Stanford



Nicholas Telischak, MD, MS

- Clinical Associate Professor, Radiology
- Clinical Associate Professor (By courtesy), Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Center for Academic Medicine Department of Radiology**

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Bio

BIO

A native of the Bay Area, Dr. Nick Telischak is a dual fellowship-trained neurointerventional surgeon and neuroradiologist at Stanford Health Care. With board certifications in radiology and neuroradiology, he serves as a clinical associate professor in the Department of Radiology, and, by courtesy of the Department of Neurosurgery, at Stanford School of Medicine.

Dr. Telischak specializes in diagnosing and treating artery disorders in the brain and spine, including brain aneurysms, arteriovenous malformations (AVM), and dural arteriovenous fistula (dAVF), and stroke. Dr. Telischak also specializes in venous disorders in the brain including idiopathic intracranial hypertension (IIH). He also has a special interest in pulsatile tinnitus, a whooshing sound in the ears that occurs in rhythm with the heartbeat. Dr. Telischak also treats painful spinal (vertebral) fractures, spinal metastases (tumors resulting from cancer elsewhere in the body), and congenital vascular malformations (blood vessel abnormalities that are present at birth). He treats these conditions using minimally invasive, image-guided procedures and state-of-the-art technology.

Prior to joining Stanford Health Care, Dr. Telischak helped develop the Stroke Program at California Pacific Medical Center and Mills-Peninsula Medical Center, giving him a broad perspective on medical care systems within the Bay Area.

Dr. Telischak's research focuses on:

• Identifying biomarkers to diagnose large vessel occlusion stroke (stroke in one of the large arteries in the brain)

• Noninvasive MRI techniques for diagnosing idiopathic intracranial hypertension (high pressure within the skull)

He is also the principal investigator for a study examining the efficacy of vertebroplasty and kyphoplasty for the treatment of painful vertebral compression fractures.

In addition, Dr. Telischak holds a master's degree in bioengineering. He has worked with several companies pioneering new devices to treat brain aneurysms, vascular malformations, and strokes caused by blood clots, as well as new treatments for venous disorders in the brain caused by idiopathic intracranial hypertension.

Dr. Telischak has published more than 20 peer-reviewed articles and has been invited to present locally, nationally, and internationally at meetings for the Society of NeuroInterventional Surgery, American Society of Neuroradiology, and Jornada de Stroke in Asuncion, Paraguay, where he has served as visiting faculty.

CLINICAL FOCUS

- Interventional Neuroradiology
- Neurointerventional Surgery
- Diagnostic Neuroradiology
- Stroke
- Brain Aneurysm
- Dural Arteriovenous Fistula (dAVF)
- Brain Arteriovenous Malformation (AVM)
- Moya Moya Disease
- Spinal Compression Fracture
- Minimally invasive back pain management
- Neuroradiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Radiology
- Clinical Associate Professor (By courtesy), Neurosurgery

ADMINISTRATIVE APPOINTMENTS

- Neurointerventional Research Director, California Pacific Medical Center, (2016-2019)

PROFESSIONAL EDUCATION

- Medical Education: Dartmouth Geisel School of Medicine (2008) NH
- Board Certification: Diagnostic Radiology, American Board of Radiology (2013)
- Board Certification: Neuroradiology, American Board of Radiology (2021)
- Fellowship: Stanford University Radiology Fellowships (2016) CA
- Fellowship: Stanford University Radiology Fellowships (2014) CA
- Residency: Beth Israel Deaconess Medical Center Radiology Residency (2013) MA
- Residency: Stanford University Radiology Residency (2010) CA
- Internship: Mary Hitchcock Memorial Hospital (2009) NH

PATENTS

- Nick Telischak. "United States Patent 7996068 Surgical method and apparatus for identification of fluorescence", Aug 9, 2011

Publications

PUBLICATIONS

- **Surgical management of ventral epidural cerebrospinal fluid leak: a scoping review and illustrative case.** *European spine journal : official publication of the European Spine Society, the European Spinal Deformity Society, and the European Section of the Cervical Spine Research Society*
  Pant, A., Yoo, K., Hani, U., Schonfeld, E., Park, L., Telischak, N., Veeravagu, A.
  2026

- **Artificial Intelligence Outperforms Radiologists in Detecting Aneurysm Growth**
  Snyder, S., Rhodes, S., Iv, M., Pulli, B., Telischak, N., Do, H., Dodd, R., Heit, J.
  LIPPINCOTT WILLIAMS & WILKINS.2026

