AAS
ANNUAL MEETING
2026: CALIFORNIA

NOVEMBER 10-14, 2026 | PARADISE POINT, SAN DIEGO, CALIFORNIA

37TH INTERNATIONAL SYMPOSIUM ON THE AUTONOMIC NERVOUS SYSTEM

38TH INTERNATIONAL SYMPOSIUM ON THE AUTONOMIC NERVOUS SYSTEM

NOVEMBER 2-6, 2027 | OPAL SOL, CLEARWATER BEACH, FLORIDA

AAS

ANNUAL MEETING
2026: CALIFORNIA

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SPEAKERS

STREETEN LECTURE
André Diedrich, MD, PhD

LOW LECTURE
Thomas Chelimsky, MD

MSA LECTURE
Vikram Khurana, MD, PhD

BURNSTOCK LECTURE
Anthony Ford, PhD

ROBERTSON LECTURE
Debra Weese-Mayer, MD

MEETING#	YEAR	VENUE
1	1990	Nashville, Tennessee
2	1991	Nashville, Tennessee
3	1992	Nashville, Tennessee
4	1993	Nashville, Tennessee
5	1994	Rochester, Minnesota
6	1995	Phoenix, Arizona
7	1996	Montreal, Quebec, Canada
8	1997	Honolulu, Hawaii
9	1998	Ft. Myers, Florida
10	1999	Kohala Coast, the Big Island, Hawaii
11	2000	Rio Grande, Puerto Rico
12	2001	Palm Springs, California
13	2002	Hilton Head Island, South Carolina
14	2003	St. Thomas, U.S. Virgin Islands
15	2004	Amsterdam, The Netherlands
16	2005	Los Cabos, Mexico
17	2006	Rio Grande, Puerto Rico
18	2007	Vienna, Austria
19	2008	Kauai, Hawaii
20	2009	St. Thomas, U.S. Virgin Islands
21	2010	Marco Island, Florida
22	2011	Buzios, Brazil
23	2012	Paradise Island, Bahamas
24	2013	Kohala Coast, the Big Island, Hawaii
25	2014	Rio Grande, Puerto Rico
26	2015	Stresa, Italy
27	2016	San Diego, California
28	2017	Clearwater Beach, Florida
29	2018	Newport Beach, California
30	2019	Clearwater Beach, Florida
31	2020	Virtual Meeting
32	2021	Virtual Meeting
33	2022	Maui, Hawaii
34	2023	Río Grande, Puerto Rico
35	2024	Santa Barbara, California
36	2025	Clearwater Beach, Florida
37	2026	San Diego, California

AMERICAN AUTONOMIC SOCIETY

This Society began informally in 1990 at Vanderbilt University, Tennessee. Important motive forces for the initial meeting were Dr. David Robertson and Ms. Dorothy Trainor-Kingsbury (Shy-Drager Support Group). The Society was formally established in 1992, and Dr. Robertson became its first president. The broad aim of this Society is to provide a vehicle for investigators and clinicians interested in the autonomic nervous system to interact. It aims to promote research, education, and academic practice in the autonomic disorders. The Society has escalated in its membership, successfully obtained tax-exempt status, adopted a formal charter, and has its own journal (Clinical Autonomic Research). The Society has an American infrastructure but a strongly international character. Its membership is open to persons of all countries who share the same interests.

Continuing Medical Education:

THANK YOU FOR ATTENDING THE 37TH INTERNATIONAL SYMPOSIUM ON THE AUTONOMIC NERVOUS SYSTEM.

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint providership of The University of Texas Southwestern Medical Center and the American Autonomic Society. The University of Texas Southwestern Medical Center is accredited by the ACCME to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT:

The University of Texas Southwestern Medical Center designates this live activity for a maximum of **19.5** *AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

PRESIDENTS:

1992, 1993	David Robertson, M.D.
1994, 1995	Phillip A. Low, M.D.
1996	David H. P. Streeten, M.B., D.Phil.
1997, 1998	Irwin J. Schatz, M.D.
1999, 2000	Roy Freeman, M.D.
2001, 2002	Felicia Axelrod, M.D.
2003, 2004	Eduardo Benarroch, M.D., D.Sci.
2005, 2006	Horacio Kaufmann, M.D.
2007, 2008	Italo Biaggioni, M.D.
2009, 2010	Mark Chapleau, Ph.D.
2011, 2012	Michael Joyner, M.D.
2013, 2014	Thomas Chelimsky, M.D.
2015, 2016	Christopher Gibbons, M.D.
2017, 2018	William P. Cheshire, M.D.
2019, 2020	Satish R. Raj, M.D., M.S.C.I.
2021, 2022	Steven Vernino, M.D., Ph.D.
2023, 2024	Wolfgang Singer, M.D.
2025, 2026	Amanda Peltier, M.D.

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Steven Vernino, M.D., Ph.D.

