
SPIE-INT SOC OPTICAL ENGINEERING.2021

● **Mapping causal circuit dynamics in stroke using simultaneous electroencephalography and transcranial magnetic stimulation.** *BMC neurology*

Rolle, C. E., Baumer, F. M., Jordan, J. T., Berry, K., Garcia, M., Monusko, K., Trivedi, H., Wu, W., Toll, R., Buckwalter, M. S., Lansberg, M., Etkin, A.
2021; 21 (1): 280

● **Home-based Virtual Reality Therapy for Hand Recovery After Stroke.** *PM & R : the journal of injury, function, and rehabilitation*

Lansberg, M. G., Legault, C. n., MacLellan, A. n., Parikh, A. n., Muccini, J. n., Mlynash, M. n., Kemp, S. n., Buckwalter, M. S., Flavin, K. n.
2021

● **Quality of Life in Physical, Social, and Cognitive Domains Improves With Endovascular Therapy in the DEFUSE 3 Trial.** *Stroke*

Polding, L. C., Tate, W. J., Mlynash, M. n., Marks, M. P., Heit, J. J., Christensen, S. n., Kemp, S. n., Albers, G. W., Lansberg, M. G.
2021: STROKEAHA120031490

● **Impact of Clot Shape on Successful M1 Endovascular Reperfusion.** *Frontiers in neurology*

Guenego, A., Fahed, R., Sussman, E. S., Leipzig, M., Albers, G. W., Martin, B. W., Marcellus, D. G., Kuraitis, G., Marks, M. P., Lansberg, M. G., Wintermark, M., Heit, J. J.
2021; 12: 642877

● **High-Performance Automated Anterior Circulation CT Angiographic Clot Detection in Acute Stroke: A Multireader Comparison.** *Radiology*

Dehkhanghani, S. n., Lansberg, M. n., Venkatsubramanian, C. n., Cereda, C. n., Lima, F. n., Coelho, H. n., Rocha, F. n., Qureshi, A. n., Haerian, H. n., Mont'Alverne, F. n., Copeland, K. n., Heit, J. n.
2021: 202734

● **Factors Associated with Hospital-Acquired Delirium in Patients 18–65 Years Old** *J GEN INTERN MED*

Rohatgi, N., Weng, Y., Ahuja, N., Lansberg, M. G.
2021

● **Characteristics of Younger and Older Adults with Hospital-Acquired Delirium: a Claims Data Study Spanning 14 years** *J GEN INTERN MED*

Rohatgi, N., Weng, Y., Ahuja, N., Lansberg, M. G.
2021

- **Early Infarct Growth Rate Correlation With Endovascular Thrombectomy Clinical Outcomes: Analysis From the SELECT Study.** *Stroke*
Sarraj, A., Hassan, A. E., Grotta, J., Blackburn, S., Day, A., Abraham, M., Sitton, C., Dannenbaum, M., Cai, C., Pujara, D., Hicks, W., Vora, N., Budzik, et al
2020: STROKEAHA120030912
- **Renal Safety of Multimodal Brain Imaging Followed by Endovascular Therapy.** *Stroke*
Cereda, C. W., Mlynash, M., Cippa, P. E., Kemp, S., Heit, J. J., Marks, M. P., Lansberg, M. G., Albers, G. W.
2020: STROKEAHA120030816
- **Effect of Sex on Clinical Outcome and Imaging after Endovascular Treatment of Large-Vessel Ischemic Stroke.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Demeestere, J., Christensen, S., Mlynash, M., Federau, C., Albers, G. W., Lemmens, R., Lansberg, M. G.
2020; 30 (2): 105468
- **Hypoperfusion Intensity Ratio Predicts Malignant Edema and Functional Outcome in Large-Vessel Occlusive Stroke with Poor Revascularization.** *Neurocritical care*
Murray, N. M., Culbertson, C. J., Wolman, D. N., Mlynash, M., Lansberg, M. G.
2020
- **Endovascular thrombectomy in patients with large core ischemic stroke: a cost-effectiveness analysis from the SELECT study.** *Journal of neurointerventional surgery*
Sarraj, A., Pizzo, E., Lobotesis, K., Grotta, J. C., Hassan, A. E., Abraham, M. G., Blackburn, S., Day, A. L., Dannenbaum, M. J., Hicks, W., Vora, N. A., Budzik, R. F., Sharrief, et al
2020
- **The Effect of Hyperglycemia on Infarct Growth after Reperfusion: An Analysis of the DEFUSE 3 trial.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Yaghi, S., Dehkharghani, S., Raz, E., Jayaraman, M., Tanweer, O., Grory, B. M., Henninger, N., Lansberg, M. G., Albers, G. W., Havenon, A. d.
2020; 30 (1): 105380
- **Correction to: "Optimizing Patient Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT): A Prospective Multicenter Cohort Study of Imaging Selection".** *Annals of neurology*
Sarraj, A., Hassan, A. E., Grotta, J., Sitton, C., Cutter, G., Cai, C., Chen, P. R., Imam, B., Pujara, D., Arora, A., Reddy, S., Parsha, K., Riascos, et al
2020; 88 (5): 1056-1057
- **Circle of Willis variants are not associated with thrombectomy outcomes.** *Stroke and vascular neurology*
Seifert-Held, T., Eberhard, K., Christensen, S., Hofer, E., Enzinger, C., Albers, G. W., Lansberg, M.
2020
- **Decision-Making Visual Aids for Late, Imaging-Guided Endovascular Thrombectomy for Acute Ischemic Stroke.** *Journal of stroke*
Moshayedi, P., Liebeskind, D. S., Jadhav, A., Jahan, R., Lansberg, M., Sharma, L., Nogueira, R. G., Saver, J. L.
2020; 22 (3): 377-86
- **Improved Segmentation and Detection Sensitivity of Diffusion-weighted Stroke Lesions with Synthetically Enhanced Deep Learning.** *Radiology. Artificial intelligence*
Federau, C., Christensen, S., Scherrer, N., Ospel, J. M., Schulze-Zachau, V., Schmidt, N., Breit, H., Maclarens, J., Lansberg, M., Kozerke, S.
2020; 2 (5): e190217
- **Optimizing Patient Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT): A Prospective Multicenter Cohort Study of Imaging Selection (vol 87, pg 419, 2020) ANNALS OF NEUROLOGY**
Sarraj, A., Hassan, A. E., Grotta, J., Sitton, C., Cutter, G., Cai, C., Chen, P. R., Imam, B., Pujara, D., Arora, A., Reddy, S., Parsha, K., Riascos, et al
2020
- **Perioperative Stroke Risk Reduction in Patients With Patent Foramen Ovale.** *JAMA neurology*
Rohatgi, N., Smilowitz, N. R., Lansberg, M. G.
2020
- **Natalizumab in acute ischemic stroke (ACTION II): a randomized, placebo-controlled trial.** *Neurology*
Elkind, M. S., Veltkamp, R., Montaner, J., Johnston, S. C., Singhal, A. B., Becker, K., Lansberg, M. G., Tang, W., Kasliwal, R., Elkins, J.
2020

