Stanford



Dong-In Sinn

Clinical Associate Professor, Adult Neurology

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- neurogenic orthostatic hypotension
- supine hypertension
- Syncope, Vasovagal
- baroreflex failure
- sweating disorder
- autonomic testing
- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Adult Neurology
- Member, Maternal & Child Health Research Institute (MCHRI)

ADMINISTRATIVE APPOINTMENTS

- Program Director, Autonomic Disorders Fellowship, Stanford, (2022- present)

PROFESSIONAL EDUCATION

- Residency, Seoul National University, South Korea , Neurology (2007)
- Board Certification: Autonomic Disorders, United Council for Neurologic Subspecialties (2018)
- Fellowship: Beth Israel Deaconess Medical Center (2016) MA
- Board Certification: Clinical Neurophysiology, American Board of Psychiatry and Neurology (2017)
- Board certification, ABPN , Neurology (2015)
- Residency: Medical University of South Carolina (2015) SC
- Medical Education: Seoul National University (2002)

Research & Scholarship

CLINICAL TRIALS

- Phase 3 Clinical Effect Durability of TD-9855 for Treating Symptomatic nOH in Subjects With Primary Autonomic Failure, Not Recruiting
- Phase 3 Efficacy and Durability of Ampreloxetine for the Treatment of Symptomatic NOH in Participants with Multiple System Atrophy, Not Recruiting
- Modality Choice Before and After Failure for the Treatment of Painful Diabetic Neuropathy, Not Specified

Publications

PUBLICATIONS

- **Neurogenic orthostatic hypotension and afferent baroreflex failure secondary to brainstem lesions.** *Autonomic neuroscience : basic & clinical*
  Ortiz, P. J., Youssef, A., Trujillo, P., Sinn, D. I., Jaradeh, S., Paranjape, S. Y., Biaggioni, I., Shibao, C. A.
  2026; 265: 103425
- **Use of a thermal comfort wearable improves temperature intolerance in patients with postural tachycardia syndrome.** *Autonomic neuroscience : basic & clinical*
  Miglis, M. G., Seliger, J., Machnik, J. V., Shaik, R., Larsen, N. W., Sinn, D. I.
  2026; 264: 103398
- **Differential Findings on Anorectal Manometry in Patients with Parkinson's Disease and Defecatory Dysfunction.** *Movement disorders clinical practice*
  Zhou, W., Triadafilopoulos, G., Gurland, B., Halawi, H., Becker, L., Garcia, P., Nguyen, L., Miglis, M., Muppidi, S., Sinn, D. I., Jaradeh, S., Neshatian, L.
  2023; 10 (7): 1074-1081
- **Diagnosis and management of neurogenic orthostatic hypotension** *Annals of Clinical Neurophysiology*
  Ju, W., Sinn, D.
  2023; 25 (2): 66-77
- **Clinical reasoning: A 65-year-old Man with Chronic Labile Hypertension**
  Sinn, D.
  Journal of the Korean Neurological Association.
  2023 ; 42(3) 292-300
- **Nonvestibular Dizziness.** *Otolaryngologic clinics of North America*
  Jiam, N. T., Murphy, O. C., Gold, D. R., Isanhart, E., Sinn, D., Steenerson, K. K., Sharon, J. D.
  2021; 54 (5): 999-1013
- **Orthostatic intolerance with Klippel-Trenaunay syndrome.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
  Sinn, D. I., Shaik, R., Miglis, M. G., Muppidi, S., Jaradeh, S.
  2021
- **Autonomic function test during the COVID-19 pandemic: the Stanford experience.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
  Sinn, D. I., Muppidi, S. n., Miglis, M. G., Jaradeh, S. n.
  2021
- **A case report of postural tachycardia syndrome after COVID-19.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
  Miglis, M. G., Prieto, T., Shaik, R., Muppidi, S., Sinn, D., Jaradeh, S.
  2020
- **Symptom Recognition Is Impaired in Patients With Orthostatic Hypotension.** *Hypertension (Dallas, Tex. : 1979)*
  Freeman, R., Illigens, B. M., Lapusca, R., Campagnolo, M., Abuzinadah, A. R., Bonyhay, I., Sinn, D., Miglis, M., White, J., Gibbons, C. H.
  2020: HYPERTENSIONAHA11913619

- **Quantitative sudomotor abnormalities in clinically isolated rapid eye movement sleep behavior disorder.** *Autonomic neuroscience : basic & clinical*
  Zitser, J., Muppidi, S., Sinn, D. I., Jaradeh, S., Miglis, M. G.
  2020; 224: 102645

