



Kyan Younes, MD

Clinical Assistant Professor, Adult Neurology

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

213 Quarry Rd

3rd Fl MC 5958

Palo Alto, CA 94304

Tel (650) 723-6469

Fax (650) 725-0390

Bio

BIO

Dr. Younes is a fellowship-trained, board-certified neurologist and a clinical assistant professor in the Department of Neurology at Stanford University School of Medicine.

His areas of expertise include the diagnosis and treatment of Alzheimer's disease, frontotemporal dementia, primary progressive aphasia, Lewy body dementia, normal pressure hydrocephalus and cognitive and behavioral impairments. For each patient, Dr. Younes develops a personalized plan of care. A plan may include his close collaboration with experts from psychiatry, nursing, pharmacy, genetic counseling, and other specialties. His goal is to ensure that each patient receives care that is both comprehensive and compassionate.

To help lead advances and innovations in his field, Dr. Younes conducts extensive research. He is studying the clinical, neuropsychological, socioemotional, genetic, and pathological features when a patient experiences degeneration of the right anterior temporal lobe area of the brain. This disorder can affect a person's ability to process emotions and person-specific knowledge.

He also is researching how multimodal brain imaging, including magnetic resonance imaging (MRI) and Positron Emission Tomography (PET) combined with machine learning can help improve the detection of neurodegenerative diseases. In other research, he has participated in clinical trials of new drug therapies for Alzheimer's disease.

Dr. Younes has presented research findings at meetings of the American Neurological Association, American Academy of Neurology, and American Psychiatric Association. Topics have included predictors of cognitive performance in dementia.

He has co-authored research articles published in the American Journal of Psychiatry, Annals of Clinical and Translational Neurology, Journal of Neuroimaging, and elsewhere. Subjects of these articles have included guidelines for diagnosing the effects of right anterior temporal lobe degeneration on behavior, treatment for symptoms of encephalitis, and the impact of mild traumatic brain injury on healthy older adults.

Dr. Younes has written chapters on frontotemporal dementia for Psychiatric Clinics as well as the epilepsy, coma, acute ischemic stroke, meningitis and encephalitis chapters for the textbook The Little Black Book of Neurology.

He is a member of the American Academy of Neurology, American Neurological Association, Alzheimer's Association, and International Society for Frontotemporal Dementias.

CLINICAL FOCUS

- Neurology
- Cognitive Dysfunction
- Alzheimer's Disease
- Frontotemporal Dementia
- Primary Progressive Aphasia
- Lewy Body Dementia
- Normal Pressure Hydrocephalus

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Adult Neurology
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Residency: University of Texas Health Science Center (2018) TX
- Fellowship: UCSF Dept of Neurology (2021) CA
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2018)
- Medical Education: University of Damascus, Faculty of Medicine (2013) Syria

Research & Scholarship

CLINICAL TRIALS

- Bumex in AD , Recruiting

Publications

PUBLICATIONS

- **Continuum of Core 1 biomarkers in preclinical Alzheimer's disease.** *Alzheimer's research & therapy*
Digma, L. A., Young, C. B., Winer, J. R., Cody, K. A., Younes, K., Sheng, J., Insel, P. S., Rissman, R. A., Sperling, R., Mormino, E. C.
2026
- **Longitudinal trajectories of divergent cortical tau patterns in preclinical Alzheimer's disease.** *Brain : a journal of neurology*
Young, C. B., Sheng, J., Winer, J. R., Cody, K., Sai, I., Carlson, M. L., Younes, K., Insel, P. S., Schultz, A. P., Mormino, E. C.
2026
- **Cognitive screening biases in a secondary prevention Alzheimer's disease clinical trial.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Sai, I., Grill, J. D., Younes, K., Winer, J. R., Cody, K. A., Sperling, R., Mormino, E. C., Young, C. B.
2026; 22 (3): e71254
- **Multimodal semantic knowledge of emotion concepts in frontotemporal dementia.** *medRxiv : the preprint server for health sciences*