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AAS COMMITTEES

The American Autonomic Society would like to thank the following AAS committee members for their outstanding contributions:

EDUCATION COMMITTEE

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Dr. Elizabeth Coon
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Dr. Philip Fischer
Ms. Kelly Freeman
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Dr. Nicholas Larsen
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Dr. Alexandru Barboi
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Dr. Rasna Sabharwal
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Dr. David Sletten
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Dr. Victoria Claydon
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Dr. Paul Beach
Dr. Victoria Claydon
Dr. Janice Gilden
Dr. Katherine Longardner
Dr. Marvin Medow
Dr. Aaron Phillips
Dr. Ryan Solinsky
Dr. Debra Weese-Mayer
Dr. Erika Williams

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Dr. Mitchell Miglis
Dr. Satish Raj
Dr. Wolfgang Singer
Dr. David Sletten

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Dr. Amanda Peltier

DEVELOPMENT COMMITTEE

Dr. Glen Cook (Chair)
Dr. Amanda Peltier

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Dr. Steven Vernino

COMMUNICATIONS COMMITTEE

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TRAINEE COMMITTEE

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Ms. Erin Williams (Co-Chair)
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Ms. Rebekah Lee
Dr. Ricardo Alejandro Vivanco Menoscal
Dr. Grace (Jee Eun) Oh
Ms. Samreen Randhawa
Dr. Pradeep Sahu
Dr. Sabine Schneider
Dr. Ziba Taherzadeh
Dr. Jonathan Trout
Miss Pearl Waraich

AAS SECTIONS & SPECIAL INTEREST GROUPS

The American Autonomic Society Sections and Special Interest Groups are open to all AAS members in good standing. If you are interested in joining, please contact the group chair:

PEDIATRIC DYSAUTONOMIA SECTION

Dr. Debra Weese-Mayer (Chair)
d-weese-mayer@northwestern.edu

POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) SECTION

Dr. Howard Snapper (Chair)
Howard.Snapper@wellstar.org

ADVANCED PRACTICE PROVIDERS (APP) SIG

Ms. Erin Marriott (Chair)
emarriott@uwhealth.org

WOMEN IN AUTONOMICS SIG

Dr. Amanda Peltier (Chair)
amanda.peltier@vumc.org

TUESDAY, NOVEMBER 10, 2026

5:30-7:00 PM Trainee Meet and Greet

Autonomic Practice Playbook: Exploring Models of Care
Course Director: Ratna Bavaraju-Sanka • **6:00-9:00 PM**

Introduction: David Goldstein, M.D., Bethesda, MD, USA

Academic practice: Safwan Jaradeh, M.D., Palo Alto, CA, USA

Academic practice: Nathaniel Robbins, M.D., Boston, MA, USA

Private practice: Howard Snapper, M.D., Atlanta, GA, USA

Private practice: Craig Coleby, M.D.

Integrating APPs into practice: Brittany Jorgensen, FNP-C, Riverton, UT, USA

Non-traditional models of practice: Jeffrey Boris, M.D., Moylan, PA, USA

Fostering interdisciplinary collaboration: Christina Kokorelis, M.D., Baltimore, MD, USA

Q&A/panel

WEDNESDAY, NOVEMBER 11, 2026

7:30 AM • Registration desk opens

7:30-12:00 PM • Poster presenters hang posters

7:30-3:45 PM • Exhibitors

12:00-8:30 PM • Posters on display

3:45-5:30 PM • Free time

7:00-8:00 AM • Industry Symposium Breakfast or Breakfast on Your Own

7:30-8:20 AM • Registration

8:20-8:30 AM • President's Welcome • Amanda Peltier, M.D. • President, American Autonomic Society

8:30-9:30 AM • Plenary Lecture 1: Streeten Plenary Lecture • Volume, vasoconstriction, and vagus in postural tachycardia • syndrome • Andre Diedrich, M.D., Ph.D. • Nashville, TN, USA • Chair: Amanda Peltier

9:30-10:30 AM • Plenary Lecture 2: Phillip Low Plenary Lecture • Would the real POTS please stand up? • Thomas Chelimsky, M.D. • Richmond, VA, USA • Chair: Ronald Schondorf

10:30-11:00 AM • Exhibit Hall Coffee Break

11:00 AM-12:00 PM • **Case-Based Discussion: Ultimate Autonomic Challenge** • Chair: Abdullah Sarkar • Moderators: Satish Raj and Eduardo Benarroch

12:00-1:00 PM • **AAS-Provided Lunch**

Mentorship Program Meet-up (at reserved tables) (open to all members)

Symposium 1: Interventional Neuromodulation in Dysautonomia: Clinical Foundations and Emerging Therapies • Chairs: Mitchell Miglis and Anna Maria Bombardieri • **1:00-2:15 PM** • *Parallel session*

Stellate ganglion block as targeted sympathetic modulation in POTS and related disorders • Anna Maria Bombardieri, M.D., Ph.D., M.Sc. • Stanford, CA, USA

Vagus nerve stimulation in autonomic and inflammatory disorders: mechanisms and clinical applications • Stavros Stavrakis, M.D., Ph.D. • Oklahoma City, OK, USA

Invasive and non-invasive spinal cord stimulation: applications for autonomic disorders • Jordan Lee, Ph.D. • Calgary, AB, Canada

Symposium 2: Interoception: The Basic Science and Clinical Relevance of Body-to-Brain Sensory Systems • Chairs: Erika Williams and Paul Beach **1:00-2:15 PM** • *Parallel session*

The heart brain axis: from sensation to control • Rui Chang, Ph.D. • New Haven, CT, USA