- **Collateral status contributes to differences between observed and predicted 24-h infarct volumes in DEFUSE 3.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*
Rao, V. L., Mlynash, M., Christensen, S., Yennu, A., Kemp, S., Zaharchuk, G., Heit, J. J., Marks, M. P., Lansberg, M. G., Albers, G. W.
2020: 271678X20918816
- **CT perfusion core and ASPECT score prediction of outcomes in DEFUSE 3.** *International journal of stroke : official journal of the International Stroke Society*
Kim-Tenser, M., Mlynash, M., Lansberg, M. G., Tenser, M., Bulic, S., Jagadeesan, B., Christensen, S., Simpkins, A., Albers, G. W., Marks, M. P.
2020: 1747493020915141
- **Comparison of Tmax values between full- and half-dose gadolinium perfusion studies.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*
Christensen, S., Amukotuwa, S., Lansberg, M. G., Kemp, S., Heit, J. J., Mlynash, M., Marks, M. P., Albers, G. W., Bammer, R.
2020: 271678X20914537
- **Hypoperfusion Intensity Ratio Correlates With Angiographic Collaterals In Acute Ischemic Stroke With M1 Occlusion.** *European journal of neurology*
Guenego, A., Fahed, R., Albers, G. W., Kuraitis, G., Sussman, E. S., Martin, B. W., Marcellus, D. G., Olivot, J., Marks, M. P., Lansberg, M. G., Wintermark, M., Heit, J. J.
2020
- **Review of Perfusion Imaging in Acute Ischemic Stroke: From Time to Tissue.** *Stroke*
Demeestere, J., Wouters, A., Christensen, S., Lemmens, R., Lansberg, M. G.
2020: STROKEAHA119028337
- **Collateral Status Contributes to Differences Between Observed and Predicted 24-Hour Infarct Volumes in DEFUSE 3**
Rao, V., Mlynash, M., Christensen, S., Yennu, A., Kemp, S., Zaharchuk, G., Heit, J., Marks, M., Lansberg, M., Albers, G., DEFUSE 3 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Development of a Comprehensive Neuropsychological Battery to Assess Post-Stroke Cognitive Functioning**
Drag, L., Aghaeepour, N., Mlynash, M., Osborn, E., Rah, E., Buckwalter, M., Lansberg, M.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **How to Design Woke Stroke Tech: The STORIES Project**
Eakin, M., Gian, A., Kim, F., Muccini, J., Lansberg, M., Flavin, K.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Home-Based Virtual Reality Therapy for Hand Recovery After Stroke**
MacLellan, A., Legault, C., Parikh, A., Lugo, L., Kemp, S., Mlynash, M., Buckwalter, M., Flavin, K., Lansberg, M.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **The Value of Pre-Training for Deep Learning Acute Stroke Triaging Models**
Yu, Y., Xie, Y., Gong, E., Thamm, T., Ouyang, J., Christensen, S., Lansberg, M., Albers, G., Zaharchuk, G.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Unfavorable Baseline Hypoperfusion Intensity Ratio is Associated With Infarct Growth and Poor Outcome in Patients With Distal MCA Occlusions**
MacLellan, A., Mlynash, M., Kemp, S., Christensen, S., Marks, M., Lansberg, M., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2020
- **Optimizing Patient Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT): A Prospective Multicenter Cohort Study of Imaging Selection.** *Annals of neurology*
Sarraj, A., Hassan, A. E., Grotta, J., Sitton, C., Cutter, G., Cai, C., Chen, P. R., Imam, B., Pujara, D., Arora, A., Reddy, S., Parsha, K., Riascos, et al
2020
- **National Institutes of Health StrokeNet During the Time of COVID-19 and Beyond.** *Stroke*
Broderick, J. P., Elm, J. J., Janis, L. S., Zhao, W. n., Moy, C. S., Dillon, C. R., Chimowitz, M. I., Sacco, R. L., Cramer, S. C., Wolf, S. L., Johnston, K. C., Saver, J. L., Marshall, et al
2020; 51 (8): 2580–86
- **Effect of Oxygen Extraction (Brush-Sign) on Baseline Core Infarct Depends on Collaterals (HIR).** *Frontiers in neurology*
Guenego, A., Leipzig, M., Fahed, R., Sussman, E. S., Faizy, T. D., Martin, B. W., Marcellus, D. G., Wintermark, M., Olivot, J., Albers, G. W., Lansberg, M. G., Heit, J. J.

2020; 11: 618765

- **A longitudinal study of the post-stroke immune response and cognitive functioning: the StrokeCog study protocol.** *BMC neurology*
Drag, L. L., Mlynash, M. n., Nassar, H. n., Osborn, E. n., Kim, D. E., Angst, M. S., Aghaeepour, N. n., Buckwalter, M. n., Lansberg, M. G.
2020; 20 (1): 313
- **Sex Differences in Oral Anticoagulation and Outcomes of Stroke and Intracranial Bleeding in Newly Diagnosed Atrial Fibrillation.** *Journal of the American Heart Association*
Yong, C. M., Tremmel, J. A., Lansberg, M. G., Fan, J. n., Askari, M. n., Turakhia, M. P.
2020: e015689
- **Tilt-Corrected Region Boundaries May Enhance the Alberta Stroke Program Early Computed Tomography Score for Less Experienced Raters.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Culbertson, C. J., Christensen, S. n., Mlynash, M. n., Heit, J. J., Federau, C. n., Sells, C. M., Legault, C. n., McCaslin, A. F., Werbaneth, K. n., Albers, G. W., Lansberg, M. G.
2020: 104820
- **Use of Deep Learning to Predict Final Ischemic Stroke Lesions From Initial Magnetic Resonance Imaging.** *JAMA network open*
Yu, Y. n., Xie, Y. n., Thamm, T. n., Gong, E. n., Ouyang, J. n., Huang, C. n., Christensen, S. n., Marks, M. P., Lansberg, M. G., Albers, G. W., Zaharchuk, G. n.
2020; 3 (3): e200772
- **What predicts poor outcome after successful thrombectomy in late time windows?** *Journal of neurointerventional surgery*
Heit, J. J., Mlynash, M. n., Christensen, S. n., Kemp, S. M., Lansberg, M. G., Marks, M. P., Olivot, J. M., Gregory, A. W.
2020
- **Stroke epidemiology and stroke policies in China from 1980 to 2017: A systematic review and meta-analysis.** *International journal of stroke : official journal of the International Stroke Society*
Hu, S., Cui, B., Mlynash, M., Zhang, X., Mehta, K. M., Lansberg, M. G.
2019: 1747493019873562
- **CT perfusion in acute stroke: Practical guidance for implementation in clinical practice** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Christensen, S., Lansberg, M. G.
2019; 39 (9): 1664–68
- **Endovascular versus medical therapy for large-vessel anterior occlusive stroke presenting with mild symptoms.** *International journal of stroke : official journal of the International Stroke Society*
Wolman, D. N., Marcellus, D. G., Lansberg, M. G., Albers, G., Guenego, A., Marks, M. P., Dodd, R. L., Do, H. M., Wintermark, M., Martin, B. W., Heit, J. J.
2019: 1747493019873510
- **Outcomes of Endovascular Thrombectomy vs Medical Management Alone in Patients With Large Ischemic Cores: A Secondary Analysis of the Optimizing Patient's Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT) Study.** *JAMA neurology*
Sarraj, A., Hassan, A. E., Savitz, S., Sitton, C., Grotta, J., Chen, P., Cai, C., Cutter, G., Imam, B., Reddy, S., Parsha, K., Pujara, D., Riascos, et al
2019
- **Thrombectomy Results in Reduced Hospital Stay, More Home-Time, and More Favorable Living Situations in DEFUSE 3.** *Stroke*
Tate, W. J., Polding, L. C., Kemp, S., Mlynash, M., Heit, J. J., Marks, M. P., Albers, G. W., Lansberg, M. G.
2019: STROKEAHA119025165
- **Initiative for prevention and early identification of delirium in medical-surgical units: Lessons learnt in the past five years.** *The American journal of medicine*
Rohatgi, N., Weng, Y., Bentley, J., Lansberg, M. G., Shepard, J., Mazur, D., Ahuja, N., Hopkins, J.
2019
- **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; 76 (6): 682–89
- **A YEAR-LONG IMMUNE PROFILE OF THE SYSTEMIC RESPONSE IN ACUTE STROKE SURVIVORS**
Tsai, A., Berry, K., Beneyto, M. M., Gaudilliere, D., Ganio, E. A., Culos, A., Ghaemi, M. S., Choisy, B., Djebali, K., Einhaus, J. F., Bertrand, B., Tanada, A., Stanley, et al

LIPPINCOTT WILLIAMS & WILKINS.2019: 155

● **Artificial Neural Network Computer Tomography Perfusion Prediction of Ischemic Core** *STROKE*

Kasasbeh, A. S., Christensen, S., Parsons, M. W., Campbell, B., Albers, G. W., Lansberg, M. G.
2019; 50 (6): 1578–81

● **Collateral blood flow measurement with intravoxel incoherent motion perfusion imaging in hyperacute brain stroke** *NEUROLOGY*

Federau, C., Wintermark, M., Christensen, S., Mlynash, M., Marcellus, D. G., Zhu, G., Martin, B. W., Lansberg, M. G., Albers, G. W., Heit, J. J.
2019; 92 (21): E2462–E2471

● **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; 50 (5): 1172–77

● **Collateral blood flow measurement with intravoxel incoherent motion perfusion imaging in hyperacute brain stroke.** *Neurology*

Federau, C., Wintermark, M., Christensen, S., Mlynash, M., Marcellus, D. G., Zhu, G., Martin, B. W., Lansberg, M. G., Albers, G. W., Heit, J. J.
2019

● **STAIR X. Stroke**

Demchuk, A. M., Albers, G. W., Nogueira, R. G., STAIR X Consortium *, STAIR X (Stroke Treatment Academic Industry Roundtable) writing contributors, Alexandrov, A. V., Arbe-Barnes, S., Baron, J., Boltze, J., Broderick, J. P., Broschat, K., Campbell, B. C., Derdeyn, C. P., Elkind, et al
2019: STROKEAHA119024337

● **Baseline Perfusion Imaging Collateral Scores Predict Infarct Growth in DEFUSE 3**