- Montembeault, M., Borghesani, V., Miller, Z. A., Mandelli, M. L., Pillai, J., Tran, S., Bogley, R., Millanski, C., Ezzes, Z., Ratnasiri, B., Palser, E. R., Ulugut, H., Younes, et al
2026
- **Characterizing amyloid and tau positron emission tomography-based stages across the clinical continuum.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Cody, K. A., Sokolowski, A., Johns, E., Guerra, L. M., Winer, J. R., Young, C. B., Younes, K., Dumitrescu, L., Archer, D. B., Durant, A., Sathe, A., Koran, M. E., Mez, et al
2026; 22 (1): e71017
 - **ASPARTATE TO ALANINE TRANSAMINASE (AST/ALT) BUT NOT LIVER FUNCTIONING DISCRIMINATES PARKINSON'S FROM OTHER DISEASES**
Younes, K., Schulte, T., Zahr, N.
SPRINGER NATURE.2026
 - **Brain-rejuvenating factor TIMP2 is associated with brain health and neuroprotective lifestyle in aged subjects.** *medRxiv : the preprint server for health sciences*
Paolillo, E. W., Petridis, S. F., Ferreira, A. C., Liu, H., Zhu, J. D., Saloner, R., Vandebunte, A. M., Cadwallader, C. J., Chen, C., Kramer, J. H., Younes, K., Yutsis, M. V., Henderson, et al
2025
 - **Clinical recognition of frontotemporal dementia with right temporal predominance: a consensus statement from the International Working Group.** *Communications medicine*
Ulugut, H., Younes, K., Montembeault, M., Bertoux, M., Irish, M., Kumfor, F., Fumagalli, G. G., Samanci, B., Illán-Gala, I., Thompson, J. C., Santillo, A. F., Englund, E., Landqvist Waldö, et al
2025; 5 (1): 523
 - **Pulsatile Brain Motion as a Marker of Brain Aging and Dementia: Insights from 3D q-aMRI.** *medRxiv : the preprint server for health sciences*
Terem, I., Younes, K., Weiss, S., Dreisbach, A., Vossler, H., Kwon, E., Cornfeld, D., Wright, J., Condrón, P., Poston, K. L., Henderson, V. W., Mormino, E. C., Holdsworth, et al
2025
 - **Alzheimer's Imaging Consortium.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Sai, I., Trelle, A. N., Sheng, J., Young, C. B., Younes, K., Park, J., Guerra, L. M., Romero, A., Vossler, H., Wagner, A. D., Mormino, E. C.
2025; 21 Suppl 8 (Suppl 8): e109870
 - **Biomarkers.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Cody, K., Sokolowski, A., Winer, J. R., Young, C. B., Younes, K., Durant, A., Dumitrescu, L., Archer, D., Tosun, D., Johnson, S. C., Harrison, T. M., Hohman, T. J., Mormino, et al
2025; 21 Suppl 2: e104202
 - **Drug Development.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Kniecik, M., Chu, M., Zhou, A., Skylar-Scott, I. A., Samudra, N., Tripathi, P., Coburn, M., Wilson, T. N., He, Z., Haddad, F., Wyss-Coray, T., Sha, S. J., Greicius, et al
2025; 21 Suppl 5: e106859
 - **Clinical Manifestations.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Ulugut, H., Younes, K., Bertoux, M., Montembeault, M., Fumagalli, G. G., Ghirelli, A., Spinelli, E. G., Jung, N. Y., Samanci, B., Illán-Gala, I., Thompson, J., Kobylecki, C., Santillo, et al
2025; 21 Suppl 3: e103987
 - **Continuum of Core 1 Biomarkers in Preclinical Alzheimer's Disease.** *medRxiv : the preprint server for health sciences*
Digma, L. A., Young, C. B., Winer, J. R., Cody, K. A., Younes, K., Sheng, J., Insel, P. S., Rissman, R. A., Sperling, R., Mormino, E. C.
2025
 - **Targeting the cardiometabolic bottleneck to slow poly pathology and cognitive decline.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Hayes, C. A., Younes, K.
2025; 21 (9): e70684
 - **Automated Speech Analysis to Differentiate Frontal and Right Anterior Temporal Lobe Atrophy in Frontotemporal Dementia.** *Neurology*