Molecularly-defined pathways of airway sensations • Michael Schappe, Ph.D. • Urbana, IL, USA

A human perspective on interoception • Sahib Khalsa, M.D., Ph.D. • Los Angeles, CA, USA

2:15-2:30 PM • Exhibit Hall Transitional Break

Session 1: Orthostatic Hypotension, Supine Hypertension, and Syncope • Chairs: Elizabeth Coon and Grace Oh • **2:30-3:45 PM** • *Parallel session*

2:30-2:45 PM • **Streeten Travel Fellowship Award:** CO2 rebreathing as a therapeutic option for neurogenic orthostatic hypotension • P. Giri, J. Baker, P. Deol, B. Paul, R. Hira, R.S. Sheldon, S.R. Raj • Calgary, AB, Canada • (Virtual Poster #43)

2:45-3:00 PM • Cerebral hypoperfusion occurs in neurogenic orthostatic hypotension regardless of symptom presence • P.A. Beach, B. Kern, G.G. Martins, E.M. Buckley • Atlanta, GA, USA • (Virtual Poster #9)

3:00-3:15 PM • Relative hemodynamic responses underlying blood pressure regulation during active stand and head-up-tilt testing in transient immediate orthostatic hypotension • B. Paul, C. Saleh, D. Gama de Matos, P. Giri, W. Alam, R. Hira, K. Karalasingham, R.S. Sheldon, S.R. Raj • Calgary, AB, Canada • (Virtual Poster #96)

3:15-3:30 PM • Long-term outcomes and management of labile hypertension in head and neck cancer survivors • A. Sarkar, S. Muppidi, S.M. Kodiliniye, M. Miglis, N. Larsen, I. Krugomova, S. Jaradeh, D. Sinn • Stanford, CA, USA • (Virtual Poster #107)

3:30-3:45 PM • Characterizing dysautonomia in patients with cardiac ATTR amyloidosis • B. Tijero Merino, J. Alvarez-Cardona, C.Y. Chen, A. Barnett, K. Dalamo, P. Millar Vernetti, A. Reyentovich, A. Gonzalez-Duarte • New York, NY, USA • (Virtual Poster #50)

Session 2: Long COVID/MECFS-3 • Chairs: Howard Snapper and Sahla Hammad
2:30-3:45 PM • *Parallel session*

2:30-2:45 PM • Long COVID-associated POTS demonstrates enhanced baroreflex sensitivity and cardiovagal modulation compared with classic POTS • T.X. Solis-Montenegro, P.E. Mehr, A. Diedrich, S. Kulapatana, M. Vinayagam, M.A. Abd-Eldayem, C.A. Shibao • Nashville, TN, USA • (Virtual Poster #115)

2:45-3:00 PM • Primary results of intravenous immunoglobulin versus placebo for Long COVID postural orthostatic tachycardia syndrome: a randomized clinical trial • T. Chung, P.R. Taub, C.A. Shibao, K.O. Zimmerman, M. Fudim, S.M. O'Brien, H.Z. Fissler, O.V. Moy, Y. Rosenberg, J. Wen, N.L.B. Freeman, J. Hervey, C.B. Granger, P. Novak; for the RECOVER-AUTONOMIC Clinical Trial Group • Boston, MA, USA • (Virtual Poster #94)

3:00-3:15 PM • Orthostatic intolerance in Long COVID in the RECOVER adult cohort • S.I. Leonard, T. Mei, K. Chemali, S. Jones, H. Bonilla, C. Maughan, R. DeRosa, N. Jain, T. Walker, RECOVER Initiative Consortium Authors • New York, NY, USA • (Virtual Poster #74)

3:15-3:30 PM • Autonomic dysfunction in Long COVID with and without myalgic encephalomyelitis/chronic fatigue syndrome • A. Kontaxakis, I. Valani, G.R. Mejia, J. Ramprashad, S. Jaradeh, M. Miglis, H.F. Bonilla • Palo Alto, CA, USA • (Virtual Poster #89)

3:30-3:45 PM • Longitudinal characterization of cardiac autonomic dysfunction in Long-COVID • L. Lopedote, B. Cairo, R. Furlan, S. Rigo, L. Rinaldi, A. Porta, D. Loiacono, F. Barbic • Rozzano, Italy • (Virtual Poster #80)

3:45-5:30 PM • Free Time

5:30-7:00 PM • **Poster Session I and Trainee Poster Competition (wine & cheese)** (not for CME credit) • Poster #s: 16, 18, 21, 23, 25, 26, 28, 30, 31, 32, 44, 52, 57, 60, 70, 72, 84, 91, 92, 97, 98, 99, 102, 103, 105, 106, 108, 110, 114, 117, 127, 129, 132, 135, 136, 137, 138, 140, 141, 146, 147, 149, 160 • Non-Trainee: 3, 4, 5, 10, 48, 61, 73, 86, 87, 112, 120, 121, 122, 155, 158

7:00 PM • **Adjourn for the Evening**

THURSDAY, NOVEMBER 12, 2026

7:00-12:00 PM • **Poster presenters hang posters**

8:00-3:00 PM • **Exhibitors**

12:00-8:30 PM • **Posters on display**

3:00-7:00 PM • **Free time**

7:00-8:00 AM • **Industry Symposium Breakfast or Breakfast on Your Own**

7:30-8:30 AM • **Registration**

Symposium 3: MCAS and the Impact on Autonomic Function • Chairs: Howard Snapper and Hope Breitbach • **8:30-9:45 AM** • *Parallel session*