- **Chapter 10 - Autonomic neuropathies and gastroparesis** *Gastroparesis Pathophysiology, Clinical Presentation, Diagnosis and Treatment*
  Sinn, D., Jaradeh, S.
  Academic Press.2020; 1: 109–121

- **The Relationship Between Changes in Orthostatic Blood Pressure and Symptoms in Patients with Orthostatic Hypotension**
  Freeman, R., Gibbons, C., Lapusca, R., Illigens, B., Campagnolo, M., Abuzinadah, A., Sinn, D.
  LIPPINCOTT WILLIAMS & WILKINS.2019

- **Orthostatic Hypotension JACC State-of-the-Art Review** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Freeman, R., Abuzinadah, A. R., Gibbons, C., Jones, P., Miglis, M. G., Sinn, D.
  2018; 72 (11): 1294–1309

- **Rate of Stroke Mimics over Telestroke.** *Journal of stroke*
  Sinn, D. I., Kasab, S. A., Banerjee, C. n., Ozark, S. n.
  2017

- **Pathophysiology and Treatment of Orthostatic Hypotension in Parkinsonian Disorders.** *Current treatment options in neurology*
  Sinn, D. I., Gibbons, C. H.
  2016; 18 (6): 28

- **Blood pressure oscillations in baroreflex failure.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
  Abuzinadah, A. R., Sinn, D. I., Freeman, R. n., Gibbons, C. H.
  2016

- **Simultaneous Optic Neuropathy and Osmotic Demyelinating Syndrome in Hyperemesis Gravidarum** *AMERICAN JOURNAL OF THE MEDICAL SCIENCES*
  Sinn, D. I., Bachman, D., Feng, W.
  2014; 347 (1): 88-90

- **Ischemic Neuropathy Associated with Livedoid Vasculitis** *JOURNAL OF CLINICAL NEUROLOGY*
  Kim, J., Park, S., Sinn, D. I., Kim, S., Hong, Y., Park, K. S., Sung, J., Lee, K.
  2011; 7 (4): 233-236

- **Circulating endothelial progenitor cells as a new marker of endothelial dysfunction or repair in acute stroke** *STROKE*
  Chu, K., Jung, K., Lee, S., Park, H., Sinn, D., Kim, J., Kim, D., Kim, J., Kim, S., Song, E., Kim, M., Lee, S. K., Roh, et al
  2008; 39 (5): 1441-1447

- **Identification of neuronal outgrowth cells from peripheral blood of stroke patients** *ANNALS OF NEUROLOGY*
  Jung, K., Chu, K., Lee, S., Song, E., Sinn, D., Kim, J., Kim, S., Kim, J., Kang, K., Park, H., Lee, S., Kim, M., Lee, et al
  2008; 63 (3): 312-322

- **Systemic transplantation of human adipose stem cells attenuated cerebral inflammation and degeneration in a hemorrhagic stroke model** *BRAIN RESEARCH*
  Kim, J., Lee, S., Chu, K., Jung, K., Song, E., Kim, S., Sinn, D., Kim, J., Park, D., Kang, K., Hong, N. H., Park, H., Won, et al
  2007; 1183: 43-50

- **Neurotoxic syndrome developed after taking sertraline and risperidone** *JOURNAL OF CLINICAL NEUROLOGY*
  Kim, J., Lee, S., Song, E., Jung, K., Sinn, D., Chung, H., Chu, K., Kim, M.
  2007; 3 (3): 165-167

- **Blockade of AT1 receptor reduces apoptosis, inflammation, and oxidative stress in normotensive rats with intracerebral Hemorrhage** *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*
  Jung, K., Chu, K., Lee, S., Kim, S., Song, E., Kim, E., Park, D., Sinn, D., Kim, J., Kim, M., Roh, J.
  2007; 322 (3): 1051-1058

- **Status epilepticus associated with sertindole** *EUROPEAN JOURNAL OF NEUROLOGY*
  Sinn, D., Chu, K., Jung, K., Park, K., Nam, H., Lee, S. K.
  2007; 14 (8): E12-E13

- **Valproic acid-mediated neuroprotection in intracerebral hemorrhage via histone deacetylase inhibition and transcriptional activation** *NEUROBIOLOGY OF DISEASE*
  Sinn, D., Kim, S., Chu, K., Jung, K., Lee, S., Song, E., Kim, J., Park, D., Lee, S. K., Kim, M., Roh, J.
  2007; 26 (2): 464-472

