



Mitchell Miglis, MD

- Clinical Associate Professor, Neurology & Neurological Sciences
- Clinical Associate Professor, Psychiatry and Behavioral Sciences - Sleep Medicine

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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Bio

BIO

Dr. Miglis is a Clinical Associate Professor in the departments of Neurology and Neurological Sciences and Psychiatry and Behavioral Sciences. He received his MD from the University of Florida. After serving as a medical intern at Washington Hospital Center/Georgetown University, he completed his neurology residency at New York University. He then completed two fellowships, the first in Autonomic Disorders at the Beth Israel Deaconess Medical Center of Harvard Medical school, and the second in Sleep Medicine at the Stanford Sleep Medicine Center. He is director of the Stanford Multiple System Atrophy Center of Excellence and the Stanford Parasomnia Sleep Disorders Clinic, and is extensively involved in the multidisciplinary Stanford Post-Acute COVID Syndrome (PACS) clinic.

Dr. Miglis treats a wide variety of neurological diseases and has a special interest in Autonomic Disorders, Sleep Disorders, and the interaction between these conditions. His research efforts are currently focused on mechanisms of autonomic dysfunction in Long-COVID/PASC and the central nervous system hypersomnias, in particular Idiopathic Hypersomnia. He is also site principle investigator of the North American Prodromal Synucleinopathy Study and has several ongoing studies evaluating skin biopsy and autonomic testing as markers of disease progression in isolated REM sleep behavior disorder.

CLINICAL FOCUS

- Autonomic Disorders
- Sleep Medicine
- Clinical Neurophysiology

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Neurology & Neurological Sciences
- Clinical Associate Professor, Psychiatry and Behavioral Sciences - Sleep Medicine

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Advisory Board Member, Mission MSA (2021 - present)
- Vice-Chair, Autonomic Section, American Academy of Neurology (2022 - present)
- Member, NIH RECOVER Long COVID Executive Committee (2022 - present)
- Editorial Board, Clinical Autonomic Research (2021 - present)
- Member, CDC Long-COVID Interim Guidance Committee (2021 - present)
- Advisory Board Member, Dysautonomia International (2021 - present)
- Member, American Academy of Neurology Sleep Medicine Educational Committee (2018 - present)
- Member, NIH POTS Task Force (2019 - present)
- Member, International REM Sleep Behavior Study Group (2018 - present)

PROFESSIONAL EDUCATION

- Board Certification: Sleep Medicine, American Board of Psychiatry and Neurology (2013)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2011)
- Fellowship, Stanford University Medical Center , Sleep Medicine (2013)
- Fellowship, Beth Israel Deaconess Medical Center/Harvard Medical School , Autonomic Disorders and Clinical Neurophysiology (2012)
- Residency, New York University , Neurology (2011)
- Internship, Washington Hospital Center/Georgetown University (2008)
- Medical Education: University of Florida College of Medicine (2007) FL

LINKS

- Stanford Autonomic Disorders: <http://neurology.stanford.edu/autonomic/>
- Stanford Center for Sleep Sciences and Medicine: <http://sleep.stanford.edu>
- Sleep and Neurological Disease: https://www.amazon.com/Sleep-Neurologic-Disease-Mitchell-Miglis/dp/0128040742/ref=sr_1_fkmr0_1?s=books&ie=UTF8&qid=1486965171&sr=1-1-fkmr0&keywords=sleep+neurological+disease+miglis
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Sleep and Autonomic Neurology: <https://www.youtube.com/watch?v=g-sbJNPCX3Y>
- Autonomic Failure in MSA: https://www.youtube.com/watch?v=T1so_71hAaw&t=488s

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Prodromal markers of neurodegeneration in REM sleep behavior disorder

Autonomic dysfunction in Long-COVID

Postural tachycardia syndrome

CLINICAL TRIALS

- Natural History Study of Synucleinopathies, Recruiting
- A Novel Noninvasive Thermoregulatory Device for Postural Tachycardia Syndrome, Not Recruiting