Mast cell biology and dysregulation: implications for systemic disease • Tania Dempsey, M.D. • Purchase, NY, USA

Mast cells and the autonomic nervous system: mechanisms of neuroimmune interaction • Laura Pace, M.D., Ph.D. • Salt Lake City, UT, USA

Multisystem presentations: diagnostic and therapeutic challenges in overlapping syndromes • Jeffrey Boris, M.D. • Moylan, PA, USA

Symposium 4: The Future of Treatment and Diagnosis in Amyloidosis • Chairs: Amanda Peltier and Alejandra Gonzalez-Duarte • **8:30-9:45 AM** • *Parallel session*

New treatments on the horizon • Amanda Peltier, M.D. • Nashville, TN, USA

Improvement in autonomic symptoms with gene silencers in TTR amyloidosis • Alejandra Gonzalez-Duarte, M.D. • New York, NY, USA

Cutaneous neuropathological updates in ATTR amyloidosis after gene silencing therapy • Christopher Gibbons • Boston, MA, USA

9:45-10:15 AM • Exhibit Hall Coffee Break

Session 3: Autonomic Failure: Synucleinopathies (not for CME credit) • Chairs: Horacio Kaufmann and Kamal Shouman • **10:15-11:30 AM** • *Parallel session*

10:15-10:30 AM • Safety, tolerability, and preliminary efficacy of ONO-2808, a sphingosine-1-phosphate receptor 5 agonist, in multiple system atrophy • S.H. Isaacson, A. Wills, A. Takeda, S. Perlman, T. Oeda, C. Singer, D.D. Truong, P. Khemani, P. Dayalu, P. Agarwal, B.K. Changizi, P. Millar Vernetti, K. Toyooka, N. Owens, O.U. Elci, L. Lin, R. Higashi, A. Nishimura, J. Luo, U.S. Sohur, R. Pahwa, P.A. LeWitt, N.R. McFarland • Boca Raton, FL, USA • (Virtual Poster #55)

10:30-10:45 AM • Randomized double-blind placebo-controlled trial of intrathecally administered autologous mesenchymal stem cells in multiple system atrophy • W. Singer, K. Shouman, J. Mandrekar, J.K. Anderson, M.D. Suarez, D.M. Sletten, A.B. Dietz, P. Vemuri, A.M. Schmeichel, T.L. Gehrking, J.A. Gehrking, E.A. Coon, P. Sandroni, N.P. Staff, W.D. Dupont, P.A. Low • Rochester, MN, USA • (Virtual Poster #118)

10:45-11:00 AM • **The Don Summers Memorial MSA Travel Fellowship Award:** Predictors of phenoconversion in pure autonomic failure: a systematic review and meta-analysis • S. Massucco, E.A. Coon, V. Donadio, H. Kaufmann, C. Gibbons, P. Narayanaswami*, R. Freeman* • Boston, MA, USA • (Virtual Poster #83)

11:00-11:15 AM • A phase 2a study of CST-3056: a novel, selective, CNS-penetrant alpha 1A-adrenoceptor partial agonist for treatment of neurogenic orthostatic hypotension • R. Martin, P. Ortiz, Y. Vance, B. Black, P. Butera, J. Reynolds, A. Ford, I. Biaggioni, G. Vargas • San Carlos, CA, USA • (Virtual Poster #65)

11:15-11:30 AM • Pure autonomic failure: a peripheral neurodegenerative disease • R. Freeman, T. Levine, J. Parent, S. Marcotte, B. Bellaire, M. Duval, C. Gibbons • Boston, MA, USA • (Virtual Poster #35)

Session 4: Cardiovascular Disease, Autonomic Regulation • Chairs: Brian Olshansky and Abdullah Sarkar • **10:15-11:30 AM** • *Parallel session*

10:15-10:30 AM • Influence of antidepressant therapy on sympathetic activity and systemic inflammation in older women with HFpEF • Q. Fu, J.D. Akins, S.L. Hissen, R. Takeda, J.P. MacNamara, S. Sarma, C.M. Hearon Jr., T.G. Babb, B.D. Levine, P.J. Fadel • Dallas, TX, USA • (Virtual Poster #38)

10:30-10:45 AM • The influence of early-menopause on sympathetic transduction to blood pressure in older, postmenopausal females • M.F. Anselmo, E.J. Lee, W.H. Stokes, S.C. Nathe, C.T. Tahsin, S. Teshome, J.A. Bigalke, D.A. Lowe, M.L. Vanden Noven, J.R. Carter, M.L. Keller-Ross • Minneapolis, MN, USA • (Virtual Poster #1)

10:45-11:00 AM • Mitral subvalvular remodeling in hypermobile Ehlers-Danlos syndrome-associated postural tachycardia syndrome • L. Klösges, D. Gerlach, F. Fischer, T. Barth, J. Jordan, J. Tank, A. Maier • Cologne, Germany • (Virtual Poster #64)

