



Jeremy J. Heit, MD, PhD

Associate Professor of Radiology (Neuroimaging and Neurointervention) and, by courtesy, of Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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Bio

BIO

Dr. Jeremy Heit is an Associate Professor of Radiology and of Neurosurgery and the Chief of Neuroimaging and Neurointervention at Stanford University. Dr. Jeremy Heit is a neurointerventional surgeon (neurointerventional radiologist) who specializes in treating stroke, brain aneurysms, brain arteriovenous malformations, brain and spinal dural arteriovenous fistulae, carotid artery stenosis, vertebral body compression fractures, and congenital vascular malformations. Dr. Heit treats all of these conditions using minimally-invasive, image-guided procedures and state-of-the-art technology.

Dr. Heit's research seeks to understand the genetic, developmental, and pathophysiologic basis of cerebrovascular disease. In addition, his group is developing new minimally invasive, image-guided treatments for ischemic and hemorrhagic stroke. He has authored over 150 publications and is an investigator on multiple grants, including the CRISP 2 and DEFUSE 3 studies. He is the co-PI of the NIH-funded PRECISE basilar thrombectomy study.

For more information about Dr. Heit's research lab, please visit:

www.heitlab.com

CLINICAL FOCUS

- Interventional Neuroradiology
- Neurointerventional Surgery
- Neuroradiology
- Stroke
- Cerebral Aneurysms
- Dural Arteriovenous Fistula
- Cerebral Arteriovenous Malformation (AVM)
- Diagnostic Neuroimaging

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Radiology
- Associate Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Chief of Neuroimaging and Neurointervention, Stanford University Medical Center, (2022- present)
- Director, Stroke Neuroradiology, Stanford Stroke Center, Stanford University Hospital, (2021- present)
- Director, Neurointerventional Surgery Fellowship, Stanford University Medical Center, (2018- present)

HONORS AND AWARDS

- Valedictorian, Regis Jesuit High School, Aurora, CO (5/1996)
- Boettcher Foundation Scholar, Full Academic Scholarship to the University of Colorado at Boulder, Boettcher Foundation (8/1996 – 5/2000)
- Beta Kappa Honor Society, Phi Beta Kappa (4/1997 – present)
- Summa Cum Laude, Department of Biochemistry, University of Colorado at Boulder (5/2000)
- Graduation with Distinction in Molecular, Cellular and Developmental Biology, University of Colorado at Boulder (5/2000)
- Department of Biochemistry Outstanding Graduating Senior Award, University of Colorado at Boulder (5/2000)
- Medical Scientist dual MD/PhD Training Program, Stanford University School of Medicine (8/2000 – 6/2008)
- Chief Resident in Radiology, Massachusetts General Hospital, Boston, MA (3/2011 – 2/2012)
- Roentgen Resident/Fellow Research Award, RSNA Research and Education Foundation, Radiological Society of North America (5/2011)
- Alpha Omega Alpha Medical Honor Society, Alpha Omega Alpha Medical Honor Society, Stanford University Medical School Chapter (5/2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Research Committee, American Society of Neuroradiology (2012 - present)
- Scientific Program Committee, Neuroradiology/Head and Neck Subcommittee, Radiological Society of North America (2018 - present)

PROFESSIONAL EDUCATION

- Board Certification: Neuroradiology, American Board of Radiology (2018)
- Fellowship: Stanford University Radiology Fellowships (2015) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2013)
- Residency: Massachusetts General Hospital Radiology Residency (2013) MA
- Internship: Brigham and Women's Hospital Internal Medicine Residency (2009) MA
- Medical Education: Stanford University School of Medicine (2008) CA
- PhD, Stanford University Medical School , Developmental Biology (2007)
- BA, University of Colorado at Boulder , Biochemistry, Summa Cum Laude, and Molecular, Cellular, and Developmental Biology (2000)