MacLellan, A., Mlynash, M., Heit, J., Marks, M., Lansberg, M., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **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., Ortega-Gutierrez, S., Broderick, J., Heit, J., Marks, M. P., Albers, G. W., Ortega-Gutierrez, et al
2019; 76 (4): 447–53

● **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; 50 (4): 917–22

● **A year-long immune profile of the systemic response in acute stroke survivors.** *Brain : a journal of neurology*

Tsai, A. S., Berry, K., Beneyto, M. M., Gaudilliere, D., Ganio, E. A., Culos, A., Ghaemi, M. S., Choisy, B., Djebali, K., Einhaus, J. F., Bertrand, B., Tanada, A., Stanley, et al
2019

● **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

● **DEFUSE 3 Trial Outcomes not Affected by the Enrollment Rates of the Participating Centers.**

Mlynash, M., Lansberg, M. G., Kemp, S., Christensen, S., Heit, J. J., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Feasibility and Utility of Home-Based Gait Analysis Using Body-Worn Sensors**

Huang, E., Sharp, M. T., Osborn, E., MacLellan, A., Mlynash, M., Kemp, S., Buckwalter, M. S., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Deep Immune Profiling of the Post-Stroke Peripheral Immune Response Reveals Tri-phasic Response and Correlations With Long-Term Cognitive Outcomes**

Tsai, A. S., Berry, K., Beneyto, M. M., Gaudilliere, D., Ganio, E. A., Choisy, B., Djebali, K., Baca, Q., Quach, L., Drag, L., Lansberg, M. G., Angst, M. S., Gaudilliere, et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Ischemic Core Volume Modifies the Association Between ASPECT Score and Clinical Outcome.**

Sarraj, A., Hassan, A., Grotta, J., Sitton, C., Chen, P. R., Cai Chunyan, Cutter, G., Pujara, D., Imam, B., Reddy, S., Kamal, H., Abraham, M., McCullough, L., et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Early Infarct Growth Correlates With Both Collateral Status and Clinical Outcomes After Thrombectomy**

Sarraj, A., Savitz, S., Sitton, C., Hassan, A., Cai Chunyuan, Pujara, D., Grotta, J., Imam, B., Chen, P. R., Cutter, G., Reddy, S., Kamal, H., Abraham, M., et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Comparison of Predicted vs. Actual Enrollment Into the NIH StrokeNet DEFUSE 3 Trial: Effectiveness of a Population-Based Epidemiology Feasibility Assessment in Improving Enrollment Into Clinical Trials.**

Kleindorfer, D. O., Moomaw, C. J., Mlynash, M., Broderick, J. P., Khatri, P., Saver, J. L., Alwell, K., Kemp, S., Janis, S., Moy, C., Woo, D., Flaherty, M. L., Feroli, et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Baseline Perfusion Imaging Collateral Scores Predict Infarct Growth in DEFUSE 3**

MacLellan, A., Heit, J. J., Marks, M. P., Lansberg, M. G., Michael, M., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Deep Learning Based Prediction of Tissue Status From Native CT Perfusion Images.**

Robben, D., Christensen, S., Boers, A. M., Marquering, H. A., Majoie, C. B., van Oostenbrugge, R. J., Roos, Y. B., Dippel, D. W., van Zwam, W. H., van der Lugt, A., Lansberg, M. G., Albers, G. W., Suetens, et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Endovascular Thrombectomy May Be Safe and Effective in Patients With Large Core Lesions on Either Simple CT or Perfusion Images**

Sarraj, A., Hassan, A., Grotta, J., Sitton, C., Chen, P. R., Vora, N., Cai Chuyan, Cutter, G., Pujara, D., Imam, B., Reddy, S., Kamal, H., Abraham, M., et al
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Evaluating the Generalizability of the Common Odds Ratio: A Demonstration using Two Trials of Endovascular Therapy.**

Yeatts, S. D., Mlynash, M., Lavori, P. W., Albers, G. W., Lansberg, M. G., Broderick, J. P., Palesch, Y. Y., Hamilton, S.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Optimizing CT Perfusion Thresholds for Identification of Ischemic Core in Hyperacute Stroke.**

Legault, C., Lansberg, M., Heit, J., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2019

● **Late Window Transfer Patients had Favorable Outcomes Following Thrombectomy in DEFUSE 3**

Sarraj, A., Mlynash, M., Heit, J., Marks, M., Lansberg, M., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **A Closer Look at Late Window Thrombectomy Selection**

Lesile-Mazwi, T. M., Hamilton, S., Mlynash, M., Patel, A. B., Schwamm, L. H., Lansberg, M. G., Marks, M. P., Hirsch, J. A., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **CT Perfusion Collateral Score Predicts Which Patients Will Maintain a Penumbra Profile on MRI for Greater than 24 Hours**

Christensen, S., Mlynash, M., Kemp, S., Yennu, A., Heit, J. J., Marks, M. P., Lansberg, M. G., Albers, G., DEFUSE 3 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Correlation between Modified Rankin Scale and Quality of Life in DEFUSE 3**

Polding, L. C., Tate, W. J., Mlynash, M., Marks, M. P., Heit, J. J., Kemp, S., Albers, G. W., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Combination of Tmax and Relative CBV Perfusion Parameters More Accurately Predicts CTA Collaterals Than a Single Perfusion Parameter in DEFUSE 3.**

Mlynash, M., Lansberg, M. G., Kemp, S., Christensen, S., Yennu, A., Heit, J. J., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Union of Ischemic Core and Hypoperfusion Volume Correlates With 24-hour Infarct Size in DEFUSE 3**

Rao, V., Christensen, S., Yennu, A., Mlynash, M., Zaharchuk, G., Heit, J., Marks, M. P., Lansberg, M. G., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Later Imaging More Accurately Captures Infarct Growth in DEFUSE 3**

Tate, W. J., Polding, L. C., Christensen, S., Mlynash, M., Heit, J. J., Marks, M. M., Albers, G. W., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Early Dramatic Improvement on the National Institutes of Health Stroke Scale Predicts Favorable Outcome 90 Days After Thrombectomy in the DEFUSE 3 Study.**

Heit, J. J., Mlynash, M., Kemp, S., Lansberg, M. G., Christiansen, S., Marks, M. P., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Improved Quality of Life With Endovascular Therapy in the DEFUSE 3 Trial**

Polding, L. C., Tate, W. J., Mlynash, M., Marks, M. P., Heit, J. J., Kemp, S., Albers, G. W., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Thrombectomy Results in Reduced Hospital Stay, More Time at Home, and More Favorable Living Situations for Patients in the DEFUSE 3 Trial.**

Tate, W. J., Polding, L. C., Kemp, S., Mlynash, M., Heit, J. J., Marks, M. P., Albers, G. W., Lansberg, M. G.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Thrombectomy With Conscious Sedation Increases Functional Independence Compared to General Anesthesia: A DEFUSE-3 Post-hoc Analysis**

Dornbos, D. L., Powers, C. J., Mlynash, M., Gulati, D., Torbey, M., Nimjee, S. M., Lansberg, M. G., Marks, M. P.
LIPPINCOTT WILLIAMS & WILKINS.2019

- **Results From the DEFUSE 3 Trial: Good Leptomeningeal Collaterals Are Associated With Reduced Core Infarct Size but Not Improved Neurologic Outcome**

de Havenon, A., Mlynash, M., Kim-Tenser, M. A., Lansberg, M., Leslie-Mazwi, T., Christensen, S., McTaggart, R., Alexander, M., Albers, G., Broderick, J., Marks, M. P., Heit, J., DEFUSE 3 Investigators
LIPPINCOTT WILLIAMS & WILKINS.2019

- **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

- **A Relative Noncontrast CT Map to Detect Early Ischemic Changes in Acute Stroke. *Journal of neuroimaging : official journal of the American Society of Neuroimaging***