Publications

PUBLICATIONS

- **Prevalence, co-existence, and factors related to a change in geriatric giant syndromes over 2years: results of the Second Wave of Cognition of Older People, Education, Recreational Activities, Nutrition, Comorbidities, fUnctional Capacity Studies (COPERNICUS).** *Psychogeriatrics : the official journal of the Japanese Psychogeriatric Society*
Kujawska, A., Kujawski, S., Zupkauskienė, J., Husejko, J., Hajec, W., Robertson, C. E., Miglis, M. G., McMahon, N., Dani, M., Simoes, J. A., Zalewski, P., Kedziora-Kornatowska, K.
2025; 25 (3): e70018
- **Chronic autonomic symptom burden in long-COVID: a follow-up cohort study.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Eastin, E. F., Machnik, J. V., Stiles, L. E., Larsen, N. W., Seliger, J., Geng, L. N., Bonilla, H., Yang, P. C., Miglis, M. G.
2025
- **Sex Differences in Long COVID.** *JAMA network open*
Shah, D. P., Thaweethai, T., Karlson, E. W., Bonilla, H., Horne, B. D., Mullington, J. M., Wisnivesky, J. P., Hornig, M., Shinnick, D. J., Klein, J. D., Erdmann, N. B., Brosnahan, S. B., Lee-Iannotti, et al
2025; 8 (1): e2455430
- **Post-COVID-19 Vaccination and Long COVID: Insights from Patient-Reported Data.** *Vaccines*
Quach, T. C., Miglis, M. G., Tian, L., Bonilla, H., Yang, P. C., Grossman, L., Paleru, A., Xin, V., Tiwari, A., Shafer, R. W., Geng, L. N.
2024; 12 (12)
- **2024 Update of the RECOVER-Adult Long COVID Research Index.** *JAMA*
Geng, L. N., Erlandson, K. M., Hornig, M., Letts, R., Selvaggi, C., Ashktorab, H., Atieh, O., Bartram, L., Brim, H., Brosnahan, S. B., Brown, J., Castro, M., Charney, et al
2024
- **Post-COVID-19 Vaccination and Long COVID: Insights from Patient-Reported Data** *VACCINES*
Quach, T. C., Miglis, M. G., Tian, L., Bonilla, H., Yang, P. C., Grossman, L., Paleru, A., Xin, V., Tiwari, A., Shafer, R. W., Geng, L. N.
2024; 12 (12)
- **IGLON5 Frequency in Idiopathic REM Sleep Behavior Disorder: A Multicenter Study.** *Neurology(R) neuroimmunology & neuroinflammation*
Postuma, R., Vorasoot, N., St Louis, E. K., Pelletier, A., Lim, M. M., Elliott, J., Gagnon, J. F., Gan-Or, Z., Forsberg, L. K., Fields, J. A., Ross, O. A., Singer, W., Huddlestone, et al
2024; 11 (6): e200311
- **Intrasubject reproducibility of supine norepinephrine plasma concentrations in patients with cardiovascular sympathetic failure.** *Autonomic neuroscience : basic & clinical*
Carrozzo, G., Miglis, M. G., Contin, M., Cani, I., Cortelli, P., Guaraldi, P., Calandra-Buonaura, G.
2024; 256: 103216
- **Cognitive, motor, and autonomic function among individuals with serotonergic versus isolated REM sleep behavior disorder.** *Sleep*
Reddy, N. V., Berns, M., Berns, R., Olson, H., Cui, E., Miglis, M. G., Postuma, R., Boeve, B., Ju, Y. E., Howell, M.
2024
- **Differentiation of Prior SARS-CoV-2 Infection and Postacute Sequelae by Standard Clinical Laboratory Measurements in the RECOVER Cohort.** *Annals of internal medicine*
Erlandson, K. M., Geng, L. N., Selvaggi, C. A., Thaweethai, T., Chen, P., Erdmann, N. B., Goldman, J. D., Henrich, T. J., Hornig, M., Karlson, E. W., Katz, S. D., Kim, C., Cribbs, et al
2024
- **Nirmatrelvir-Ritonavir and Symptoms in Adults With Postacute Sequelae of SARS-CoV-2 Infection: The STOP-PASC Randomized Clinical Trial.** *JAMA internal medicine*
Geng, L. N., Bonilla, H., Hedlin, H., Jacobson, K. B., Tian, L., Jagannathan, P., Yang, P. C., Subramanian, A. K., Liang, J. W., Shen, S., Deng, Y., Shaw, B. J., Botzheim, et al
2024