11:00-11:15 AM • Clinical and autonomic profile of individuals with non-neurogenic orthostatic hypotension: a comprehensive retrospective single center study • D. Bauer, M. Cortez, G. Lamotte • Salt Lake City, UT, USA • (Virtual Poster #67)

11:15-11:30 AM • Anatomical remodeling of the autonomic innervation in normal and heart-failure rats • D. Nguyen, J. Ma, A.M. Kwiat, D. Patel, E. Liu, K. Barton, A. Bizanti, Y. Li, Z.J. Cheng • Orlando, FL, USA • (Virtual Poster #93)

11:30-12:00 PM • Exhibit Hall Transitional Break

12:00-1:00 PM • **AAS-Provided Lunch and Symposium:** Challenges in Diagnosing Early MSA • Chair: Mitchell Miglis

Case 1: Mitchell Miglis, M.D., Palo Alto, CA, USA
Case 2: Patricio Millar Vernetti, M.D., New York, NY, USA
Case 3: Elizabeth Coon, M.D., Rochester, MN, USA
Case 4: Paul Beach, D.O., Atlanta, GA, USA
Q&A

1:00-2:00 PM • **Plenary Lecture 3: MSA Plenary Lecture** • MSA: from pathogenesis to precision treatments • Vikram Khurana, M.D., Ph.D. • Cambridge, MA, USA • Chair: Christopher Gibbons

2:00-2:30 PM •**Clinical Trials** (not for CME credit) • Chairs: Glen Cook and Abhishek Lenka

2:00-2:15 PM • Baloncibart, a natriuretic peptide receptor 1 antagonist monoclonal antibody, reduces orthostatic heart rate and improves symptoms in participants with postural orthostatic tachycardia syndrome in a phase 2 study • E. Marin, D. Lemenze, A. Ballerini, K.B. Devalaraja-Narashimha, M. Xu, J. Yuan, S.R. Raj, I. Biaggioni, P. Kumar, X. Cheng, M. Hussein, K. Kim, H. Pan, D. Pawaskar, A. Khan, M. Thakur, R. Pordy, A. Stoch, L. Morton, B.A. Olenchock, B. Hirshberg • Calgary, AB, Canada • (Virtual Poster #46)

2:15-2:30 PM • Coordinated versus usual nonpharmacologic care for postural orthostatic tachycardia syndrome in Long COVID: a randomized clinical trial • M. Fudim, P.R. Taub, T. Chung, K.O. Zimmerman, S.M. O'Brien, H.Z. Fissler, O.V. Moy, Y. Rosenberg, J. Wen, N.L.B. Freeman, J. Hervey, P.J. Ortiz, T.A. Walker, S.W. Holwerda, M.D. McCauley, A.A. Hope, J. Arthur, C.R. Richardson, L. Purpura, P. Nunes, H. Marti, W. Cox, A. Huff, P. Novak, C.B. Granger, C.A. Shibao; for the RECOVER-AUTONOMIC Clinical Trial Group • Nashville, TN, USA • (Virtual Poster #39)

2:30-3:15 PM • Autonomic Debate

Resolved—Pure autonomic failure (PAF) should be abandoned as a diagnostic entity • Chairs: David Goldstein and Nathaniel Robbins

PRO: David Goldstein, M.D., Bethesda, MD, USA
CON: Nathaniel Robbins, M.D., Boston, MA, USA

PRO (rebuttal): Abhishek Lenka, M.D., Ph.D., Richmond, VA, USA
CON: (rebuttal): Patricio Millar Vernetti, M.D., New York, NY, USA

3:15-7:00 PM • Free Time

3:30-4:30 PM • AAS Committee Meetings (not for CME credit) (open to all members)

4:30-5:30 PM • AAS Special Interest Group Meetings (not for CME credit) (open to all members)

7:00-8:30 PM • Poster Session II (wine & cheese) (not for CME credit) • Poster #s: 6, 7, 8, 11, 12, 13, 14, 15, 17, 19, 20, 27, 33, 34, 36, 37, 42, 49, 53, 54, 56, 58, 62, 63, 66, 68, 69, 71, 75, 77, 79, 81, 82, 88, 90, 95, 100, 101, 104, 109, 111, 113, 116, 123, 124, 125, 128, 133, 142, 143, 151, 152, 154, 156, 157, 159

8:30 PM • Adjourn for the Evening

FRIDAY, NOVEMBER 13, 2026

8:00-2:00 PM • Exhibitors

1:45-7:00 PM • Free time

7:00-8:00 AM • Breakfast on Your Own

8:00-8:30 AM • AAS Business Meeting

8:30-9:30 AM • Plenary Lecture 4: Robertson Plenary Lecture • Why rare disorders matter: lessons for pediatric autonomic medicine • Debra Weese-Mayer, M.D. • Chicago, IL, USA • Chair: David Goldstein

9:30-10:30 AM • Plenary Lecture 5: Burnstock Plenary Lecture (not for CME credit) • Drug discoveries in purinergic and adrenergic signaling: an ongoing odyssey • Anthony Ford, Ph.D. • Los Altos Hills, CA, USA • Chair: Roy Freeman

10:30-11:00 AM • Exhibit Hall Coffee Break

Symposium 5: Neural Control of Cardiopulmonary Function in Health and Disease • Chairs: Zixi Jack Cheng and John D. Tompkins • **11:00 AM-12:15 PM** • *Parallel session*