LINKS

- Latest Advances in Stroke Treatment: <https://stanfordhealthcare.org/stanford-health-care-now/health-library-videos/latest-advances-stroke-treatment.html>
- Stanford Interventional Neuroradiology: <https://stanfordhealthcare.org/medical-clinics/interventional-neuroradiology-program.html>
- NBC Nightly News- New hope for stroke patients: <https://www.nbcnews.com/nightly-news/video/new-hope-for-stroke-patients-1145054787673>
- KPIX TV- Acute Stroke Therapy Trial Proves Successful In Palo Alto: <http://sanfrancisco.cbslocal.com/video/category/news/3798305-acute-stroke-therapy-trial-proves-successful-in-palo-alto/>

- Complete Publication List: <https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/50949141/?sort=date&direction=descending>
- Stroke Patient Story Facebook Live Interview: <https://www.facebook.com/LucyNoland/videos/1763443777071205/>
- How the stroke stopwatch was shattered: <https://www.youtube.com/watch?v=pkxzQMUTLGw>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our research seeks to advance our understanding of cerebrovascular disease and to develop new minimally invasive treatments for these diseases. We study ischemic and hemorrhagic stroke, cerebral aneurysms, delayed cerebral ischemia, cerebral arteriovenous malformations (AVMs), dural arteriovenous fistulae, and other vascular diseases of the brain. We use state-of-the-art neuroimaging techniques to non-invasively study these diseases, and we are developing future endovascular technologies to advance neurointerventional surgery.

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CLINICAL TRIALS

- Endovascular Therapy Following Imaging Evaluation for Ischemic Stroke 3, Not Recruiting
- PHIL in the Treatment of Intracranial dAVF., Not Recruiting
- Ruptured Aneurysms Treated With Hydrogel Coils, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Aroosa Zamarud, Henk van Voorst

Doctoral Dissertation Reader (NonAC)

Matine Azadian

Publications

PUBLICATIONS

- **Dual-Energy CTA Iodine Map Reconstructions Improve Visualization of Residual Cerebral Aneurysms following Endovascular Coiling.** *AJNR. American journal of neuroradiology*
Wolman, D. N., Kuraitis, G., Sussman, E., Pulli, B., Wouters, A., Wang, J., Wang, A., Lansberg, M. G., Heit, J. J.
2024
- **Pretreatment Predictors of Very Poor Clinical Outcomes in Medium Vessel Occlusion Stroke Patients Treated with Mechanical Thrombectomy.** *International journal of stroke : official journal of the International Stroke Society*
Yedavalli, V., Salim, H. A., Musmar, B., Adeeb, N., El Naamani, K., Henninger, N., Sundararajan, S. H., Kuhn, A., Khalife, J., Ghozy, S., Scarcia, L., Tan, B. Y., Heit, et al
2024: 17474930241270524
- **Simplifying venous outflow: Prolonged venous transit as a novel qualitative marker correlating with acute stroke outcomes.** *The neuroradiology journal*
Yedavalli, V. S., Lakhani, D. A., Koneru, M., Balar, A. B., Greene, C., Hoseinyazdi, M., Nabi, M., Lu, H., Xu, R., Luna, L., Caplan, J., Dmytriw, A. A., Guenego, et al
2024: 19714009241269475
- **Endovascular therapy versus best medical management in distal medium middle cerebral artery acute ischaemic stroke: a multinational multicentre propensity score-matched study.** *Journal of neurology, neurosurgery, and psychiatry*
Salim, H. A., Yedavalli, V., Musmar, B., Adeeb, N., El Naamani, K., Henninger, N., Sundararajan, S. H., Kuhn, A. L., Khalife, J., Ghozy, S., Scarcia, L., Tan, B. Y., Heit, et al

