

Stanford



Seena Dehkharghani MD FAHA

Clinical Professor, Radiology

CLINICAL OFFICE (PRIMARY)

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CLINICAL FOCUS

- Diagnostic Neuroimaging

ACADEMIC APPOINTMENTS

- Clinical Professor, Radiology
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Medical Education: University of Missouri Kansas City School of Medicine (2002) MO
- Board Certification: Neuroradiology, American Board of Radiology (2010)
- Fellowship: Stanford University Neuroradiology Fellowship (2009) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (2008)
- Residency: St Joseph's Medical Center (2008) AZ
- Internship: Good Samaritan Regional Medical Center (2003) AZ

Publications

PUBLICATIONS

- **Automated In-line Normalization Procedure for BOLD-CVR Using the Resting-State Temporal Shift with Machine Learning.** *AJNR. American journal of neuroradiology*
Zhu, Y., Dogra, S., Wang, X., Polimeni, J. R., Dehkharghani, S.
2026
- **Perfusion Imaging Changes in Cerebral Venous Sinus Thrombosis Associated with Hemorrhage**
Sim, J., Ter Schiphorst, A., Lansberg, M., Dehkharghani, S., Heit, J., Albers, G.
LIPPINCOTT WILLIAMS & WILKINS.2026

- **Aggregate Multi-tiered Normalization to Enhance Detection of Impairment in Dynamic BOLD-CVR for Assessment of Hemodynamic Impairment**
Zhu, Y., Wang, X., Dogra, S., Voorst, H., Heylen, E., Konduri, P. R., Schiphorst, A., Heit, J., Lansberg, M., Albers, G., Dehkharghani, S.
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Predicting infarct location and stroke severity from symptoms using language models: towards the next generation of vision models in acute stroke**
Canals, P., Van Voorst, H., Gonzalez, J., Rodrigo-Gisbert, M., Mayol, J., Albers, G., Lansberg, M., Dehkharghani, S., Ribo, M., Heit, J.
LIPPINCOTT WILLIAMS & WILKINS.2026
- **Multi-modal proton and sodium MRI for outcome prediction in mild traumatic brain injury.** *Journal of neurology*
Chen, A. M., Gerhalter, T., Ma, Z., Gajdošik, M., Dehkharghani, S., Peralta, R., Gajdošik, M., Sheriff, S., Ahn, S., Li, X., Goldberg, J. D., Bushnik, T., Zarate, et al
2025; 272 (9): 569
- **Visualization and Assessment of the Venous Plexus of Rektorzik on Ultrahigh Resolution Vessel Wall MRI.** *Journal of magnetic resonance imaging : JMRI*
Dogra, S., Raz, E., Dehkharghani, S.
2025
- **Using Data-Driven Methods to Improve Brain Blood Flow Measurements in Cerebrovascular Disease with Dynamic Imaging.** *AJNR. American journal of neuroradiology*
Dogra, S., Wang, X., Gee, J. M., Zhu, Y., Ishida, K., Dehkharghani, S.
2025
- **An experimental system for detection and localization of hemorrhage using ultra-wideband microwaves with deep learning** *COMMUNICATIONS ENGINEERING*
Hedayati, E., Safari, F., Verghese, G., Ciancia, V. R., Sodickson, D. K., Dehkharghani, S., Alon, L.
2024; 3 (1): 126
- **Correspondence on: 'Viz LVO versus Rapid LVO in detection of large vessel occlusion on CT angiography for acute stroke' by Delora <i>et al</i>** *JOURNAL OF NEUROINTERVENTIONAL SURGERY*
Yedavalli, V. S., Dehkharghani, S., Clemente, J.
2025; 17 (3): 334
- **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
- **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
- **Imaging Factors Associated With Poor Outcome in Patients With Basilar Artery Occlusion Treated With Endovascular Thrombectomy** *STROKE-VASCULAR AND INTERVENTIONAL NEUROLOGY*
Heit, J. J., Mlynash, M., Cereda, C. W., Yuen, N., Lansberg, M. G., Bianco, G., Christensen, S., Qureshi, A. Y., Hinduja, A., Dehkharghani, S., Goldman-Yassen, A. E., Hsieh, K., Giurgiutiu, et al
2023; 3 (3)
- **Imaging Factors Associated With Poor Outcome in Patients With Basilar Artery Occlusion Treated With Endovascular Thrombectomy.** *Stroke (Hoboken, N.J.)*
Heit, J. J., Mlynash, M., Cereda, C. W., Yuen, N., Lansberg, M. G., Bianco, G., Christensen, S., Qureshi, A. Y., Hinduja, A., Dehkharghani, S., Goldman-Yassen, A. E., Hsieh, K. L., Giurgiutiu, et al
2023; 3 (3): e000767
- **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