- Vonk, J. M., Morin, B. T., Pillai, J., Rosado Rolon, D., Bogley, R., Baquirin, D. P., Ezzes, Z., Tee, B. L., de Leon, J., Wauters, L., Lukic, S., Montembeault, M., Younes, et al
2025; 104 (9): e213556
- **The impact of arteriolosclerosis on cognitive impairment in decedents without severe dementia from the National Alzheimer's Coordinating Center.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Hayes, C. A., Young, C. B., Abdelnour, C., Reeves, A., Odden, M. C., Nirschl, J., Crane, P. K., Poston, K. L., Mormino, E. C., Younes, K.
2025; 21 (3): e70059
 - **Amyloid PET predicts longitudinal functional and cognitive trajectories in a heterogeneous cohort.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Younes, K., Johns, E., Young, C. B., Kennedy, G., Mukherjee, S., Vossler, H. A., Winer, J., Cody, K., Henderson, V. W., Poston, K. L., Betthausen, T. J., Bevis, B., Brooks, et al
2025; 21 (3): e70075
 - **Brain aging rejuvenation factors in adults with genetic and sporadic neurodegenerative disease.** *Brain communications*
Casaletto, K. B., Saloner, R., Kornak, J., Staffaroni, A. M., Villeda, S., Paolillo, E., VandeBunte, A. M., Cadwallader, C. J., Lario Lago, A., Webb, J., Chen, C., Rascovsky, K., Miyagawa, et al
2025; 7 (1): fcae432
 - **Network changes associated with right anterior temporal lobe atrophy: insight into unique symptoms** *BRAIN COMMUNICATIONS*
Ulugut, H., Mandelli, M., Gilioli, A., Ezzes, Z., Pillai, J., Baquirin, D., Wallman-Jones, A., Gerenza, A., Palser, E. R., Scheffler, A., Battistella, G., Cobigo, Y., Rosen, et al
2025; 7 (4): fcaf251
 - **Plasma A β 42/A β 40 is sensitive to early cerebral amyloid accumulation and predicts risk of cognitive decline across the Alzheimer's disease spectrum.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Trelle, A. N., Young, C. B., Vossler, H., Ramos Benitez, J., Cody, K. A., Mendiola, J. H., Swarovski, M. S., Guen, Y. L., Feinstein, I., Butler, R. R., Channappa, D., Romero, A., Park, et al
2024
 - **Basic Science and Pathogenesis.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Nouh, C. D., Abiose, O., Wyss-Coray, T., Henderson, V. W., Sha, S. J., Yutsis, M., Mormino, E., Younes, K.
2024; 20 Suppl 1: e088503
 - **The Role of MRI-Visible Perivascular Spaces for Cognitive Dysfunction in Aging with Neuroinflammatory and Neurodegenerative Disorders**
Muller-Oehring, E., Hachandra, D., Younes, K., Peterson, E. T., Winer, J., Cobigo, Y., Rosen, H., Young, C. B., Bronte-Stewart, H. M., McGlynn, L., Poston, K. L., Schulte, T.
WILEY.2024: S234-S235
 - **Digital language markers distinguish frontal from right anterior temporal lobe atrophy in frontotemporal dementia.** *medRxiv : the preprint server for health sciences*
Vonk, J. M., Morin, B. T., Pillai, J., Rolon, D. R., Bogley, R., Baquirin, D. P., Ezzes, Z., Tee, B. L., DeLeon, J., Wauters, L., Lukic, S., Montembeault, M., Younes, et al
2024
 - **3D Quantitative-Amplified Magnetic Resonance Imaging (3D q-aMRI).** *Bioengineering (Basel, Switzerland)*
Terem, I., Younes, K., Wang, N., Condron, P., Abderezaei, J., Kumar, H., Vossler, H., Kwon, E., Kurt, M., Mormino, E., Holdsworth, S., Setsompop, K.
2024; 11 (8)
 - **Diagnosis and Management of Progressive Corticobasal Syndrome (Jun, 10.1007/s11940-024-00797-4, 2024) CURRENT TREATMENT OPTIONS IN NEUROLOGY**
Nouh, C., Younes, K.
2024
 - **Clinical recognition of frontotemporal dementia with right anterior temporal predominance: A multicenter retrospective cohort study.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Ulugut, H., Bertoux, M., Younes, K., Montembeault, M., Fumagalli, G. G., Samanci, B., Illan-Gala, I., Kuchcinski, G., Leroy, M., Thompson, J. C., Kobylecki, C., Santillo, A. F., Englund, et al
2024