- **Is it time to move beyond blood pressure and heart rate during head-up tilt testing?** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Syed, N., Cortez, M. M., Viser, F. C., van Campen, C. L., Novak, P.
2024
- **Skin Biopsy Detection of Phosphorylated α -Synuclein in Patients With Synucleinopathies.** *JAMA*
Gibbons, C. H., Levine, T., Adler, C., Bellaire, B., Wang, N., Stohl, J., Agarwal, P., Aldridge, G. M., Barboi, A., Evidente, V. G., Galasko, D., Geschwind, M. D., Gonzalez-Duarte, et al
2024
- **Phenoconversion in pure autonomic failure: a multicentre prospective longitudinal cohort study.** *Brain : a journal of neurology*
Millar Vernetti, P., Norcliffe-Kaufmann, L., Palma, J. A., Biaggioni, I., Shibao, C. A., Peltier, A., Freeman, R., Gibbons, C., Goldstein, D. S., Low, P. A., Singer, W., Coon, E. A., Miglis, et al
2024
- **Validation of the RBD Symptom Severity Scale in the North American Prodromal Synucleinopathy Consortium.** *Neurology*
Choudhury, P., Lee-Iannotti, J. K., Buscescu, A. O., Rangan, P., Fantini, M. L., Avidan, A. Y., Bliwise, D. L., Criswell, S. R., During, E. H., Elliott, J. E., Fields, J. A., Gagnon, J. F., Howell, et al
2024; 102 (3): e208008
- **PRELIMINARY DATA ON THE PRODROMAL SYNUCLEINOPATHY RATING SCALE AMONG PATIENTS WITH REM SLEEP BEHAVIOR DISORDER**
Boeve, B., Bui, Q., De La Cruz, H., Avidan, A., Bliwise, D., Campbell, M., Criswell, S., Davis, A., Elliott, J., Ehgoetz-Martens, K., Ferman, T., Fields, J., Forsberg, et al
ELSEVIER.2024: 304-305
- **Comorbid neurotrauma increases neurodegenerative-relevant cognitive, motor, and autonomic dysfunction in patients with REM sleep behavior disorder: A substudy of the North American Prodromal Synucleinopathy Consortium.** *Sleep*
Elliott, J. E., Ligman, B. R., Bryant-Ekstrand, M. D., Keil, A. T., Powers, K., Olivo, C., Neilson, L., Postuma, R. B., Pelletier, A., Gagnon, J. F., Gan-Or, Z., Yu, E., Liu, et al
2024
- **New Alcohol Sensitivity in Patients With Post-acute Sequelae of SARS-CoV-2 (PASC): A Case Series.** *Cureus*
Eastin, E. F., Tiwari, A., Quach, T. C., Bonilla, H. F., Miglis, M. G., Yang, P. C., Geng, L. N.
2023; 15 (12): e51286
- **Prospective association of occupational and leisure-time physical activity with orthostatic blood pressure changes in older adults** *SCIENTIFIC REPORTS*
Kujawska, A., Kujawski, S., Dani, M., Miglis, M. G., Hallman, D. M., Fudim, M., Soysal, P., Husejko, J., Hajec, W., Skierkowska-Kruszynska, N., Kwiatkowska, M., Newton, J. L., Zalewski, et al
2023; 13 (1)
- **Prospective association of occupational and leisure-time physical activity with orthostatic blood pressure changes in older adults.** *Scientific reports*
Kujawska, A., Kujawski, S., Dani, M., Miglis, M. G., Hallman, D. M., Fudim, M., Soysal, P., Husejko, J., Hajec, W., Skierkowska-Kruszyńska, N., Kwiatkowska, M., Newton, J. L., Zalewski, et al
2023; 13 (1): 20704
- **Frequency of Orthostatic Hypotension in Isolated REM Sleep Behavior Disorder: The North American Prodromal Synucleinopathy Cohort.** *Neurology*
Elliott, J., Bryant-Ekstrand, M. D., Keil, A. T., Ligman, B. R., Lim, M. M., Zitser, J., During, E. H., Gagnon, J. F., St Louis, E. K., Fields, J. A., Huddleston, D. E., Bliwise, D. L., Avidan, et al
2023
- **Low-dose naltrexone use for the management of post-acute sequelae of COVID-19.** *International immunopharmacology*
Bonilla, H., Tian, L., Marconi, V. C., Shafer, R., McComsey, G. A., Miglis, M., Yang, P., Bonilla, A., Eggert, L., Geng, L. N.
2023; 124 (Pt B): 110966
- **Images: Benign myoclonus of sleep associated with K-complexes on EEG.** *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*
Silverman, A., Miglis, M. G., Gallentine, W.