2024

- **Symptomatic intracerebral hemorrhage in proximal and distal medium middle cerebral artery occlusion patients treated with mechanical thrombectomy.** *Journal of neurointerventional surgery*
Yedavalli, V. S., Salim, H. A., Musmar, B., Adeeb, N., Essibayi, M. A., ElNaamani, K., Henninger, N., Sundararajan, S. H., Kuhn, A. L., Khalife, J., Ghozy, S., Scarcia, L., Tan, et al
2024
- **Neurological outcomes for patients meeting radiographic criteria for DEFUSE 3 and SELECT2.** *Journal of neurointerventional surgery*
Karamchandani, R. R., Satyanarayana, S., Yang, H., Strong, D., Rhoten, J., Clemente, J., Defilipp, G., Patel, N. M., Bernard, J., Stetler, W., Parish, J. M., Albers, G. W., Heit, et al
2024
- **Multicenter evaluation of mechanical thrombectomy for distal medium vessel occlusions with National Institute of Health Stroke Scale Scores#6 and#6.** *Journal of neurology*
Kuhn, A. L., Puri, A. S., Salim, H. A., Musmar, B., Ghozy, S., Siegler, J., Shaikh, H., Khalife, J., Abdalkader, M., Klein, P., Nguyen, T. N., Heit, J. J., Regenhardt, et al
2024
- **Overestimation of the Ischemic Core Is Associated With Higher Core Lesion Volume and Degree of Reperfusion After Thrombectomy.** *Radiology*
Broocks, G., Meyer, L., Winkelmeier, L., Kniep, H., Heitkamp, C., Christensen, S., Lansberg, M. G., Thaler, C., Kemmling, A., Schön, G., Zele#ák, K., Stracke, P. C., Albers, et al
2024; 312 (1): e231750
- **Advancing diagnostic precision of delayed cerebral ischemia in aneurysmal subarachnoid hemorrhage: The potential for a vasospasm index score on perfusion imaging to detect vasospasm.** *European journal of radiology*
Maria Bombardieri, A., Seners, P., Wouters, A., Zamarud, A., Mlynash, M., Yuen, N., Albers, G. W., Sussman, E. S., Pulli, B., Lansberg, M. G., Steinberg, G. K., Heit, J. J.
2024; 178: 111578
- **Predictors of Futile Recanalization in Ischemic Stroke Patients with low baseline NIHSS.** *International journal of stroke : official journal of the International Stroke Society*
Heitkamp, C., Heitkamp, A., Winkelmeier, L., Thaler, C., Flottmann, F., Schell, M., Kniep, H., Broocks, G., Heit, J. J., Albers, G. W., Thomalla, G., Fiehler, J., Faizy, et al
2024: 17474930241264737
- **Exploring the Limits of Endovascular Therapy for Large Core Patients: Where Do We Need More Data?** *Stroke*
Albers, G. W., Heit, J. J., Lansberg, M. G., Inoue, M., Huo, X., Yedavalli, V. S., Seners, P., McCullough-Hicks, M., Cereda, C. W., Tsai, J. P., Mistry, E. A., Chatterjee, A. R., Derdeyn, et al
2024
- **Lower admission stroke severity is associated with good collateral status in distal medium vessel occlusion stroke.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
Mei, J., Salim, H. A., Lakhani, D. A., Balar, A., Musmar, B., Adeeb, N., Hoseinyazdi, M., Luna, L., Deng, F., Hyson, N. Z., Dmytriw, A. A., Guenego, A., Faizy, et al
2024
- **Arterial Recanalization During Interhospital Transfer for Thrombectomy.** *Stroke*
Seners, P., Wouters, A., Ter Schiphorst, A., Yuen, N., Mlynash, M., Arquizan, C., Heit, J. J., Kemp, S., Christensen, S., Sablot, D., Wacongne, A., Lalu, T., Costalat, et al
2024
- **The Los Angeles motor scale (LAMS) is independently associated with CT perfusion collateral status markers.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Lakhani, D. A., Mehta, T. R., Balar, A. B., Koneru, M., Wen, S., Ozkara, B. B., Caplan, J., Dmytriw, A. A., Wang, R., Lu, H., Hoseinyazdi, M., Nabi, M., Mazumdar, et al
2024; 125: 32-37
- **Outcomes of mechanical thrombectomy in anticoagulated patients with acute distal and medium vessel stroke.** *European stroke journal*
Salim, H., Musmar, B., Adeeb, N., Yedavalli, V., Lakhani, D., Grewal, S. S., El Naamani, K., Henninger, N., Sundararajan, S. H., Kuhn, A. L., Khalife, J., Ghozy, S., Scarcia, et al
2024: 23969873241249295