Srivatsan, A., Christensen, S., Lansberg, M. G.
2019

- **Contralateral Hemispheric Cerebral Blood Flow Measured With Arterial Spin Labeling Can Predict Outcome in Acute Stroke.** *Stroke*
Thamm, T. n., Guo, J. n., Rosenberg, J. n., Liang, T. n., Marks, M. P., Christensen, S. n., Do, H. M., Kemp, S. M., Adair, E. n., Eynorn, I. n., Mlynash, M. n., Jovin, T. G., Keogh, et al
2019; STROKEAHA119026499
- **Artificial Neural Network Computer Tomography Perfusion Prediction of Ischemic Core.** *Stroke*
Kasasbeh, A. S., Christensen, S. n., Parsons, M. W., Campbell, B. n., Albers, G. W., Lansberg, M. G.
2019; STROKEAHA118022649
- **Thrombectomy for acute ischemic stroke in nonagenarians compared with octogenarians.** *Journal of neurointerventional surgery*
Sussman, E. S., Martin, B. n., Mlynash, M. n., Marks, M. P., Marcellus, D. n., Albers, G. n., Lansberg, M. n., Dodd, R. n., Do, H. M., Heit, J. J.
2019
- **Response by Demeestere et al to Letter Regarding Article, "Alberta Stroke Program Early CT Score Versus Computed Tomographic Perfusion to Predict Functional Outcome After Successful Reperfusion in Acute Ischemic Stroke".** *Stroke*
Demeestere, J., Albers, G. W., Lansberg, M., Lemmens, R.
2018; STROKEAHA118023955
- **CT perfusion in acute stroke: Practical guidance for implementation in clinical practice.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*
Christensen, S., Lansberg, M. G.
2018; 271678X18805590
- **Alberta Stroke Program Early CT Score Versus Computed Tomographic Perfusion to Predict Functional Outcome After Successful Reperfusion in Acute Ischemic Stroke.** *Stroke*
Demeestere, J., Scheldeman, L., Cornelissen, S. A., Heye, S., Wouters, A., Dupont, P., Christensen, S., Mlynash, M., Albers, G. W., Lansberg, M., Lemmens, R.
2018; 49 (10): 2361–67
- **Hypoperfusion Ratio predicts infarct growth during transfer for thrombectomy.** *Annals of neurology*
Guenego, A., Mlynash, M., Christensen, S., Kemp, S., Heit, J. J., Lansberg, M. G., Albers, G. W.
2018
- **Prognostic Value of BEFAST vs. FAST to Identify Stroke in a Prehospital Setting.** *Prehospital emergency care : official journal of the National Association of EMS Physicians and the National Association of State EMS Directors*
Pickham, D., Valdez, A., Demeestere, J., Lemmens, R., Diaz, L., Hopper, S., de la Cuesta, K., Rackover, F., Miller, K., Lansberg, M.
2018; 0
- **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
- **Multimodal magnetic resonance imaging to identify stroke onset within 6 h in patients with large vessel occlusions** *EUROPEAN STROKE JOURNAL*
Wouters, A., Dupont, P., Christensen, S., Norrving, B., Laage, R., Thomalla, G., Kemp, S., Lansberg, M., Thijs, V., Albers, G. W., Lemmens, R.
2018; 3 (2): 185–92
- **Multimodal magnetic resonance imaging to identify stroke onset within 6 h in patients with large vessel occlusions.** *European stroke journal*
Wouters, A., Dupont, P., Christensen, S., Norrving, B., Laage, R., Thomalla, G., Kemp, S., Lansberg, M., Thijs, V., Albers, G. W., Lemmens, R.
2018; 3 (2): 185–192
- **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*
Vinny, 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-+

• **Effects of alteplase for acute stroke according to criteria defining the European Union and United States marketing authorizations: Individual-patient-data meta-analysis of randomized trials** *INTERNATIONAL JOURNAL OF STROKE*

Hacke, W., Lyden, P., Emberson, J., Baigent, C., Blackwell, L., Albers, G., Bluhmki, E., Brott, T., Cohen, G., Davis, S. M., Donnan, G. A., Grotta, J. C., Howard, et al
2018; 13 (2): 175-89

• **Visual Aids for Patient, Family, and Physician Decision Making About Endovascular Thrombectomy for Acute Ischemic Stroke** *STROKE*

Tokunboh, I., Vales Montero, M., Almeida, M., Sharma, L., Starkman, S., Szeder, V., Jahan, R., Liebeskind, D., Gonzalez, N., Demchuk, A., Froehler, M. T., Goyal, M., Lansberg, et al
2018; 49 (1): 90-+

• **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. n., Wintermark, M. n., Zaharchuk, G. n., 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. n., Martin, B. W., Zhu, G. n., Marks, M. P., Zaharchuk, G. n., Dodd, R. L., Do, H. M., Steinberg, G. K., Lansberg, M. G., Albers, G. W., Federau, C. n.
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. n., Christensen, S. n., Tsai, J. P., Ortega-Gutierrez, S. n., McTaggart, R. A., Torbey, M. T., Kim-Tenser, M. n., Leslie-Mazwi, T. n., Sarraj, A. n., Kasner, S. E., Ansari, et al
2018; 378 (8): 708-18

• **Early Cerebral Vein After Endovascular Ischemic Stroke Treatment Predicts Symptomatic Reperfusion Hemorrhage.** *Stroke*

Cartmell, S. C., Ball, R. L., Kaimal, R. n., Telischak, N. A., Marks, M. P., Do, H. M., Dodd, R. L., Albers, G. W., Lansberg, M. G., Heit, J. J.
2018

• **A Comparison of Relative Time to Peak and Tmax for Mismatch-Based Patient Selection** *FRONTIERS IN NEUROLOGY*

Wouters, A., Christensen, S., Straka, M., Mlynash, M., Liggins, J., Bammer, R., Thijs, V., Lemmens, R., Albers, G. W., Lansberg, M. G.
2017; 8: 539

• **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

• **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., Nogueria, R. G., Jovin, T., Devlin, T. G., Akhtar, N., Yavagal, et al
2017

• **Stroke Recovery and Rehabilitation Research: Issues, Opportunities, and the National Institutes of Health StrokeNet.** *Stroke*

Cramer, S. C., Wolf, S. L., Adams, H. P., Chen, D., Dromerick, A. W., Dunning, K., Ellerbe, C., Grande, A., Janis, S., Lansberg, M. G., Lazar, R. M., Palesch, Y. Y., Richards, et al
2017; 48 (3): 813-819

• **Safety and efficacy of natalizumab in patients with acute ischaemic stroke (ACTION): a randomised, placebo-controlled, double-blind phase 2 trial.** *The Lancet. Neurology*

Elkins, J., Veltkamp, R., Montaner, J., Johnston, S. C., Singhal, A. B., Becker, K., Lansberg, M. G., Tang, W., Chang, I., Muralidharan, K., Gheuens, S., Mehta, L., Elkind, et al
2017; 16 (3): 217-226

• **Power of an Adaptive Trial Design for Endovascular Stroke Studies Simulations Using IMS (Interventional Management of Stroke) III Data** *STROKE*

Lansberg, M. G., Bhat, N. S., Yeatts, S. D., Palesch, Y. Y., Broderick, J. P., Albers, G. W., Lai, T. L., Lavori, P. W.
2016; 47 (12): 2931-2937

- **Optimal Computed Tomographic Perfusion Scan Duration for Assessment of Acute Stroke Lesion Volumes** *STROKE*
Kasabeh, A. S., Christensen, S., Straka, M., Mishra, N., Mlynash, M., Bammer, R., Albers, G. W., Lansberg, M. G.
2016; 47 (12): 2966-2971
- **Comparison of stroke volume evolution on diffusion-weighted imaging and fluid-attenuated inversion recovery following endovascular thrombectomy.** *International journal of stroke*
Federau, C., Christensen, S., Mlynash, M., Tsai, J., Kim, S., Zaharchuk, G., Inoue, M., Straka, M., Mishra, N. K., Kemp, S., Lansberg, M. G., Albers, G. W.
2016
- **A benchmarking tool to evaluate computer tomography perfusion infarct core predictions against a DWI standard** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Cereda, C. W., Christensen, S., Campbell, B. C., Mishra, N. K., Mlynash, M., Levi, C., Straka, M., Wintermark, M., Bammer, R., Albers, G. W., Parsons, M. W., Lansberg, M. G.
2016; 36 (10): 1780-1789
- **Development of a Mobile Tool That Semiautomatically Screens Patients for Stroke Clinical Trials.** *Stroke; a journal of cerebral circulation*
Spokoyny, I., Lansberg, M., Thiessen, R., Kemp, S. M., Aksoy, D., Lee, Y., Mlynash, M., Hirsch, K. G.
2016; 47 (10): 2652-2655
- **Analysis of perfusion MRI in stroke: To deconvolve, or not to deconvolve.** *Magnetic resonance in medicine*
Meijs, M., Christensen, S., Lansberg, M. G., Albers, G. W., Calamante, F.
2016; 76 (4): 1282-1290
- **Detection of Atrial Fibrillation Among Patients With Stroke Due to Large or Small Vessel Disease: A Meta-Analysis.** *Journal of the American Heart Association*
Demeestere, J., Fieuws, S., Lansberg, M. G., Lemmens, R.
2016; 5 (9)
- **Effects of Alteplase for Acute Stroke on the Distribution of Functional Outcomes: A Pooled Analysis of 9 Trials.** *Stroke; a journal of cerebral circulation*
Lees, K. R., Emberson, J., Blackwell, L., Bluhmki, E., Davis, S. M., Donnan, G. A., Grotta, J. C., Kaste, M., von Kummer, R., Lansberg, M. G., Lindley, R. I., Lyden, P., Murray, et al
2016; 47 (9): 2373-2379
- **Risk of intracerebral haemorrhage with alteplase after acute ischaemic stroke: a secondary analysis of an individual patient data meta-analysis.** *The Lancet. Neurology*
Whiteley, W. N., Emberson, J., Lees, K. R., Blackwell, L., Albers, G., Bluhmki, E., Brott, T., Cohen, G., Davis, S., Donnan, G., Grotta, J., Howard, G., Kaste, et al
2016; 15 (9): 925-933
- **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
- **Evolution of Volume and Signal Intensity on Fluid-attenuated Inversion Recovery MR Images after Endovascular Stroke Therapy** *RADIOLOGY*
Federau, C., Mlynash, M., Christensen, S., Zaharchuk, G., Cha, B., Lansberg, M. G., Wintermark, M., Albers, G. W.
2016; 280 (1): 184-192
- **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., Majioie, 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
- **Identification of imaging selection patterns in acute ischemic stroke patients and the influence on treatment and clinical trial enrollment decision making.** *International journal of stroke*
Luby, M., Warach, S. J., Albers, G. W., Baron, J., Cognard, C., Dávalos, A., Donnan, G. A., Fiebach, J. B., Fiehler, J., Hacke, W., Lansberg, M. G., Liebeskind, D. S., Mattle, et al