- **Proteasomal inhibition in intracerebral hemorrhage: Neuroprotective and anti-inflammatory effects of bortezomib** *NEUROSCIENCE RESEARCH*
  Sinn, D., Lee, S., Chu, K., Jung, K., Kim, E., Kim, J., Park, D., Song, E., Kim, B., Yoon, S., Kim, M., Roh, J.
  2007; 58 (1): 12-18

- **Pharmacological induction of heat shock protein exerts neuroprotective effects in experimental intracerebral hemorrhage** *BRAIN RESEARCH*
  Sinn, D., Chu, K., Lee, S., Song, E., Jung, K., Kim, E., Park, D., Kang, K., Kim, M., Roh, J.
  2007; 1135 (1): 167-176

- **Combined neuroprotective effects of celecoxib and memantine in experimental intracerebral hemorrhage** *NEUROSCIENCE LETTERS*
  Sinn, D., Lee, S., Chu, K., Jung, K., Song, E., Kim, J., Park, D., Kim, M., Roh, J.
  2007; 411 (3): 238-242

- **Early intravenous infusion of sodium nitrite protects brain against in vivo ischemia-reperfusion injury** *STROKE*
  Jung, K., Chu, K., Ko, S., Lee, S., Sinn, D., Park, D., Kim, J., Song, E., Kim, M., Roh, J.
  2006; 37 (11): 2744-2750

- **Quantification of human neural stem cell engraftments in rat brains using ERV-3 real-time PCR** *JOURNAL OF NEUROSCIENCE METHODS*
  Lee, S., Chu, K., Kim, E., Jung, K., Lee, K., Sinn, D., Kim, S. U., Kim, M., Roh, J.
  2006; 157 (2): 225-229

- **Cyclooxygenase-2 inhibitor, celecoxib, inhibits the altered hippocampal neurogenesis with attenuation of spontaneous recurrent seizures following pilocarpine-induced status epilepticus** *NEUROBIOLOGY OF DISEASE*
  Jung, K., Chu, K., Lee, S., Kim, J., Sinn, D., Kim, J., Park, D., Lee, J., Kim, S. U., Kim, M., Kun Lee, S., Roh, J.
  2006; 23 (2): 237-246

- **Peroxisome proliferator-activated receptor-gamma-agonist, rosiglitazone, promotes angiogenesis after focal cerebral ischemia** *BRAIN RESEARCH*
  Chu, K., Lee, S., Koo, J., Jung, K., Kim, E., Sinn, D., Kim, J., Ko, S., Kim, S., Song, E., Kim, M., Roh, J.
  2006; 1093: 208-218

- **Memantine reduces hematoma expansion in experimental intracerebral hemorrhage, resulting in functional improvement** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
  LEE, S. T., Chu, K., Jung, K. H., Kim, J., Kim, E. H., Kim, S. J., Sinn, D. I., Ko, S. Y., Kim, M., Roh, J. K.
  2006; 26 (4): 536-544

- **Erythropoietin reduces perihematomal inflammation and cell death with eNOS and STAT3 activations in experimental intracerebral hemorrhage** *JOURNAL OF NEUROCHEMISTRY*
  LEE, S. T., Chu, K., Sinn, D. I., Jung, K. H., Kim, E. H., Kim, S. J., Kim, J. M., Ko, S. Y., Kim, M., Roh, J. K.
  2006; 96 (6): 1728-1739

- **Granulocyte colony-stimulating factor stimulates neurogenesis via vascular endothelial growth factor with STAT activation.** *Brain research*
  Jung, K., Chu, K., Lee, S., Kim, S., Sinn, D., Kim, S. U., Kim, M., Roh, J.
  2006; 1073-1074: 190-201

- **Combined treatment of vascular endothelial growth factor and human neural stem cells in experimental focal cerebral ischemia** *NEUROSCIENCE RESEARCH*
  Chu, K., Park, K. I., LEE, S. T., Jung, K. H., Ko, S. Y., Kang, L., Sinn, D. I., Lee, Y. S., Kim, S. U., Kim, M., Roh, J. K.
  2005; 53 (4): 384-390

- **Granulocyte colony-stimulating factor enhances anglogenesis after focal cerebral ischemia** *BRAIN RESEARCH*

LEE, S. T., Chu, K., Jung, K. H., Ko, S. Y., Kim, E. H., Sinn, D. I., Lee, Y. S., Lo, E. H., Kim, M., Roh, J. K.
2005; 1058 (1-2): 120-128