- **Low Cerebral Blood Volume Index, Thrombectomy, and Prior Stroke Are Independently Associated With Hemorrhagic Transformation in Medium-Vessel Occlusion Ischemic Stroke** *STROKE-VASCULAR AND INTERVENTIONAL NEUROLOGY*
Yedavalli, V. S., Koneru, M., Hoseinyazdi, M., Marsh, E. B., Llinas, R. H., Urrutia, V., Leigh, R., Gonzalez, L., Xu, R., Caplan, J., Huang, J., Lu, H., Wintermark, et al
2024; 4 (3)
- **Outcomes with General Anesthesia Compared to Conscious Sedation for Endovascular Treatment of Medium Vessel Occlusions: Results of an International Multicentric Study.** *Clinical neuroradiology*
Radu, R. A., Costalat, V., Romoli, M., Musmar, B., Siegler, J. E., Ghozy, S., Khalife, J., Salim, H., Shaikh, H., Adeeb, N., Cuellar-Saenz, H. H., Thomas, A. J., Kadirvel, et al
2024
- **Focused update to guidelines for endovascular therapy for emergent large vessel occlusion: basilar artery occlusion patients.** *Journal of neurointerventional surgery*
Heit, J. J., Chaudhary, N., Mascitelli, J. R., Al-Kawaz, M., Baker, A., Bulsara, K. R., Burkhardt, J. K., Marden, F. A., Raper, D., Tjoumakaris, S. I., Schirmer, C. M., Hettis, S. W.
2024
- **CT Perfusion Derived rCBV < 42% Lesion Volume Is Independently Associated with Followup FLAIR Infarct Volume in Anterior Circulation Large Vessel Occlusion.** *Diagnostics (Basel, Switzerland)*
Lakhani, D. A., Balar, A. B., Salim, H., Koneru, M., Wen, S., Ozkara, B., Lu, H., Wang, R., Hoseinyazdi, M., Xu, R., Nabi, M., Mazumdar, I., Cho, et al
2024; 14 (8)
- **Multicenter US clinical experience with the Scepter Mini balloon catheter.** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
Salem, M. M., Kelmer, P., Sioutas, G. S., Ostmeier, S., Hoang, A., Cortez, G., El Naamani, K., Abbas, R., Hanel, R., Tanweer, O., Srinivasan, V. M., Jabbour, P., Kan, et al
2024: 15910199241246135
- **Percutaneous Disc Biopsy versus Bone Biopsy for the Identification of Infectious Agents in Osteomyelitis/Discitis.** *Journal of vascular and interventional radiology : JVIR*
Zamarud, A., Kesten, J., Park, D. J., Pulli, B., Telischak, N. A., Dodd, R. L., Do, H. M., Marks, M. P., Heit, J. J.
2024
- **Clinical Change During Inter-Hospital Transfer For Thrombectomy: Incidence, Associated Factors and Relationship With Outcome.** *International journal of stroke : official journal of the International Stroke Society*
Seners, P., Ter Schiphorst, A., Wouters, A., Yuen, N., Mlynash, M., Arquizan, C., Heit, J. J., Kemp, S., Christensen, S., Sablot, D., Wacongne, A., Lalu, T., Costalat, et al
2024: 17474930241246952
- **CT perfusion based rCBF <38% volume is independently and negatively associated with digital subtraction angiography collateral score in anterior circulation large vessel occlusions.** *The neuroradiology journal*
Lakhani, D. A., Balar, A. B., Koneru, M., Wen, S., Ozkara, B. B., Wang, R., Hoseinyazdi, M., Nabi, M., Mazumdar, I., Cho, A., Chen, K., Sepehri, S., Hyson, et al
2024: 19714009241242639
- **Cerebral Venous Outflow in Acute Ischemic Stroke Patients - Out Through the Middle!** *Academic radiology*
Faizy, T. D., Heit, J. J.
2024
- **Follow-up infarct volume on fluid attenuated inversion recovery (FLAIR) imaging in distal medium vessel occlusions: the role of cerebral blood volume index.** *Journal of neurology*
Salim, H., Lakhani, D. A., Balar, A., Musmar, B., Adeeb, N., Hoseinyazdi, M., Luna, L., Deng, F., Hyson, N. Z., Mei, J., Dmytriw, A. A., Guenego, A., Faizy, et al
2024
- **Prolonged venous transit on perfusion imaging is associated with higher odds of mortality in successfully reperfused patients with large vessel occlusion stroke.** *Journal of neurointerventional surgery*
Yedavalli, V. S., Koneru, M., Hoseinyazdi, M., Greene, C., Lakhani, D. A., Xu, R., Luna, L. P., Caplan, J. M., Dmytriw, A. A., Guenego, A., Heit, J. J., Albers, G. W., Wintermark, et al
2024
- **The Relative Cerebral Blood Volume (rCBV) < 42% Is Independently Associated with Collateral Status in Anterior Circulation Large Vessel Occlusion.** *Journal of clinical medicine*