2016; 11 (2): 180-190

- **Inter-rater agreement analysis of the Precise Diagnostic Score for suspected transient ischemic attack.** *International journal of stroke*
Cereda, C. W., George, P. M., Inoue, M., Vora, N., Olivot, J., Schwartz, N., Lansberg, M. G., Kemp, S., Mlynash, M., Albers, G. W.
2016; 11 (1): 85-92
- **Prediction of final infarct volume on subacute MRI by quantifying cerebral edema in ischemic stroke.** *Journal of cerebral blood flow and metabolism*
Tipirneni-Sajja, A., Christensen, S., Straka, M., Inoue, M., Lansberg, M. G., Mlynash, M., Bammer, R., Parsons, M. W., Donnan, G. A., Davis, S. M., Albers, G. W.
2016; 27(16): 271678X16683960-?
- **Magnetic resonance imaging-based endovascular versus medical stroke treatment for symptom onset up to 12?h.** *International journal of stroke*
Wouters, A., Lemmens, R., Christensen, S., Wilms, G., Dupont, P., Mlynash, M., Schneider, A., Laage, R., Cereda, C. W., Lansberg, M. G., Albers, G. W., Thijs, V.
2016; 11 (1): 127-133
- **Ultra-acute CT perfusion imaging: A stroke in the scanner.** *Neurology*
Christensen, S., Obi, C., Albers, G., Lansberg, M.
2015; 85 (19): 1725-6
- **Yield of CT perfusion for the evaluation of transient ischaemic attack.** *International journal of stroke*
Kleinman, J. T., Mlynash, M., Zaharchuk, G., Oggie, A. A., Straka, M., Lansberg, M. G., Schwartz, N. E., Singh, P., Kemp, S., Bammer, R., Albers, G. W., Olivot, J.
2015; 10: 25-29
- **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
- **A score based on age and DWI volume predicts poor outcome following endovascular treatment for acute ischemic stroke** *INTERNATIONAL JOURNAL OF STROKE*
Liggins, J. T., Yoo, A. J., Mishra, N. K., Wheeler, H. M., Straka, M., Leslie-Mazwi, T. M., Chaudhry, Z. A., Kemp, S., Mlynash, M., Bammer, R., Albers, G. W., Lansberg, M. G.
2015; 10 (5): 705-709
- **The growth rate of early DWI lesions is highly variable and associated with penumbral salvage and clinical outcomes following endovascular reperfusion** *INTERNATIONAL JOURNAL OF STROKE*
Wheeler, H. M., Mlynash, M., Inoue, M., Tipirnini, A., Liggins, J., Bammer, R., Lansberg, M. G., Kemp, S., Zaharchuk, G., Straka, M., Albers, G. W.
2015; 10 (5): 723-729
- **Worse stroke outcome in atrial fibrillation is explained by more severe hypoperfusion, infarct growth, and hemorrhagic transformation** *INTERNATIONAL JOURNAL OF STROKE*
Tu, H. T., Campbell, B. C., Christensen, S., Desmond, P. M., De Silva, D. A., Parsons, M. W., Churilov, L., Lansberg, M. G., Mlynash, M., Olivot, J., Straka, M., Bammer, R., Albers, et al
2015; 10 (4): 534-540
- **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
- **Apparent diffusion coefficient threshold for delineation of ischemic core.** *International journal of stroke*
Purushotham, A., Campbell, B. C., Straka, M., Mlynash, M., Olivot, J., Bammer, R., Kemp, S. M., Albers, G. W., Lansberg, M. G.
2015; 10 (3): 348-353
- **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

● **Diagnostic yield of extended cardiac patch monitoring in patients with stroke or TIA** *FRONTIERS IN NEUROLOGY*

Tung, C. E., Su, D., Turakhia, M. P., Lansberg, M. G.

2015; 5

● **Imaging selection in ischemic stroke: feasibility of automated CT-perfusion analysis** *INTERNATIONAL JOURNAL OF STROKE*

Campbell, B. C., Yassi, N., Ma, H., Sharma, G., Salinas, S., Churilov, L., Meretoja, A., Parsons, M. W., Desmond, P. M., Lansberg, M. G., Donnan, G. A., Davis, S. M.

2015; 10 (1): 51-54

● **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

● **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

● **Effect of treatment delay, age, and stroke severity on the effects of intravenous thrombolysis with alteplase for acute ischaemic stroke: a meta-analysis of individual patient data from randomised trials** *LANCET*

Emberson, J., Lees, K. R., Lyden, P., Blackwell, L., Albers, G., Bluhmki, E., Brott, T., Cohen, G., Davis, S., Donnan, G., Grotta, J., Howard, G., Kaste, et al 2014; 384 (9958): 1929-1935

● **Effect of treatment delay, age, and stroke severity on the effects of intravenous thrombolysis with alteplase for acute ischaemic stroke: a meta-analysis of individual patient data from randomised trials.** *Lancet*

Emberson, J., Lees, K. R., Lyden, P., Blackwell, L., Albers, G., Bluhmki, E., Brott, T., Cohen, G., Davis, S., Donnan, G., Grotta, J., Howard, G., Kaste, et al 2014; 384 (9958): 1929-1935

● **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

● **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

● **Pittsburgh outcomes after stroke thrombectomy score predicts outcomes after endovascular therapy for anterior circulation large vessel occlusions.** *Stroke; a journal of cerebral circulation*

Rangaraju, S., Liggins, J. T., Aghaebrahim, A., Streib, C., Sun, C., Gupta, R., Nogueira, R., Frankel, M., Mlynash, M., Lansberg, M., Albers, G., Jadhav, A., Jovin, et al

2014; 45 (8): 2298-2304

● **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

● **Early diffusion-weighted imaging reversal after endovascular reperfusion is typically transient in patients imaged 3 to 6 hours after onset.** *Stroke; a journal of cerebral circulation*

Inoue, M., Mlynash, M., Christensen, S., Wheeler, H. M., Straka, M., Tipirneni, A., Kemp, S. M., Zaharchuk, G., Olivot, J., Bammer, R., Lansberg, M. G., Albers, G. W.