Anatomical and functional mapping of the rodent heart in health and disease • Duyen Nguyen, Ph.D. • Orlando, FL, USA

From neural remodeling to rhythm control: targeting intracardiac ganglion neurons John D. Tompkins, Ph.D. • Los Angeles, CA, USA

Neural mechanisms underlying heart–lung crosstalk in cardiopulmonary disease Hanjun Wang, M.D. • Omaha, NE, USA

Sex differences in hypertension in older adults: mechanisms and therapy • Qi Fu, M.D., Ph.D. • Dallas, TX, USA

Symposium 6: Gastrointestinal Complications of Autonomic Dysfunction: From Motility to Microbiome • Chairs: Irene Sonu and Yan Jiang • **11:00 AM-12:15 PM** • *Parallel session*

Esophageal disease in autonomic disorders • Yan Jiang, M.D. • Redwood City, CA, USA

Disorders of gut–brain interaction in autonomic disorders • Irene Sonu, M.D. • Redwood City, CA, USA

Microbiome–immune alterations in dysautonomia • Sean Spencer, M.D., Ph.D. • Redwood City, CA, USA

12:15-12:30 PM • Exhibit Hall Transitional Break

Symposium 7: Intersecting Conditions with Pathophysiologic Overlap: POTS, Joint Hypermobility Syndromes, Migraine, and Pain Sensitization • Chairs: Kelsey Klaas and Meeryo Choe • **12:30-1:45 PM** • *Parallel session*

The central autonomic network in migraine pathophysiology • Priyanka Shekhawat, M.D. • Portsmouth, NH, USA

Pain and autonomic dysfunction in an animal model • Ann Hoffman, Ph.D. • Los Angeles, CA, USA

Understanding the link between migraine and cerebral blood volume in a mouse model of EDS (Col5a1) • Sinifunanya Nwaobi, M.D., Ph.D. • Los Angeles, CA, USA

Panel discussion

Session 5: Spinal Cord Injury and Traumatic Brain Injury & Pediatric Autonomic Disorders • Chairs: Jacqueline Limberg and Erin Williams • **12:30-1:45 PM** • *Parallel session*

12:30-12:45 PM • **Best Basic Science Autonomic Research Travel Fellowship Award:** Site mapping for restoration of seated blood pressure using transcutaneous spinal cord stimulation in hypotensive people with SCI • T. Sutor, M. Maher, J. Goldsmith, N.Y. Harel, J. Weir, L. Murray, J. Wecht • Bronx, NY, USA • (Virtual Poster #131)

12:45-1:00 PM • Pediatric normative values of blood pressure recovery time and orthostatic blood pressure changes and development of a pediatric composite autonomic severity score • D.M. Sletten, T.L. Gehrking, J.A. Gehrking, P.A. Low, W. Singer • Rochester, MN, USA • (Virtual Poster #126)

1:00-1:15 PM • Sex differences in blood pressure instability after spinal cord injury • A. Dias, R. Miller, J. Lee, A. Wang, A.A Phillips • Calgary, AB, Canada • (Virtual Poster #29)

1:15-1:30 PM • Heightened cerebral reactivity to carbon dioxide in children after concussion • H. Lloyd, S. Randhawa, V-E.M. Lucci, S. Ramsay, V.E. Claydon • Burnaby, BC, Canada • (Virtual Poster #78)

1:30-1:45 PM • Epidural electrical stimulation improves cardiopulmonary function and aerobic capacity following spinal cord injury: a case study • J. Zhang, M. Smith, N. Shaheen, J. Lee, J.W. Squair, G. Courtine, K.A. Larkin-Kaiser, A.A Phillips • Calgary, AB, Canada • (Virtual Poster #153)

1:45-7:00 PM • Free Time (AAS-Provided Lunch)

1:45-2:30 PM • Visit Exhibitors

2:00-4:00 PM • AAS Board Meeting

4:00-5:00 PM • CAR Editorial Board Meeting

7:00-10:00 PM • Presidential Dinner

10:00 PM • Adjourn for the Evening

SATURDAY, NOVEMBER 14, 2026

8:00-10:15 AM • Exhibitors

7:00-8:00 AM • Breakfast on Your Own

Session 6: POTS • Chairs: Satish Raj and Pradeep Sahu • **8:30-9:45 AM** • *Parallel session*

8:30-8:45 AM • **FMS/Penaz Wesseling Travel Fellowship Award:** Increased orthostatic extravasation rate in postural tachycardia syndrome • R.E. Han, S. Kulapatana, S. Rigo, V. Urechie, Y.A. Vance, R. Furlan, I. Biaggioni, A. Diedrich • Nashville, TN, USA • (Virtual Poster #51)

8:45-9:00 AM • Outcome of exercise training in patients with postural orthostatic tachycardia syndrome • E.T. Hedge, E. Ivey, S.R. Grappe, S. Hopkins, S. Lee, K. Ramsey, K.D. Patel, D.J. Wakeham, M. Bryarly, S. Vernino, B.D. Levine • Dallas, TX, USA • (Virtual Poster #139)