2023

- **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
- **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., Jaradeh, S., Neshatian, L.
2023
- **The Synuclein-One Study: Skin Biopsy Detection of Phosphorylated alpha-synuclein for Diagnosis of the Synucleinopathies**
Gibbons, C., Bellaire, B., Wang, N., Freeman, R., Adler, C., Miglis, M., Isaacson, S., Evidente, V., Soileau, M., Gudesblatt, M., Lamotte, G., Kumar, R., Petrossian, et al
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Neurogenic Orthostatic Hypotension is Common in Isolated REM Sleep Behavior Disorder**
Miglis, M., Lim, M. M., Zitser, J., During, E., Bliwise, D., Huddleston, D., Howell, M., St Louis, E., Gagnon, J., Videnovic, A., Avidan, A., Schenck, C., Postuma, et al
LIPPINCOTT WILLIAMS & WILKINS.2023
- **Sodium Oxybate in Treatment-Resistant REM Sleep Behavior Disorder.** *Sleep*
During, E. H., Hernandez, B., Miglis, M. G., Sum-Ping, O., Hekmat, A., Cahuas, A., Ekelmans, A., Yoshino, F., Mignot, E., Kushida, C. A.
2023
- **Myalgic Encephalomyelitis/Chronic Fatigue Syndrome is common in post-acute sequelae of SARS-CoV-2 infection (PASC): Results from a post-COVID-19 multidisciplinary clinic.** *Frontiers in neurology*
Bonilla, H., Quach, T. C., Tiwari, A., Bonilla, A. E., Miglis, M., Yang, P. C., Eggert, L. E., Sharifi, H., Horomanski, A., Subramanian, A., Smirnov, L., Simpson, N., Halawi, et al
2023; 14: 1090747
- **Baseline characteristics of the North American prodromal Synucleinopathy cohort.** *Annals of clinical and translational neurology*
Elliott, J. E., Lim, M. M., Keil, A. T., Postuma, R. B., Pelletier, A., Gagnon, J., St Louis, E. K., Forsberg, L. K., Fields, J. A., Huddleston, D. E., Bliwise, D. L., Avidan, A. Y., Howell, et al
2023
- **Autonomic Dysfunction in the Central Nervous System Hypersomnias** *CURRENT SLEEP MEDICINE REPORTS*
Miglis, M. G.
2023
- **Development of a Definition of Postacute Sequelae of SARS-CoV-2 Infection.** *JAMA*
Thaweethai, T., Jolley, S. E., Karlson, E. W., Levitan, E. B., Levy, B., McComsey, G. A., McCorkell, L., Nadkarni, G. N., Parthasarathy, S., Singh, U., Walker, T. A., Selvaggi, C. A., Shinnick, et al
2023
- **AUTONOMIC REFLEX TESTING CONFIRMS AUTONOMIC DISTURBANCES IN A COHORT OF PATIENTS WITH IDIOPATHIC HYPERSOMNIA**
Koren, J., Aviv, R., Chiaro, G., Guaraldi, P., Miglis, M. G.
ELSEVIER.2022: S102
- **Imaging in autonomic failure: a window into real-time physiological mechanisms and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2022
- **High Resolution Anorectal Manometry Findings in Men and Women With Parkinson's Disease, Using London Classification**
Zhou, W., Sinn, D., Jaradeh, S., Muppidi, S., Miglis, M., Triadafilopoulos, G., Halawi, H., Becker, L., Garcia, P., Nguyen, L., Neshatian, L.
LIPPINCOTT WILLIAMS & WILKINS.2022: S407-S408
- **Comparison of Gastrointestinal Symptoms and Gastric Emptying Scintigraphy Between Postural Orthostatic Tachycardia Patients With and Without Small Fiber Neuropathy**