- **Perfusion Imaging Predicts Favorable Outcomes after Basilar Artery Thrombectomy.** *Annals of neurology*
Cereda, C. W., Bianco, G., Mlynash, M., Yuen, N., Qureshi, A. Y., Hinduja, A., Dehkharghani, S., Goldman-Yassen, A. E., Hsieh, K. L., Giurgiutiu, D., Gibson, D., Carrera, E., Alemseged, et al
2021
- **Penumbra Consumption Rates Based on Time-to-Maximum Delay and Reperfusion Status: A Post Hoc Analysis of the DEFUSE 3 Trial.** *Stroke*
Yaghi, 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
- **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., Dehkharghani, S., Christensen, S., Lansberg, M., Yaghi, S., de Havenon, A.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Global decrease in brain sodium concentration after mild traumatic brain injury** *BRAIN COMMUNICATIONS*
Gerhalter, T., Chen, A. M., Dehkharghani, S., Peralta, R., Adlparvar, F., Babb, J. S., Bushnik, T., Silver, J. M., Im, B. S., Wall, S. P., Brown, R., Baete, S. H., Kirov, et al
2021; 3 (2): fcab051
- **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., Dehkharghani, 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.**
Dehkharghani, 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., Dehkharghani, 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
- **High-Performance Automated Anterior Circulation CT Angiographic Clot Detection in Acute Stroke: A Multireader Comparison.** *Radiology*
Dehkharghani, 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
- **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
- **Fast Automatic Detection of Large Vessel Occlusions on CT Angiography.** *Stroke*
Amukotuwa, S. A., Straka, M., Dehkharghani, S., Bammer, R.
2019: STROKEAHA119027076
- **Automated Detection of Intracranial Large Vessel Occlusions on Computed Tomography Angiography.** *Stroke*
Amukotuwa, S. A., Straka, M., Smith, H., Chandra, R. V., Dehkharghani, S., Fischbein, N. J., Bammer, R.
2019: STROKEAHA119026259
- **CT Perfusion to Predict Response to Recanalization in Ischemic Stroke.** *Annals of neurology*
Lansberg, M. G., Christensen, S., Kemp, S., Mlynash, M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Nogueira, R. G., Jovin, T., Devlin, T. G., Akhtar, N., Yavagal, et al
2017

- **Associations Between CTP Ischemic Core Volume, ASPECTS Scores and Clinical Outcomes After Endovascular Reperfusion**
Marks, M. P., Christensen, S., Tsai, J. P., Mlynash, M., Kemp, S., Mishra, N., Federau, C., Kim, S., Haussen, D. C., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Severe CT Perfusion Bolus Delays Predict Infarct Growth Despite Reperfusion**
Christensen, S., Tsai, J., Kemp, S., Mishra, N., Kim, S., Mlynash, M., Federau, C., Bammer, R., Frankel, M., Dehkharghani, S., Devlin, T., Yavagal, D., Straka, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Arterial Occlusive Lesion Location Does Not Impact Functional Outcome in Patients with Endovascular Reperfusion**
Kim, S., Christensen, S., Mlynash, M., Tsai, J. P., Federau, C., Kemp, S. M., Mishra, N., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Tudor, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **The Malignant CTP Imaging Profile Predicts Worse Functional Outcomes**
Mlynash, M., Christensen, S., Kemp, S. M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Jovin, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Main Results of the CTP to Predict Response to Recanalization in Ischemic Stroke Project (CRISP)**
Lansberg, M. G., Christensen, S., Kemp, S., Mlynash, M., Mishra, N., Federau, C., Tsai, J. P., Kim, S., Haussen, D. C., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, et al
LIPPINCOTT WILLIAMS & WILKINS.2016
- **Patient Selection is a Better Predictor of Good Outcome Than Time to Reperfusion in Acute Ischemic Stroke.**
Tsai, J. P., Mlynash, M., Christensen, S., Kemp, S., Mishra, N., Federau, C., Kim, S., Frankel, M., Dehkharghani, S., Devlin, T. G., Yavagal, D. R., Akhtar, N., Jovin, et al
LIPPINCOTT WILLIAMS & WILKINS.2016