2014; 45 (4): 1024-1028

- **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
- **Bilateral internal carotid artery occlusion associated with the antiphospholipid antibody syndrome.** *Case reports in neurology*
Anand, P., Mann, S. K., Fischbein, N. J., Lansberg, M. G.
2014; 6 (1): 50-54
- **Diagnostic Yield of Extended Cardiac Patch Monitoring in Patients with Stroke or TIA.** *Frontiers in neurology*
Tung, C. E., Su, D., Turakhia, M. P., Lansberg, M. G.
2014; 5: 266-?
- **Ferumoxytol enhanced resting state fMRI and relative cerebral blood volume mapping in normal human brain.** *NeuroImage*
D'Arceuil, H., Coimbra, A., Triano, P., Dougherty, M., Mello, J., Moseley, M., Glover, G., Lansberg, M., Blankenberg, F.
2013; 83: 200-209
- **Acute Stroke Imaging Research Roadmap II** *STROKE*
Wintermark, M., Albers, G. W., Broderick, J. P., Demchuk, A. M., Fiebach, J. B., Fiehler, J., Grotta, J. C., Houser, G., Jovin, T. G., Lees, K. R., Lev, M. H., Liebeskind, D. S., Luby, et al
2013; 44 (9): 2628-2639
- **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
- **Details of a prospective protocol for a collaborative meta-analysis of individual participant data from all randomized trials of intravenous rt-PA vs. control: statistical analysis plan for the Stroke Thrombolysis Trialists' Collaborative meta-analysis** *INTERNATIONAL JOURNAL OF STROKE*
Emberson, J., Lees, K. R., Howard, G., Bluhmki, E., Tilley, B., Albers, G., Baigent, C., Blackwell, L., Davis, S., Donnan, G., Grotta, J., Hacke, W., Kaste, et al
2013; 8 (4): 278-283
- **Interaction between time to treatment and reperfusion therapy in patients with acute ischemic stroke.** *Journal of neurointerventional surgery*
Lansberg, M. G., Dabus, G.
2013; 5: i48-51
- **Advanced imaging improves prediction of hemorrhage after stroke thrombolysis** *ANNALS OF NEUROLOGY*
Campbell, B. C., Christensen, S., Parsons, M. W., Churilov, L., Desmond, P. M., Barber, P. A., Butcher, K. S., Levi, C. R., De Silva, D. A., Lansberg, M. G., Mlynash, M., Olivot, J., Straka, et al
2013; 73 (4): 510-519
- **Advanced imaging improves prediction of hemorrhage after stroke thrombolysis.** *Annals of neurology*
Campbell, B. C., Christensen, S., Parsons, M. W., Churilov, L., Desmond, P. M., Barber, P. A., Butcher, K. S., Levi, C. R., De Silva, D. A., Lansberg, M. G., Mlynash, M., Olivot, J., Straka, et al
2013; 73 (4): 510-519
- **Early Diffusion-Weighted Imaging and Perfusion-Weighted Imaging Lesion Volumes Forecast Final Infarct Size in DEFUSE 2** *STROKE*
Wheeler, H. M., Mlynash, M., Inoue, M., Tipirneni, A., Liggins, J., Zaharchuk, G., Straka, M., Kemp, S., Bammer, R., Lansberg, M. G., Albers, G. W.
2013; 44 (3): 681-685
- **Selection of patients for intra-arterial therapy--authors' reply.** *Lancet neurology*
Lansberg, M. G., Albers, G. W.

2013; 12 (3): 225-226

● **The Effects of Alteplase 3 to 6 Hours After Stroke in the EPITHET-DEFUSE Combined Dataset Post Hoc Case-Control Study** *STROKE*

Ogata, T., Christensen, S., Nagakane, Y., Ma, H., Campbell, B. C., Churilov, L., Lansberg, M. G., Straka, M., De Silva, D. A., Mlynash, M., Bammer, R., Olivot, J., Desmond, et al
2013; 44 (1): 87-93

● **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

● **Patients With the Malignant Profile Within 3 Hours of Symptom Onset Have Very Poor Outcomes After Intravenous Tissue-Type Plasminogen Activator Therapy** *STROKE*

Inoue, M., Mlynash, M., Straka, M., Lansberg, M. G., Zaharchuk, G., Bammer, R., Albers, G. W.
2012; 43 (9): 2494-2496

● **Clinical Assessment of Standard and Generalized Autocalibrating Partially Parallel Acquisition Diffusion Imaging: Effects of Reduction Factor and Spatial Resolution** *AMERICAN JOURNAL OF NEURORADIOLOGY*

Andre, J. B., Zaharchuk, G., Fischbein, N. J., Augustin, M., Skare, S., Straka, M., Rosenberg, J., Lansberg, M. G., Kemp, S., Wijman, C. A., Albers, G. W., Schwartz, N. E., Bammer, et al
2012; 33 (7): 1337-1342

● **Automated Perfusion Imaging for the Evaluation of Transient Ischemic Attack** *STROKE*

Kleinman, J. T., Zaharchuk, G., Mlynash, M., Oggie, A. A., Straka, M., Lansberg, M. G., Schwartz, N. E., Kemp, S., Bammer, R., Albers, G. W., Olivot, J.
2012; 43 (6): 1556-1560

● **Antithrombotic and Thrombolytic Therapy for Ischemic Stroke** *Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines* *CHEST*

Lansberg, M. G., O'Donnell, M. J., Khatri, P., Lang, E. S., Nguyen-Huynh, M. N., Schwartz, N. E., Sonnenberg, F. A., Schulman, S., Vandvik, P. O., Spencer, F. A., Alonso-Coello, P., Guyatt, G. H., Akl, et al
2012; 141 (2): E601S-E636S

● **Approach to outcome measurement in the prevention of thrombosis in surgical and medical patients: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines.** *Chest*

Guyatt, G. H., Eikelboom, J. W., Gould, M. K., Garcia, D. A., Crowther, M., Murad, M. H., Kahn, S. R., Falck-Ytter, Y., Francis, C. W., Lansberg, M. G., Akl, E. A., Hirsh, J.
2012; 141 (2): e185S-94S

● **Primary and secondary prevention of cardiovascular disease: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines.** *Chest*

Vandvik, P. O., Lincoff, A. M., Gore, J. M., Guterman, D. D., Sonnenberg, F. A., Alonso-Coello, P., Akl, E. A., Lansberg, M. G., Guyatt, G. H., Spencer, F. A.
2012; 141 (2): e637S-68S

● **Antithrombotic Therapy in Peripheral Artery Disease** *Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines* *CHEST*

Alonso-Coello, P., Bellmunt, S., McGorrian, C., Anand, S. S., Guzman, R., Criqui, M. H., Akl, E. A., Vandvik, P. O., Lansberg, M. G., Guyatt, G. H., Spencer, F. A.
2012; 141 (2): E669S-E690S

● **Antithrombotic therapy in peripheral artery disease: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines.** *Chest*

Alonso-Coello, P., Bellmunt, S., McGorrian, C., Anand, S. S., Guzman, R., Criqui, M. H., Akl, E. A., Olav Vandvik, P., Lansberg, M. G., Guyatt, G. H., Spencer, F. A.
2012; 141 (2): e669S-90S

● **Approach to Outcome Measurement in the Prevention of Thrombosis in Surgical and Medical Patients** *Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines* *CHEST*

Guyatt, G. H., Eikelboom, J. W., Gould, M. K., Garcia, D. A., Crowther, M., Murad, M. H., Kahn, S. R., Falck-Ytter, Y., Francis, C. W., Lansberg, M. G., Akl, E. A., Hirsh, J.
2012; 141 (2): E185S-E194S

- **Primary and Secondary Prevention of Cardiovascular Disease Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines** *CHEST*
Vandvik, O., Lincoff, A. M., Gore, J. M., Guterman, D. D., Sonnenberg, F. A., Alonso-Coello, P., Akl, E. A., Lansberg, M. G., Guyatt, G. H., Spencer, F. A. 2012; 141 (2): E637S-E668S
- **Antithrombotic and thrombolytic therapy for ischemic stroke: Antithrombotic Therapy and Prevention of Thrombosis, 9th ed: American College of Chest Physicians Evidence-Based Clinical Practice Guidelines.** *Chest*
Lansberg, M. G., O'Donnell, M. J., Khatri, P., Lang, E. S., Nguyen-Huynh, M. N., Schwartz, N. E., Sonnenberg, F. A., Schulman, S., Vandvik, P. O., Spencer, F. A., Alonso-Coello, P., Guyatt, G. H., Akl, et al 2012; 141 (2): e601S-36S
- **Cost comparison between the atraumatic and cutting lumbar puncture needles** *NEUROLOGY*
Tung, C. E., So, Y. T., Lansberg, M. G.
2012; 78 (2): 109-113
- **The infarct core is well represented by the acute diffusion lesion: sustained reversal is infrequent** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Campbell, B. C., Purushotham, A., Christensen, S., Desmond, P. M., Nagakane, Y., Parsons, M. W., Lansberg, M. G., Mlynash, M., Straka, M., De Silva, D. A., Olivot, J., Bammer, R., Albers, et al 2012; 32 (1): 50-56
- **MRI guides diagnostic approach for ischaemic stroke** *JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY*
Kumar, M. A., Vangala, H., Tong, D. C., Campbell, D. M., Balgude, A., Eyngorn, I., Beraud, A. S., Olivot, J. M., Hsia, A. W., Bernstein, R. A., Wijman, C. A., Lansberg, M. G., Mlynash, et al 2011; 82 (11): 1201-1205
- **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
- **Cost-Effectiveness of Tissue-Type Plasminogen Activator in the 3-to 4.5-Hour Time Window for Acute Ischemic Stroke** *STROKE*
Tung, C. E., Win, S. S., Lansberg, M. G.
2011; 42 (8): 2257-2262
- **TWO ACES Transient Ischemic Attack Work-Up as Outpatient Assessment of Clinical Evaluation and Safety** *STROKE*
Olivot, J., Wolford, C., Castle, J., Mlynash, M., Schwartz, N. E., Lansberg, M. G., Kemp, S., Albers, G. W.
2011; 42 (7): 1839-1843
- **RAPID Automated Patient Selection for Reperfusion Therapy A Pooled Analysis of the Echoplanar Imaging Thrombolytic Evaluation Trial (EPITHET) and the Diffusion and Perfusion Imaging Evaluation for Understanding Stroke Evolution (DEFUSE) Study** *STROKE*
Lansberg, M. G., Lee, J., Christensen, S., Straka, M., De Silva, D. A., Mlynash, M., Campbell, B. C., Bammer, R., Olivot, J., Desmond, P., Davis, S. M., Donnan, G. A., Albers, et al 2011; 42 (6): 1608-1614
- **Meta-analysis of randomized intra-arterial thrombolytic trials for the treatment of acute stroke due to middle cerebral artery occlusion** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*
Fields, J. D., Khatri, P., Nesbit, G. M., Liu, K. C., Barnwell, S. L., Lutsep, H. L., Clark, W. M., Lansberg, M. G.
2011; 3 (2): 151-155
- **Refining the Definition of the Malignant Profile Insights From the DEFUSE-EPITHET Pooled Data Set** *STROKE*
Mlynash, M., Lansberg, M. G., De Silva, D. A., Lee, J., Christensen, S., Straka, M., Campbell, B. C., Bammer, R., Olivot, J., Desmond, P., Donnan, G. A., Davis, S. M., Albers, et al 2011; 42 (5): 1270-1275
- **The Acute Diffusion Lesion Reliably Represents Infarct Core: Clinically Relevant Reversibility Is Rare** *International Stroke Conference*
Campbell, B. C., Purushotham, A., Christensen, S., Desmond, P. M., Nagakane, Y., Parsons, M. W., Lansberg, M. G., Mlynash, M., Straka, M., De Silva, D. A., Olivot, J., Bammer, R., Albers, et al
LIPPINCOTT WILLIAMS & WILKINS.2011: E71-E71
- **TIA Clinic Triage Strategy Reduces the Cost of TIA Evaluation** *International Stroke Conference*