- Lakhani, D. A., Balar, A. B., Koneru, M., Wen, S., Ozkara, B. B., Lu, H., Wang, R., Hoseinyazdi, M., Mei, J., Xu, R., Nabi, M., Mazumdar, I., Cho, et al
2024; 13 (6)
- **Incidence and clinical outcomes of perforations during mechanical thrombectomy for medium vessel occlusion in acute ischemic stroke: A retrospective, multicenter, and multinational study.** *European stroke journal*
Dmytriw, A. A., Musmar, B., Salim, H., Ghozy, S., Siegler, J. E., Kobeissi, H., Shaikh, H., Khalife, J., Abdalkader, M., Klein, P., Nguyen, T. N., Heit, J. J., Regenhardt, et al
2024: 23969873231219412
 - **Factors Affecting Selection of Trainee for Neurointervention (FASTEN).** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
Elfil, M., Morsi, R. Z., Ghozy, S., Elmashad, A., Siddiqui, A., Al-Bayati, A. R., Alaraj, A., Brook, A., Kam, A. W., Chatterjee, A. R., Patsalides, A., Waldau, B., Prestigiacomo, et al
2024: 15910199241232726
 - **Treatment of Cerebral Vasospasm Following Aneurysmal Subarachnoid Hemorrhage using the Neurospeed Semi-compliant Balloon.** *Clinical neuroradiology*
Guenego, A., Heit, J. J., Bonnet, T., Elens, S., Sadeghi, N., Ligot, N., Mine, B., Lolli, V., Tannouri, F., Taccone, F. S., Lubicz, B., SAVEBRAIN Consortium
2024
 - **Use of the pRESET LITE thrombectomy device in combined approach for medium vessel occlusions: A multicenter evaluation.** *Neuroradiology*
Wang, M., Henkes, H., Ghozy, S., Siegler, J. E., Shaikh, H., Khalife, J., Abdalkader, M., Klein, P., Nguyen, T. N., Heit, J. J., Sweid, A., Naamani, K. E., Regenhardt, et al
2024
 - **A Clinical and Imaging Fused Deep Learning Model Matches Expert Clinician Prediction of 90-Day Stroke Outcomes.** *AJNR. American journal of neuroradiology*
Liu, Y., Shah, P., Yu, Y., Horsey, J., Ouyang, J., Jiang, B., Yang, G., Heit, J. J., McCullough-Hicks, M. E., Hugdal, S. M., Wintermark, M., Michel, P., Liebeskind, et al
2024
 - **Association between occlusion location, net water uptake and ischemic lesion growth in large vessel anterior circulation strokes.** *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*
Winkelmeier, L., Heit, J. J., Broocks, G., Prüter, J., Heitkamp, C., Schell, M., Albers, G. W., Lansberg, M. G., Wintermark, M., Kemmling, A., Stracke, C. P., Guenego, A., Paech, et al
2024: 271678X241232193
 - **Random expert sampling for deep learning segmentation of acute ischemic stroke on non-contrast CT.** *Journal of neurointerventional surgery*
Ostmeier, S., Axelrod, B., Liu, Y., Yu, Y., Jiang, B., Yuen, N., Pulli, B., Verhaaren, B. F., Kaka, H., Wintermark, M., Michel, P., Mahammedi, A., Federau, et al
2024
 - **Perfusion Profiles May Differ Between Asymptomatic Versus Symptomatic Internal Carotid Artery Occlusion.** *Journal of stroke*
Chang, T. Y., Christensen, S., Mlynash, M., Heit, J. J., Marks, M. P., Lee, S., McCullough-Hicks, M. E., Ostojic, L. V., Kemp, S., Albers, G. W., Srivatsan, A., Lee, T. H., Lansberg, et al
2024; 26 (1): 108-111
 - **Robust Collaterals Are Independently Associated With Excellent Recanalization in Patients With Large Vessel Occlusion Causing Acute Ischemic Stroke** *STROKE-VASCULAR AND INTERVENTIONAL NEUROLOGY*
Yedavalli, V., Koneru, M., Hoseinyazdi, M., Greene, C., Copeland, K., Xu, R., Luna, L., Caplan, J., Dmytriw, A., Guenego, A., Heit, J., Albers, G., Wintermark, et al
2024; 4 (1)
 - **Pretreatment CTP Collateral Parameters Predict Good Outcomes in Successfully Recanalized Middle Cerebral Artery Distal Medium Vessel Occlusions.** *Clinical neuroradiology*
Yedavalli, V., Koneru, M., Hamam, O., Hoseinyazdi, M., Marsh, E. B., Llinas, R., Urrutia, V., Leigh, R., Gonzalez, F., Xu, R., Caplan, J., Huang, J., Lu, et al
2023
 - **RAPID aneurysm accurately measures aneurysm size on CT angiography compared to three-dimensional digital subtraction angiography.** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
Snyder, S. J., Gauden, A., Copeland, K., Spiotta, A. M., Heit, J. J.
2023: 15910199231222676