Zhou, W., Sinn, D., Jaradeh, S., Muppidi, S., Miglis, M., Neshatian, L., Nguyen, L.
LIPPINCOTT WILLIAMS & WILKINS.2022: S408-S409

- **Multi-Disciplinary Collaborative Consensus Guidance Statement on the Assessment and Treatment of Autonomic Dysfunction in Patients with Post-Acute Sequelae of SARS-CoV-2 Infection (PASC).** *PM & R : the journal of injury, function, and rehabilitation*
Blitshteyn, S., Whiteson, J., Abramoff, B., Azola, A., Bartels, M. N., Bhavaraju-Sanka, R., Chung, T., Fleming, T. K., Henning, E., Miglis, M. G., Sampsel, S., Silver, J. K., Tosto, et al
2022
- **POTS May Be Underestimated in Post-COVID Assessments.** *Journal of the American College of Cardiology*
Miglis, M. G., Stiles, L. E., Raj, S. R.
2022; 80 (13): e103
- **Autonomic function testing in multiple system atrophy: a prognostic biomarker? and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, S.
2022
- **Implantable neurostimulators for neurogenic orthostatic hypotension: the wave of the future? and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2022
- **AUTONOMIC REFLEX TESTING CONFIRMS AUTONOMIC DISTURBANCES IN A COHORT OF PATIENTS WITH IDIOPATHIC HYPERSOMNIA**
Aviv, R., Zitser, J., Miglis, M., Chiaro, G., Guaraldi, P.
OXFORD UNIV PRESS INC.2022: A178
- **A case series of cutaneous phosphorylated alpha-synuclein in Long-COVID POTS.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Seliger, J., Shaik, R., Gibbons, C. H.
2022
- **Mechanisms of post-prandial symptoms in postural tachycardia syndrome and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2022
- **Inappropriate sinus tachycardia in long-COVID and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2022
- **Characterization of autonomic symptom burden in long COVID: A global survey of 2,314 adults.** *Frontiers in neurology*
Larsen, N. W., Stiles, L. E., Shaik, R., Schneider, L., Muppidi, S., Tsui, C. T., Geng, L. N., Bonilla, H., Miglis, M. G.
2022; 13: 1012668
- **The 2021 Nobel Prize in Medicine and its relevance to autonomic medicine and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2021
- **Biomarkers of conversion to alpha-synucleinopathy in isolated rapid-eye-movement sleep behaviour disorder.** *The Lancet. Neurology*
Miglis, M. G., Adler, C. H., Antelmi, E., Arnaldi, D., Baldelli, L., Boeve, B. F., Cesari, M., Dall'Antonia, I., Diederich, N. J., Doppler, K., Dusek, P., Ferri, R., Gagnon, et al
2021; 20 (8): 671-684
- **Biomarkers of conversion to alpha-synucleinopathy in isolated rapid-eye-movement sleep behaviour disorder** *LANCET NEUROLOGY*
Miglis, M. G., Adler, C. H., Antelmi, E., Arnaldi, D., Baldelli, L., Boeve, B. F., Cesari, M., Dall'Antonia, I., Diederich, N. J., Doppler, K., Dusek, P., Ferri, R., Gagnon, et al
2021; 20 (8): 671-684