- **Florbetaben amyloid PET acquisition time: Influence on Centiloids and interpretation.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
Johns, E., Vossler, H. A., Young, C. B., Carlson, M. L., Winer, J. R., Younes, K., Park, J., Rathmann-Bloch, J., Smith, V., Harrison, T. M., Landau, S., Henderson, V., Wagner, et al
2024
- **Diagnosis and Management of Progressive Corticobasal Syndrome** *CURRENT TREATMENT OPTIONS IN NEUROLOGY*
Nouh, C., Younes, K.
2024
- **Temporal tau asymmetry spectrum influences divergent behavior and language patterns in Alzheimer's disease.** *Brain, behavior, and immunity*
Younes, K., Smith, V., Johns, E., Carlson, M. L., Winer, J., He, Z., Henderson, V. W., Greicius, M. D., Young, C. B., Mormino, E. C.
2024
- **Enlarged perivascular spaces are associated with white matter injury, cognition and inflammation in cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy.** *Brain communications*
Karvelas, N., Oh, B., Wang, E., Cobigo, Y., Tsuei, T., Fitzsimons, S., Younes, K., Ehrenberg, A., Geschwind, M. D., Schwartz, D., Kramer, J. H., Ferguson, A. R., Miller, et al
2024; 6 (2): fcae071
- **Reliability of remote National Alzheimer's Coordinating Center Uniform Data Set data.** *Alzheimer's & dementia (Amsterdam, Netherlands)*
Smith, V., Younes, K., Poston, K. L., Mormino, E. C., Young, C. B.
2023; 15 (4): e12498
- **Temporal tau asymmetry spectrum influences divergent behavior and language patterns in Alzheimer's disease.** *medRxiv : the preprint server for health sciences*
Younes, K., Smith, V., Johns, E., Carlson, M. L., Winer, J., He, Z., Henderson, V. W., Greicius, M. D., Young, C. B., Mormino, E. C.
2023
- **Diminished baseline autonomic outflow in semantic dementia relates to left-lateralized insula atrophy.** *NeuroImage. Clinical*
Hua, A. Y., Roy, A. R., Kosik, E. L., Morris, N. A., Chow, T. E., Lukic, S., Montembeault, M., Borghesani, V., Younes, K., Kramer, J. H., Seeley, W. W., Perry, D. C., Miller, et al
2023; 40: 103522
- **Loop diuretics association with Alzheimer's disease risk.** *Frontiers in aging*
Graber-Naidich, A., Lee, J., Younes, K., Greicius, M. D., Le Guen, Y., He, Z.
2023; 4: 1211571
- **The MVP or the tombstone: is tau the correct target to treat Alzheimer's disease?** *Brain : a journal of neurology*
Younes, K., Sha, S. J.
2023
- **The pathotome and precision health.** *Brain : a journal of neurology*
Younes, K., Mormino, E.
2023
- **Bumetanide Exposure Association with Alzheimer's Disease Risk.** *Research square*
Graber-Naidich, A., Lee, J., Younes, K., Greicius, M. D., Le Guen, Y., He, Z.
2023
- **Performance of a fully-automated Lumipulse plasma phospho-tau181 assay for Alzheimer's disease.** *Alzheimer's research & therapy*
Wilson, E. N., Young, C. B., Ramos Benitez, J., Swarovski, M. S., Feinstein, I., Vandijck, M., Le Guen, Y., Kasireddy, N. M., Shahid, M., Corso, N. K., Wang, Q., Kennedy, G., Trelle, et al
2022; 14 (1): 172
- **Right temporal lobe and socioemotional semantics: semantic behavioural variant frontotemporal dementia.** *Brain : a journal of neurology*
Younes, K., Borghesani, V., Montembeault, M., Spina, S., Mandelli, M. L., Welch, A. E., Weis, E., Callahan, P., Elahi, F. M., Hua, A. Y., Perry, D. C., Karydas, A., Geschwind, et al
2022