9:00-9:15 AM • GIP antagonist GIP(3-30)NH2 infusion demonstrates high tolerability in POTS patients • P.E. Mehr, P. Ortiz, M.A. Abd-Eldayem, E. Shehata, Y. Vance, S. Paranjape, T.X. Solis-Montenegro, C.A. Shibao • Nashville, TN, USA • (Virtual Poster #85)

9:15-9:30 AM • **FMS/Penaz Wesseling Travel Fellowship Award:** Head-up tilt beyond 10 minutes: physiologic trajectories in a dysautonomia cohort • O. Demachkie, T.A. Tanvir, S. Balakrishnan, J. Gigi, T. Nayyar, M. Abbasi, A. Elandary, A. Butt, A. Suleman • Tupelo, MS, USA • (Virtual Poster #24)

9:30-9:45 AM • Comparison of multidomain symptom burden in postural tachycardia syndrome (POTS) and orthostatic intolerance without tachycardia: more similar than different • J. Trout, S. Vernino, J. Barson, A. Billings, M.M. Cortez • Salt Lake City, UT, USA • (Virtual Poster #134)

Session 7: Biomarker/Imaging (not for CME credit) • Chairs: Paul Beach and Tanja Dudenbostel • **8:30-9:45 AM** • *Parallel session*

8:30-8:45 AM • A system for identifying preclinical central Lewy body diseases, predicting disease trajectory, individualizing treatment, and tracking preventive efficacy • D.S. Goldstein • Potomac, MD, USA • (Virtual Poster #47)

8:45-9:00 AM • Real-time MRI reveals reduced middle cerebral artery flow during lower-body negative pressure in hypermobile Ehlers-Danlos syndrome • D.A. Gerlach, A. Bach, L. de Boni, F. Fischer, T. Barth, A. Hoff, J. Manuel, J. Jordan, A. Maier, J. Tank • Cologne, Germany • (Virtual Poster #40)

9:00-9:15 AM • Prospective blinded quantification of phosphorylated alpha-synuclein in patients with Parkinson's disease and REM sleep behavior disorder • C. Gibbons, T. Levine, J. Parent, S. Marcotte, B. Bellaire, M. Duval, R. Freeman • Boston, MA, USA • (Virtual Poster #41)

9:15-9:30 AM • Does an ear-worn pressure sensor track beat-to-beat and autonomic hemodynamics? A coherence and transfer-function comparison with finger PPG • A. Singh, R.S. Sheldon, C. Saleh, P. Giri, R. Hira, S.R. Raj, D. Roach • Calgary, AB, Canada • (Virtual Poster #119)

9:30-9:45 AM • Continuous physiologic dysphagia monitoring using wireless, wearable sensors • A. Srinivasan*, K.J. Graham*, J.W. Trueb, K.W. Davidson, J.Y. Kwak, M. Alraiyes, A.E. Clain, D.E. Weese-Mayer, J.A. Rogers, B.J. Martin-Harris • Evanston, IL, USA • (Virtual Poster #130)

9:45-10:15 AM • Exhibit Hall Coffee Break

Symposium 8: Autonomic Science Year in Review • Chair: Guillaume Lamotte • **10:15-11:15 AM**

Autonomic failure • Katherine Longardner, M.D. • La Jolla, CA, USA

Basic science • Erika K. Williams, M.D., Ph.D. • Boston, MA, USA

Pediatric autonomic disorders • Meeryo Choe, M.D. • Los Angeles, CA, USA

Cardiovascular diseases and syncope (heart failure, hypertension, etc.) • Howard Snapper, M.D. • Woodstock, GA, USA

Session 8: Award Presentations
Chairs: Amanda Peltier and Glen Cook • **11:15 AM-12:00 PM**

11:15-11:35 AM • **Presentations from top 4 posters (4 @ 5 min each)**

11:35-11:45 AM • **Recognition of Fellows of the American Autonomic Society**

11:45-12:00 PM • **Closing Remarks and Board Transitions**

12:00 PM • **Meeting Adjourned**

NOTES:

AAS POSTERS

Poster #1 • The influence of early-menopause on sympathetic transduction to blood pressure in older, postmenopausal females • M.F. Anselmo, E.J. Lee, W.H. Stokes, S.C. Nathe, C.T. Tahsin, S. Teshome, J.A. Bigalke, D.A. Lowe, M.L. Vanden Noven, J.R. Carter, M.L. Keller-Ross • Minneapolis, MN, USA • **Trainee**

Poster #2 • An investigation into the prevalence of loneliness and its relationship with mental health symptoms in AYAs with postural tachycardia syndrome (POTS) • G. Armstrong, J. Myers, C. Moffo, C. Raymond • Chicago, IL, USA • Withdrawn

Poster #3 • Correlation of mean blood pressure at lowest mean velocity index with pulsatility index during head-up tilt table testing in POTS and postural symptoms without tachycardia: a replication and extension study • S.S. Balakrishnan, O. Demachkie, T.A. Tanvir, N. Khan, A. Suleman • Dallas, TX, USA

Poster #4 • Progressive aortic root dilation in a young adult with hypermobility-spectrum connective tissue disease and sub-threshold postural tachycardia • T.A. Tanvir, N. Khan, S.S. Balakrishnan, A.I. Siddiqui • Dallas, TX, USA