- **Redefining CT perfusion-based ischemic core estimates for the ghost core in early time window stroke.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
Koneru, M., Hoseinyazdi, M., Lakhani, D. A., Greene, C., Copeland, K., Wang, R., Xu, R., Luna, L., Caplan, J. M., Dmytriw, A. A., Guenego, A., Heit, J. J., Albers, et al
2023
- **Pretreatment parameters associated with hemorrhagic transformation among successfully recanalized medium vessel occlusions.** *Journal of neurology*
Koneru, M., Hoseinyazdi, M., Wang, R., Ozkara, B. B., Hyson, N. Z., Marsh, E. B., Llinas, R. H., Urrutia, V. C., Leigh, R., Gonzalez, L. F., Xu, R., Caplan, J. M., Huang, et al
2023
- **Early neurological deterioration in patients with acute ischemic stroke is linked to unfavorable cerebral venous outflow.** *European stroke journal*
Heitkamp, C., Winkelmeier, L., Heit, J. J., Albers, G. W., Lansberg, M. G., Kniep, H., Broocks, G., Stracke, C. P., Schell, M., Guenego, A., Paech, D., Wintermark, M., Fiehler, et al
2023: 23969873231208277
- **Pretreatment CT perfusion collateral parameters correlate with penumbra salvage in middle cerebral artery occlusion.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
Lakhani, D. A., Balar, A. B., Koneru, M., Hoseinyazdi, M., Hyson, N., Cho, A., Greene, C., Xu, R., Luna, L., Caplan, J., Dmytriw, A., Guenego, A., Wintermark, et al
2023
- **Excellent Recanalization and Small Core Volumes Are Associated With Favorable AM-PAC Score in Patients With Acute Ischemic Stroke Secondary to Large Vessel Occlusion.** *Archives of rehabilitation research and clinical translation*
Yedavalli, V., Koneru, M., Hoseinyazdi, M., Copeland, K., Xu, R., Luna, L., Caplan, J., Dmytriw, A., Guenego, A., Heit, J., Albers, G., Wintermark, M., Gonzalez, et al
2023; 5 (4): 100306
- **The Compensation Index Is Better Associated with DSA ASITN Collateral Score Compared to the Cerebral Blood Volume Index and Hypoperfusion Intensity Ratio.** *Journal of clinical medicine*
Lakhani, D. A., Balar, A. B., Koneru, M., Wen, S., Hoseinyazdi, M., Greene, C., Xu, R., Luna, L., Caplan, J., Dmytriw, A. A., Guenego, A., Wintermark, M., Gonzalez, et al
2023; 12 (23)
- **Performance of RAPID noncontrast CT stroke platform in large vessel occlusion and intracranial hemorrhage detection.** *Frontiers in neurology*
Yedavalli, V., Heit, J. J., Dehkharghani, S., Haerian, H., Mcmenamy, J., Honce, J., Timpone, V. M., Harnain, C., Kesselman, A., Filly, A., Beardsley, A., Sakamoto, B., Song, et al