- **Divergent Cortical Tau Positron Emission Tomography Patterns Among Patients With Preclinical Alzheimer Disease.** *JAMA neurology*
Young, C. B., Winer, J. R., Younes, K., Cody, K. A., Betthausen, T. J., Johnson, S. C., Schultz, A., Sperling, R. A., Greicius, M. D., Cobos, I., Poston, K. L., Mormino, E. C., Alzheimers Disease Neuroimaging Initiative and the Harvard Aging Brain Study, et al
2022
- **Selective vulnerability to atrophy in sporadic Creutzfeldt-Jakob disease** *ANNALS OF CLINICAL AND TRANSLATIONAL NEUROLOGY*
Younes, K., Rojas, J. C., Wolf, A., Sheng-Yang, G. M., Paoletti, M., Toller, G., Caverzasi, E., Mandelli, M., Illan-Gala, I., Kramer, J. H., Cobigo, Y., Miller, B. L., Rosen, et al
2021; 8 (6): 1183-1199
- **Diagnostic Utility of Measuring Cerebral Atrophy in the Behavioral Variant of Frontotemporal Dementia and Association With Clinical Deterioration** *JAMA NETWORK OPEN*
Illan-Gala, I., Falgas, N., Friedberg, A., Castro-Suarez, S., Keret, O., Rogers, N., Oz, D., Nigro, S., Quattrone, A., Quattrone, A., Wolf, A., Younes, K., Santos-Santos, et al
2021; 4 (3): e211290
- **Association of remote mild traumatic brain injury with cortical amyloid burden in clinically normal older adults** *BRAIN IMAGING AND BEHAVIOR*
Asken, B. M., Mantyh, W. G., La Joie, R., Strom, A., Casaletto, K. B., Staffaroni, A. M., Apple, A. C., Lindbergh, C. A., Iaccarino, L., You, M., Grant, H., Fonseca, C., Windon, et al
2021
- **Right Anterior Temporal Degeneration, Emotions, and Loss of Nonverbal Semantics: Guidelines for Diagnosis of the Emotional Semantic Variant Frontotemporal Dementia** *MedRxiv*
Younes, K., Borghesani, V., Montembeault, M., Spina, S., Mandelli, M., Welch, A. E., Weis, E., Callahan, P., Elahi, F. M., Hua, A. Y., Perry, D. C., Karydas, A., Geschwind, et al
2021
- **Topiramate as Possible Treatment for Catatonia in Anti-NMDA Receptor Encephalitis**
Melicher, T., Younes, K.
The American Journal of Psychiatry.
2021
- **Regional and hemispheric susceptibility of the temporal lobe to FTLTD-TDP type C pathology** *NEUROIMAGE-CLINICAL*
Borghesani, V., Battistella, G., Mandelli, M. L., Welch, A., Weis, E., Younes, K., Neuhaus, J., Grinberg, L. T., Seeley, W. M., Spina, S., Miller, B., Miller, Z., Gorno-Tempini, et al
2020; 28: 102369
- **Hepatic Encephalopathy Mimicking Acute Dominant Middle Cerebral Artery Ischemic Stroke: A Case Report** *CASE REPORTS IN NEUROLOGY*
Younes, K., Gonzales, N., Sarraj, A., Bonfante, E., Jagolino-Cole, A.
2019; 11 (3): 304-311
- **Verbal semantics and the left dorsolateral anterior temporal lobe: a longitudinal case of bilateral temporal degeneration** *APHASIOLOGY*
Vonk, J. M. J., Borghesani, V., Battistella, G., Younes, K., DeLeon, J., Welch, A., Hubbard, H., Miller, Z. A., Miller, B. L., Gorno-Tempini, M.
2020; 34 (7): 865-885
- **Diffusion Tensor Imaging of the Superior Thalamic Radiation and Cerebrospinal Fluid Distribution in Idiopathic Normal Pressure Hydrocephalus** *JOURNAL OF NEUROIMAGING*
Younes, K., Hasan, K. M., Kamali, A., McGough, C. E., Keser, Z., Hasan, O., Melicher, T., Kramer, L. A., Schulz, P. E., Alzheimer's Dis Neuroimaging Initi
2019; 29 (2): 242-251
- **Yakovlev's Basolateral Limbic Circuit in Multiple Sclerosis Related Cognitive Impairment** *JOURNAL OF NEUROIMAGING*
Keser, Z., Kamali, A., Younes, K., Schulz, P. E., Nelson, F. M., Hasan, K. M.
2018; 28 (6): 596-600
- **Revealing the cerebello-ponto-hypothalamic pathway in the human brain** *NEUROSCIENCE LETTERS*
Kamali, A., Karbasian, N., Rabiei, P., Cano, A., Riascos, R. F., Tandon, N., Arevalo, O., Ocasio, L., Younes, K., Khayat-khoei, M., Mirbagheri, S., Hasan, K. M.
2018; 677: 1-5