Mlynash, M., Castle, J., Olivot, J., Wolford, C., Schwartz, N. E., Lansberg, M. G., Edwards, G., Kemp, S., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2011: E250–E250

• **Worse Stroke Outcome In Atrial Fibrillation Links To More Severe Hypoperfusion** *International Stroke Conference*

Tu, H. T., Campbell, B. C., Christensen, S., De Silva, D. A., Parsons, M. W., Churilov, L., Olivot, J., Lansberg, M. G., Mlynash, M., Straka, M., Bammer, R., Albers, G. W., Desmond, et al
LIPPINCOTT WILLIAMS & WILKINS.2011: E119–E119

• **The Combination Of Reperfusion And Recanalization Predicts Favorable Outcome Better Than Reperfusion Or Recanalization Alone In Target Mismatch Patients** *International Stroke Conference*

Lee, J., Lansberg, M. G., Mlynash, M., De Silva, D. A., Christensen, S., Straka, M., Campbell, B. C., Bammer, R., Olivot, J., Desmond, P., Donnan, G. A., Davis, S. M., Albers, et al
LIPPINCOTT WILLIAMS & WILKINS.2011: E66–E67

• **Higher rCBV Values In The PWI/DWI Mismatch Area Predict Favorable Clinical Outcome In Acute Ischemic Stroke** *International Stroke Conference*

Lee, J., Lansberg, M. G., Mlynash, M., Straka, M., Bammer, R., Olivot, J., Kemp, S., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2011: E112–E112

• **Mri Based Tia Triage Study** *International Stroke Conference*

Wolford, C., Mlynash, M., Schwartz, N. E., Purushotham, A., Lansberg, M., Kemp, S., Albers, G. W., Olivot, J.
LIPPINCOTT WILLIAMS & WILKINS.2011: E210–E210

• **Postthrombolysis hemorrhage risk is affected by stroke assessment bias between hemispheres** *NEUROLOGY*

Audebert, H. J., Singer, O. C., Gotzler, B., Vatankhah, B., Boy, S., Fiehler, J., Lansberg, M. G., Albers, G. W., Kastrup, A., Rovira, A., Gass, A., Rosso, C., Derex, et al
2011; 76 (7): 629-636

• **A comparison of cooling techniques to treat cardiac arrest patients with hypothermia.** *Stroke research and treatment*

Finley Caulfield, A., Rachabattula, S., Eynorn, I., Hamilton, S. A., Kalimuthu, R., Hsia, A. W., Lansberg, M. G., Venkatasubramanian, C., BAUMANN, J. J., Buckwalter, M. S., Kumar, M. A., Castle, J. S., Wijman, et al
2011; 2011: 690506-?

• **Fluid-Attenuated Inversion Recovery Hyperintensity in Acute Ischemic Stroke May Not Predict Hemorrhagic Transformation** *CEREBROVASCULAR DISEASES*

Campbell, B. C., Costello, C., Christensen, S., Ebinger, M., Parsons, M. W., Desmond, P. M., Barber, P. A., Butcher, K. S., Levi, C. R., De Silva, D. A., Lansberg, M. G., Mlynash, M., Olivot, et al
2011; 32 (4): 401-405

• **Utility of the anesthetic test dose to avoid catastrophic injury during cervical transforaminal epidural injections** *SPINE JOURNAL*

Smuck, M., Maxwell, M. D., Kennedy, D., Rittenberg, J. D., Lansberg, M. G., Plastaras, C. T.
2010; 10 (10): 857-864

• **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

• **STROKE Taking stock-patient selection for acute stroke therapy** *NATURE REVIEWS NEUROLOGY*

Lansberg, M.
2010; 6 (7): 358-359

• **Outcome prediction in mechanically ventilated neurologic patients by junior neurointensivists** *NEUROLOGY*

Caulfield, A. F., GABLER, L., Lansberg, M. G., Eynorn, I., Mlynash, M., Buckwalter, M. S., Venkatasubramanian, C., Wijman, C. A.
2010; 74 (14): 1096-1101

• **Validation of the Malignant Profile in the DEFUSE-EPITHET Pooled Database** *International Stroke Conference*

Lee, J., Lansberg, M. G., Mlynash, M., De Silva, D. A., Christensen, S., Straka, M., Campbell, B. C., Bammer, R., Olivot, J., Donnan, G. A., Davis, S. M., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2010: E258–E258

• **Symptomatic Intracranial Hemorrhage Rates With IV tPA Treatment by Stroke Subtype** *International Stroke Conference*

- De Silva, D. A., Thomalla, G., Oppenheim, C., Albers, G. W., Lansberg, M. G., Kang, D., Hjort, N., Liebeskind, D. S., Hao, Q., Neumann-Haefelin, T., Singer, O. C., Nighoghossian, N., Derex, et al
LIPPINCOTT WILLIAMS & WILKINS.2010: E363–E363
- **Factors Predicting the Presence of Acute Ischemic Lesions on Diffusion Weighted in the Stanford TIA Study (Two Aces)** *International Stroke Conference*
Olivot, J. M., Wolford, C., Mlynash, M., Castle, J., Lansberg, M., Schwartz, N., Kemp, S., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2010: E273–E273
 - **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., Eyngorn, I., Fischbein, N., Gean, A., Schwartz, N., Lansberg, M., Mlynash, M., Kemp, S., Thai, et al
LIPPINCOTT WILLIAMS & WILKINS.2010: E210–E211
 - **Large and Severe Baseline PWI Volumes Predict Poor Response to Intravenous tPA vs. Placebo in the Pooled DEFUSE-EPITHET Database** *International Stroke Conference*
De Silva, D. A., Mlynash, M., Lansberg, M. G., Lee, J., Christensen, S., Straka, M., Campbell, B. C., Bammer, R., Olivot, J. M., Donnan, G. A., Davis, S. M., Albers, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2010: E208–E208
 - **DEFUSE and EPITHET: Two Different Studies With One Consistent Message** *International Stroke Conference*
Lansberg, M. G., Lee, J., Christensen, S., Straka, M., De Silva, D. A., Mlynash, M., Campbell, B. C., Bammer, R., Olivot, J., Davis, S. M., Donnan, G. A., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2010: E295–E295
 - **Optimal Perfusion Thresholds for Prediction of Tissue Destined for Infarction in the Combined EPITHET and DEFUSE Dataset** *International Stroke Conference*
Christensen, S., Campbell, B. C., de la Ossa, N. P., Lansberg, M., Straka, M., De Silva, D. A., Nagakane, Y., Ogata, T., Mlynash, M., Bammer, R., Olivot, J., Desmond, P., Albers, et al
LIPPINCOTT WILLIAMS & WILKINS.2010: E297–E297
 - **Optimal Definition of the Malignant Profile in the DEFUSE-EPITHET Pooled Database** *International Stroke Conference*
Mlynash, M., De Silva, D. A., Lansberg, M. G., Lee, J., Christensen, S., Straka, M., Campbell, B. C., Bammer, R., Olivot, J., Donnan, G. A., Davis, S. M., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2010: E207–E207
 - **Does Presence of Arterial Obstruction Influence the Treatment Effect of Intravenous tPA Over Placebo in the 3-6 Hour Time Window?** *International Stroke Conference*
De Silva, D. A., Churilov, L., Olivot, J. M., Christensen, S., Lansberg, M. G., Mlynash, M., Straka, M., Campbell, B. C., Bammer, R., Albers, G. W., Davis, S. M., Donnan, G. A.
LIPPINCOTT WILLIAMS & WILKINS.2010: E207–E208
 - **Favorable Outcome From A Locked-In State Despite Extensive Pontine Infarction By MRI** *NEUROCRITICAL CARE*
Samaniego, E. A., Lansberg, M. G., DeGeorgia, M., Venkatasubramanian, C., Wijman, C. A.
2009; 11 (3): 369-371
 - **Profiles of Neurological Outcome Prediction Among Intensivists** *NEUROCRITICAL CARE*
Racine, E., Dion, M., Wijman, C. A., Illes, J., Lansberg, M. G.
2009; 11 (3): 345-352
 - **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
 - **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
 - **Efficacy and Safety of Tissue Plasminogen Activator 3 to 4.5 Hours After Acute Ischemic Stroke A Metaanalysis** *STROKE*
Lansberg, M. G., Bluhmki, E., Thijs, V. N.