- **Tenzingplasty for cerebral vasospasm following subarachnoid hemorrhage or meningitis: multicenter initial experience.** *Journal of neurointerventional surgery*
  Alexander, M. D., Mehta, N., Behzadi, F., Kim, W., Kim, J., Telischak, N. A., Khangura, R., Varjavand, B., Chaudhry, T., Settecase, F., English, J.
  2025

- **Commentary on the River Stent Trial: Venous Sinus Stenting is Safe and Effective and can be Fully Evaluated Using Noninvasive Methods.** *Journal of neurointerventional surgery*
  Amans, M. R., Levitt, M., Hirsch, J. A., Mocco, J., Fiorella, D., Altschul, D., Altschul, D., Chen, M., De Leacy, R. A., Arthur, A. S., Narsinh, K. H., Brinjikji, W., Milburn, et al
  2025

- **Venous Sinus Stenting Using a Ledge-Reducing Catheter, 0.088-in. Catheter-Extender With an External Single Point of Control: Technique and Multicenter Clinical Experience** *STROKE-VASCULAR AND INTERVENTIONAL NEUROLOGY*
  Goren, O., Settecase, F., Luh, G., Kass-Hout, T., Morsi, R., Martin, C. O., Almekkawi, A. K., Telischak, N. A., Alexander, M. D., Abraham, M. G., Lingam, S., Grandhi, R., Hussain, et al
  2025; 5 (2)

- **Venous Sinus Stenting Using a Ledge-Reducing Catheter, 0.088-in. Catheter-Extender With an External Single Point of Control: Technique and Multicenter Clinical Experience.** *Stroke (Hoboken, N.J.)*
  Goren, O., Settecase, F., Luh, G., Kass-Hout, T., Morsi, R., Martin, C. O., Almekkawi, A. K., Telischak, N. A., Alexander, M. D., Abraham, M. G., Lingam, S., Grandhi, R., Hussain, et al
  2025; 5 (2): e001627

- **Beyond theAJR: Investigating the Limits of Mechanical Thrombectomy for Stroke.** *AJR. American journal of roentgenology*
  Telischak, N. A.
  2024

- **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

- **Matched-pair analysis of patients with ischemic stroke undergoing thrombectomy using next-generation balloon guide catheters.** *Journal of neurointerventional surgery*
  Kim, L. H., Choi, J., Zhou, J., Wolman, D., Pendharkar, A. V., Lansberg, M. G., Albers, G. W., Dodd, R., Do, H. M., Pulli, B., Heit, J. J., Telischak, N. A.
  2023

- **A matched-pair case control study identifying hemodynamic predictors of cerebral aneurysm growth using computational fluid dynamics.** *Frontiers in physiology*
  Weiss, A. J., Panduro, A. O., Schwarz, E. L., Sexton, Z. A., Lan, I. S., Geisbush, T. R., Marsden, A. L., Telischak, N. A.
  2023; 14: 1300754

- **A case of recurrent aneurysm resulting from dual antiplatelet plus anticoagulation after confirmed aneurysm closure following coil-assisted flow diversion.** *Radiology case reports*
  Geisbush, T. R., Pulli, B., Wolman, D. N., Pendharkar, A. V., Telischak, N. A.
  2022; 17 (11): 4075-4078