- **Decreased Fractional Anisotropy as a Marker of Aberrant White Matter Integrity in Unaffected Offspring of Patients With Bipolar Disorder**
Melicher, T., Mwangi, B., Wu, M., Cao, B., Zeni, C., Younes, K., Zunta-Soares, G., Hasan, K., Soares, J.
ELSEVIER SCIENCE INC.2018: S176
- **Auto-antibodies against P/Q- and N-type voltage-dependent calcium channels mimicking frontotemporal dementia** *SAGE OPEN MEDICAL CASE REPORTS*
Younes, K., Lepow, L. A., Estrada, C., Schulz, P. E.
2018; 6: 2050313X17750928
- **Quantitative limbic system Mapping of Main cognitive Domains in Multiple sclerosis** *FRONTIERS IN NEUROLOGY*
Keser, Z., Hasan, K. M., Mwangi, B., Younes, K., Khayat-Khoei, M., Kamali, A., Lincoln, J. A., Nelson, F. M.
2018; 9: 132
- **Micro and Macrostructural Limbic System Correlates of Comprehensive Cognitive Symptomatology in Multiple Sclerosis using Quantitative MRI and DTI (P3.358)** *Neurology*
Keser, Z., Hasan, K., Mwangi, B., Kamali, A., Younes, K., Lincoln, J., Nelson, F.
2018
- **Diffusion tensor tractography of the mammillothalamic tract in the human brain using a high spatial resolution DTI technique**
Kamali, A., Zhang, C. C., Riascos, R. F., Tandon, N., Bonafante-Mejia, E. E., Patel, R., Lincoln, J. A., Rabiei, P., Ocasio, L., Younes, K., Hasan, K. M.
Scientific Reports.
2018
- **Ictal motor sequences: Lateralization and localization values** *EPILEPSIA*
Marashly, A., Ewida, A., Agarwal, R., Younes, K., Lueders, H. O.
2016; 57 (3): 369-375