2023; 14: 1324088
- **Priorities for Advancements in Neuroimaging in the Diagnostic Workup of Acute Stroke.** *Stroke*
Samaniago, E. A., Boltze, J., Lyden, P. D., Hill, M. D., Campbell, B. C., Silva, G. S., Sheth, K. N., Fisher, M., Hillis, A. E., Nguyen, T. N., Carone, D., Favilla, C. G., Deljkich, et al
2023
- **Brain edema growth after thrombectomy is associated with comprehensive collateral blood flow.** *Journal of neurointerventional surgery*
Faizy, T. D., Winkelmeier, L., Mlynash, M., Broocks, G., Heitkamp, C., Thaler, C., van Horn, N., Seners, P., Kniep, H., Stracke, P., Zelenak, K., Lansberg, M. G., Albers, et al
2023
- **Aspiration Versus Stent-Retriever as First-Line Endovascular Therapy Technique for Primary Medium and Distal Intracranial Occlusions: A Propensity-Score Matched Multicenter Analysis** *STROKE-VASCULAR AND INTERVENTIONAL NEUROLOGY*
Siegler, J. E., Shaikh, H., Khalife, J., Oak, S., Zhang, L., Abdalkader, M., Klein, P., Nguyen, T. N., Kass-Hout, T., Morsi, R. Z., Heit, J. J., Regenhardt, R. W., Diestro, et al
2023; 3 (6)
- **Semiautomated Detection of Early Infarct Signs on Noncontrast CT Improves Interrater Agreement.** *Stroke*
Christensen, S., Demeestere, J., Verhaaren, B. F., Heit, J. J., Von Stein, E. L., Madill, E. S., Kennedy Loube, D., Dugue, R., Rengarajan, S., Mlynash, M., Albers, G. W., Lemmens, R., Lansberg, et al
2023
- **First pass effect as an independent predictor of functional outcomes in medium vessel occlusions: An analysis of an international multicenter study.** *European stroke journal*

- Radu, R. A., Costalat, V., Fahed, R., Ghozy, S., Siegler, J. E., Shaikh, H., Khalife, J., Abdalkader, M., Klein, P., Nguyen, T. N., Heit, J. J., Sweid, A., El Naamani, et al
2023: 23969873231208276
- **Decreasing false-positive detection of intracranial hemorrhage (ICH) using RAPID ICH 3.** *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*
Sreekrishnan, A., Giurgiutiu, D., Kitamura, F., Martinelli, C., Abdala, N., Haerian, H., Dehkharghani, S., Kwok, K., Yedavalli, V., Heit, J. J.
2023; 32 (12): 107396
 - **Factors Associated With Fast Early Infarct Growth in Patients With Acute Ischemic Stroke With A Large Vessel Occlusion.** *Neurology*
Seners, P., Yuen, N., Olivot, J. M., Mlynash, M., Heit, J. J., Christensen, S., Escribano Paredes, J. B., Carrera, E., Strambo, D., Michel, P., Salerno, A., Wintermark, M., Chen, et al
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