- **Cutaneous Alpha-Synuclein is Correlated with Autonomic Impairment in Isolated REM Sleep Behavior Disorder.** *Sleep*
Miglis, M. G., Zitser, J., Schneider, L., During, E., Jaradeh, S., Freeman, R., Gibbons, C. H.
2021
- **Holiday heart syndrome: do not drink during this holiday! and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2021
- **Preparing for the long-haul: Autonomic complications of COVID-19.** *Autonomic neuroscience : basic & clinical*
Larsen, N. W., Stiles, L. E., Miglis, M. G.
2021; 235: 102841
- **Postural orthostatic tachycardia syndrome (POTS): Priorities for POTS care and research from a 2019 National Institutes of Health Expert Consensus Meeting - Part 2.** *Autonomic neuroscience : basic & clinical*
Raj, S. R., Bourne, K. M., Stiles, L. E., Miglis, M. G., Cortez, M. M., Miller, A. J., Freeman, R., Biaggioni, I., Rowe, P. C., Sheldon, R. S., Shibus, C. A., Diedrich, A., Systrom, et al
2021: 102836
- **Postural orthostatic tachycardia syndrome (POTS): State of the science and clinical care from a 2019 National Institutes of Health Expert Consensus Meeting - Part 1.** *Autonomic neuroscience : basic & clinical*
Vernino, S., Bourne, K. M., Stiles, L. E., Grubb, B. P., Fedorowski, A., Stewart, J. M., Arnold, A. C., Pace, L. A., Axelsson, J., Boris, J. R., Moak, J. P., Goodman, B. P., Chemali, et al
2021: 102828
- **Do not sweat it: we test while you rest and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.
2021
- **Cutaneous Alpha-Synuclein is Correlated with Autonomic Impairment in Isolated REM Sleep Behavior Disorder**
Miglis, M., Zitser-Koren, J., Rajan, S., During, E., Schneider, L., Jaradeh, S., Freeman, R., Gibbons, C.
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Towards more evidenced-based therapies for postural tachycardia syndrome and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, S.
2021
- **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
- **Myasthenia Symptom Burden, Fatigue, and Sleep: Are They Related?** *Journal of clinical neuromuscular disease*
Yang, S., Miglis, M. G., Jaradeh, S., Muppidi, S.
2021; 22 (3): 123–28
- **RT-QuIC in multiple system atrophy: the biomarker of the future? and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, 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
- **The shock of it: sympathetic activation promotes hair greying, and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Larsen, N., Muppidi, S.

2020

- **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
- **Response to post-COVID-19 chronic symptoms: a post-infectious entity?** *Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases*
Miglis, M. G., Goodman, B. P., Chemali, K. R., Stiles, L.
2020
- **Can skin biopsy differentiate Parkinson disease from multiple system atrophy? And other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, S.
2020
- **The quest for biomarkers in postural tachycardia syndrome and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, 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
- **Synuclein in red blood cells: a potential biomarker for multiple system atrophy, and other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, S.
2020
- **The role of tissue biopsy as a biomarker in REM sleep behavior disorder.** *Sleep medicine reviews*
Zitser, J., Gibbons, C., Miglis, M. G.
2020; 51: 101283
- **Frequency and Severity of Autonomic Symptoms in Idiopathic Hypersomnia.** *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*
Miglis, M. G., Schneider, L., Kim, P., Cheung, J., Trotti, L. M.
2020
- **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
- **Is postural tachycardia syndrome an autoimmune disorder? And other updates on recent autonomic research.** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G., Muppidi, S.
2020
- **Autonomic impairment in sleep: An introduction to the special edition.** *Autonomic neuroscience : basic & clinical*
Calandra-Buonaura, G. n., Cortelli, P. n., Miglis, M. n., Palma, J. A.
2020; 224: 102638
- **Effect of artificial dawn light on cardiovascular function, alertness, and balance in middle-aged and older adults.** *Sleep*
Gabel, V. n., Miglis, M. n., Zeitzer, J. M.
2020
- **Autonomic impairment in REM sleep behavior disorder: a potential biomarker of phenoconversion?** *Clinical autonomic research : official journal of the Clinical Autonomic Research Society*
Miglis, M. G.

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