- **Comparison of embolization strategies for mixed plexiform and fistulous brain arteriovenous malformations: a computational model analysis of theoretical risks of nidus rupture.** *Journal of neurointerventional surgery*
  Jain, M. S., Telischak, N. A., Heit, J. J., Do, H. M., Massoud, T. F.
  2021
- **Intraoperative Neuromonitoring for Cerebral Arteriovenous Malformation Embolization: A Propensity-Score Matched Retrospective Database Study.** *Cureus*
  Feng, A. Y., Sussman, E. S., Jin, M. C., Wong, S., Lopez, J., Pulli, B., Heit, J. J., Telischak, N.
  2021; 13 (1): e12946
- **Efficacy and safety of embolization of dural arteriovenous fistulas via the ophthalmic artery.** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
  Mayercik, V. A., Sussman, E. S., Pulli, B., Dodd, R. L., Do, H. M., Telischak, N. A., Marks, M. P., Steinberg, G. K., Chang, S. D., Heit, J. J.
  2020: 1591019920969270
- **Tortuosity of Superior Cerebral Veins: Comparative MRI Morphometrics in Normal Subjects and Arteriovenous Malformation Patients.** *Clinical anatomy (New York, N.Y.)*
  Telischak, N. A., Yedavalli, V. n., Massoud, T. F.
  2020
- **Dual antiplatelet therapy after carotid artery stenting: trends and outcomes in a large national database.** *Journal of neurointerventional surgery*
  Sussman, E. S., Jin, M. n., Pendharkar, A. V., Pulli, B. n., Feng, A. n., Heit, J. J., Telischak, N. A.
  2020
- **Three-Dimensional Angles of Confluence of Cortical Bridging Veins and the Superior Sagittal Sinus on MR Venography: Does Drainage of Adjacent Brain Arteriovenous Malformations Alter this Spatial Configuration?** *Clinical anatomy (New York, N.Y.)*
  Yedavalli, V., Telischak, N. A., Jain, M. S., Massoud, T. F.
  2019
- **Early Cerebral Vein After Endovascular Ischemic Stroke Treatment Predicts Symptomatic Reperfusion Hemorrhage** *STROKE*
  Cartmell, S. C. D., Ball, R. L., Kaimal, R., Telischak, N. A., Marks, M. P., Do, H. M., Dodd, R. L., Albers, G. W., Lansberg, M. G., Heit, J. J.
  2018; 49 (7): 1741–46
- **Sofia intermediate catheter and the SNAKE technique: safety and efficacy of the Sofia catheter without guidewire or microcatheter construct.** *Journal of neurointerventional surgery*
  Heit, J. J., Wong, J. H., Mofaff, A. M., Telischak, N. A., Dodd, R. L., Marks, M. P., Do, H. M.
  2018; 10 (4): 401–6
- **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
- **Fluoroscopic C-Arm and CT-Guided Selective Radiofrequency Ablation for Trigeminal and Glossopharyngeal Facial Pain Syndromes.** *Pain medicine (Malden, Mass.)*
  Telischak, N. A., Heit, J. J., Campos, L. W., Choudhri, O. A., Do, H. M., Qian, X.
  2017
- **Pipeline embolization device retraction and foreshortening after internal carotid artery blister aneurysm treatment.** *Interventional neuroradiology : journal of peritherapeutic neuroradiology, surgical procedures and related neurosciences*
  Heit, J. J., Telischak, N. A., Do, H. M., Dodd, R. L., Steinberg, G. K., Marks, M. P.
  2017; 23 (6): 614–19
- **Clinical and Arterial Spin Labeling Brain MRI Features of Transitional Venous Anomalies.** *Journal of neuroimaging : official journal of the American Society of Neuroimaging*
  Zhang, M. n., Telischak, N. A., Fischbein, N. J., Steinberg, G. K., Marks, M. n., Zaharchuk, G. n., Heit, J. J., Iv, M. n.
  2017
- **Headway Duo microcatheter for cerebral arteriovenous malformation embolization with n-BCA.** *Journal of neurointerventional surgery*
  Heit, J. J., Faisal, A. G., Telischak, N. A., Choudhri, O., Do, H. M.
  2016; 8 (11): 1181-1185

- **Initial experience with SOFIA as an intermediate catheter in mechanical thrombectomy for acute ischemic stroke.** *Journal of neurointerventional surgery*
  Wong, J. H., Do, H. M., Telischak, N. A., Moraff, A. M., Dodd, R. L., Marks, M. P., Ingle, S. M., Heit, J. J.
  2016
- **Cerebral vascular findings in PAPA syndrome: cerebral arterial vasculopathy or vasculitis and a posterior cerebral artery dissecting aneurysm.** *Journal of neurointerventional surgery*
  Khatibi, K., Heit, J. J., Telischak, N. A., Elbers, J. M., Do, H. M.
  2016; 8 (8)
- **Arterial Spin Labeling MRI: Clinical Applications in the Brain** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
  Telischak, N. A., Detre, J. A., Zaharchuk, G.
  2015; 41 (5): 1165-1180
- **Clinical applications of iron oxide nanoparticles for magnetic resonance imaging of brain tumors** *NANOMEDICINE*
  Iv, M., Telischak, N., Feng, D., Holdsworth, S. J., Yeom, K. W., Daldrup-Link, H. E.
  2015; 10 (6): 993-1018
- **Cerebral vascular findings in PAPA syndrome: cerebral arterial vasculopathy or vasculitis and a posterior cerebral artery dissecting aneurysm.** *BMJ case reports*
  Khatibi, K., Heit, J. J., Telischak, N. A., Elbers, J. M., Do, H. M.
  2015; 2015