2009; 40 (7): 2438-2441

● **Treatment Time-Specific Number Needed to Treat Estimates for Tissue Plasminogen Activator Therapy in Acute Stroke Based on Shifts Over the Entire Range of the Modified Rankin Scale *STROKE***

Lansberg, M. G., Schroten, M., Bluhmki, E., Thijs, V. N., Saver, J. L.

2009; 40 (6): 2079-2084

● **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

● **SENSE Diffusion-weighted Imaging Improves Diagnostic Sensitivity in Acute Ischemic Stroke *American-Association-International-Stroke Conference 2009***

Schwartz, N. E., Newbould, R. D., Skare, S., Zaharchuk, G., Mlynash, M., Olivot, J., Lansberg, M. G., Eyngorn, I., Thai, D., Albers, G. W., Bammer, R.
LIPPINCOTT WILLIAMS & WILKINS.2009: E115-E115

● **Tissue Plasminogen Activator Does Not Benefit Most Eligible Patients With Stroke *ARCHIVES OF NEUROLOGY***

Lansberg, M. G., Schwartz, N. E.

2009; 66 (4): 540-541

● **Perfusion MRI (Tmax and MTT) correlation with xenon CT cerebral blood flow in stroke patients *NEUROLOGY***

Olivot, J., Mlynash, M., Zaharchuk, G., Straka, M., Bammer, R., Schwartz, N., Lansberg, M. G., Moseley, M. E., Albers, G. W.

2009; 72 (13): 1140-1145

● **Yield of combined perfusion and diffusion MR imaging in hemispheric TIA *NEUROLOGY***

Mlynash, M., Olivot, J., Tong, D. C., Lansberg, M. G., Eyngorn, I., Kemp, S., Moseley, M. E., Albers, G. W.

2009; 72 (13): 1127-1133

● **Cost-effectiveness analysis of mechanical thrombectomy in acute ischemic stroke Clinical article *JOURNAL OF NEUROSURGERY***

Patil, C. G., Long, E. F., Lansberg, M. G.

2009; 110 (3): 508-513

● **Optimal Tmax Threshold for Predicting Penumbra 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

● **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

● **Concurrent presentation of perimesencephalic subarachnoid hemorrhage and ischemic stroke. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association***

Lansberg, M. G.

2008; 17 (4): 248-250

● **Optimal outcome measures for detecting clinical benefits of early reperfusion: insights from the DEFUSE Study. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association***

Kakuda, W., Hamilton, S., Thijs, V. N., Lansberg, M. G., Kemp, S., Skalabrin, E., Albers, G. W.
2008; 17 (4): 235-240

● **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

● **MRI-based diagnostic evaluation has substantial impact on final stroke diagnosis** *33rd International Stroke Conference*

Kumar, M. A., Campbell, D. M., Vangala, H. L., Eynghorn, I., Olivot, J. M., Beraud, A. S., Belgude, A., Lansberg, M. G., Schnittger, I., Wijman, C. A., Tong, D. C., Mlynash, M., Albers, et al
LIPPINCOTT WILLIAMS & WILKINS.2008: 569-69

● **Delirium following abrupt discontinuation of fluoxetine** *CLINICAL NEUROLOGY AND NEUROSURGERY*

Blum, D., Maldonado, J., Meyer, E., Lansberg, M.
2008; 110 (1): 69-70

● **Risk for symptomatic intracerebral hemorrhage after thrombolysis assessed by diffusion-weighted magnetic resonance imaging** *ANNALS OF NEUROLOGY*

Singer, O. C., Humpich, M. C., Fiehler, J., Albers, G. W., Lansberg, M. G., Kastrup, A., Rovira, A., Liebeskind, D. S., Gass, A., Rosso, C., Derex, L., Kim, J. S., Neumann-Haefelin, et al
2008; 63 (1): 52-60

● **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

● **Evaluation of the clinical-diffusion and perfusion-diffusion mismatch models in DEFUSE** *STROKE*

Lansberg, M. G., Thijs, V. N., Hamilton, S., Schlaug, G., Bammer, R., Kemp, S., Albers, G. W.
2007; 38 (6): 1826-1830

● **Symptomatic intracerebral hemorrhage following thrombolytic therapy for acute ischemic stroke: A review of the risk factors** *CEREBROVASCULAR DISEASES*

Lansberg, M. G., Albers, G. W., Wijman, C. A.
2007; 24 (1): 1-10

● **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., Wechsler, 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

● **"Paradoxical" transtentorial herniation due to CSF drainage in the presence of a hemicraniectomy** *NEUROLOGY*

Fields, J. D., Lansberg, M. G., Skirboll, S. L., Kurien, P. A., Wijman, C. A.
2006; 67 (8): 1513-1514

● **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

● **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

● **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

- Who is most likely to benefit from tPA? The perfusion-diffusion and clinical-diffusion mismatch models disagree *30th International Stroke Conference*
Lansberg, M. G., Thijss, V. N., Bammer, R., Wechsler, L. R., O'Donnell, M. J., Olshen, R. A., Wijman, C. A., Kemp, S. M., Albers, G. W.
LIPPINCOTT WILLIAMS & WILKINS.2005: 437-37
- Evolution of apparent diffusion coefficient, diffusion-weighted, and T2-weighted signal intensity of acute stroke *AMERICAN JOURNAL OF NEURORADIOLOGY*
Lansberg, M. G., Thijss, V. N., O'Brien, M. W., Ali, J. O., de Crespigny, A. J., Tong, D. C., Moseley, M. E., Albers, G. W.
2001; 22 (4): 637-644
- Evolution of cerebral infarct volume assessed by diffusion-weighted magnetic resonance imaging *ARCHIVES OF NEUROLOGY*
Lansberg, M. G., O'Brien, M. W., Tong, D. C., Moseley, M. E., Albers, G. W.
2001; 58 (4): 613-617
- 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*
Thijss, V. N., Lansberg, M. G., Beaulieu, C., Marks, M. P., Moseley, M. E., Albers, G. W.
2000; 31 (11): 2597-2602
- 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
- MRI abnormalities associated with partial status epilepticus *NEUROLOGY*
Lansberg, M. G., O'Brien, M. W., Norbash, A. M., Moseley, M. E., Morrell, M., Albers, G. W.
1999; 52 (5): 1021-1027
- Intra-arterial rtPA treatment of stroke assessed by diffusion- and perfusion-weighted MRI *STROKE*
Lansberg, M. G., Tong, D. C., Norbash, A. M., Yenari, M. A., Moseley, M. E.
1999; 30 (3): 678-680
- Headache with neurological deficits and CSF lymphocytosis: A transient ischemic attack mimic. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Lansberg, M. G., Woolfenden, A. R., Norbash, A. M., Smith, D. B., Albers, G. W.
1999; 8 (1): 42-44
- Method for decreasing CT simulation time of complex phantoms and systems through separation of material specific projection data *SPIE Medical Imaging 2017: Physics of Medical Imaging*
Divel, S. E., Christensen, S., Wintermark, M., Lansberg, M. G., Pelc, N. J.
2017: 1013259