Poster #5 • Delayed and sustained elevation of blood flow to the head following tilt training in post-COVID postural orthostatic tachycardia syndrome: a wearable-monitored case report • T.A. Tanvir, A.I. Siddiqui, S.S. Balakrishnan, N. Khan, A. Suleman • Dallas, TX, USA

Poster #6 • Symptom burden does not differ between SIBO-positive and SIBO-negative dysautonomia patients: a negative finding with clinical implications • S.S. Balakrishnan, G. Beesetti, T.A. Tanvir, S.M. Shaik, N. Khan, A. Suleman • Dallas, TX, USA

Poster #7 • Lower BMI predicts SIBO positivity and higher BMI correlates with heartburn severity in dysautonomia • S.S. Balakrishnan, S.M. Shaik, T.A. Tanvir, G. Beesetti, N. Khan, A. Suleman • Dallas, TX, USA

Poster #8 • Beyond the cuff: continuous earlobe monitoring improves discrimination of orthostatic symptoms during active stand testing in older adults • Z.A. Elhajjaji, A.S. Basu • Detroit, MI, USA

Poster #9 • Cerebral hypoperfusion occurs in neurogenic orthostatic hypotension regardless of symptom presence • P.A. Beach, B. Kern, G.G. Martins, E.M. Buckley • Atlanta, GA, USA

Poster #10 • Prevalence of small intestinal bacterial overgrowth across dysautonomia subtypes • G. Beesetti, T. Tanvir, S. Shaikh, S. Balakrishnan A. Suleman • Dallas, TX, USA

Poster #11 • Hydrogen breath test kinetics differ between SIBO-positive and negative POTS patients • G. Beesetti, T. Tanvir, S. Balakrishnan, S. Shaikh, A. Suleman • Dallas, TX, USA

Poster #12 • A possible novel adult-onset, progressive MAO-A hypofunction • S. Berteau, Erik Armitano • Edinburgh, UK

Poster #13 • Functional gallbladder disorders in adolescents with postural orthostatic tachycardia syndrome (POTS) • E.A. Bettini, C. Ramwell • Washington, DC, USA

Poster #14 • Cardiac impedance and heart rate variability before and after cold pressor test in young adults with and without TMD – a pilot study • G. Caudy, A. Nischal, H. Chen • Columbus, OH, USA

Poster #15 • Nutritional intake and hematological indices in adolescents with postural tachycardia syndrome (POTS): a case control study • J. Chang, L. Jarjour, K. Hawthorne, S.A. Abrams, I.T. Jarjour • Houston, TX, USA

Poster #16 • Symptom burden in POTS and endometriosis: a retrospective cohort study • A.Y. Chin, R.G. Rilinger, P. Leboit, M. Levine, A.S. Nowacki, A.R. Brant, C. Cameron, A. Gubbels, A. Hayburn, R. Wilson • Cleveland, OH, USA • **Trainee**

Poster #17 • Headache is associated with delayed evaluation and increased supportive care utilization in pediatric POTS • M.C. Choe, J. Sanchez, M. Borras, M.B. Harris • Los Angeles, CA, USA

Poster #18 • Im-perfect sync: autonomic conflict during artistic swimming • E.L. Williams, C.A. Vassilenko, L. Katyal, S. Sanatani, V.E. Claydon • Burnaby, BC, Canada • **Trainee**

Poster #19 • Implementation of the Pediatric Pain Screening Tool in pediatric cardiology clinic to increase referrals to a comprehensive pediatric pain program • S. Connolly, D. DeVinney, K.S. Salamon • Menlo Park, CA, USA

Poster #20 • Updated diagnostic criteria for pure autonomic failure: results of a modified Delphi process • E.A. Coon, S. Massucco, V. Donadio, C. Gibbons, H. Kaufmann, P. Narayanaswami, R. Freeman • Rochester, MN, USA

Poster #21 • Recurrent bending-induced loss of consciousness in the setting of congenital cerebrovascular variants • J. Craver • Greenville, SC, USA • **Trainee**

Poster #23 • Exploring the lived experience of children and adolescents with complex regional pain syndrome (CRPS), a rare disorder with autonomic and neuropathic manifestations • O. Delgado, D. Conde, N. Galvez-Jimenez • Miami, FL, USA • **Trainee**

Poster #24 • Head-up tilt beyond 10 minutes: physiologic trajectories in a dysautonomia cohort • O. Demachkie, T.A. Tanvir, S. Balakrishnan, J. Gigi, T. Nayyar, M. Abbasi, A. Elandary, A. Butt, A. Suleman • Tupelo, MS, USA • **Trainee**

Poster #25 • Cerebrovascular flow and plaque burden reflect distinct autonomic correlates in dysautonomia • O. Demachkie, C. Hamad, T.A. Tanvir, A. Elandary, N. Maleen, A. Butt, A. Suleman • Tupelo, MS, USA • **Trainee**

Poster #26 • Small intestinal bacterial overgrowth and cerebrovascular hemodynamics in dysautonomia • O. Demachkie, T.A. Tanvir, A. Elandary, T.H. Tanvir, M. Abbasi, N. Maleen, E.D. Rady, A. Butt, A. Suleman • Tupelo, MS, USA • **Trainee**

Poster #27 • Heart rate and BP change during initial tilt as a predictor of response to nitroglycerin challenge during tilt table test • A. Tiwari, A. Tripathi, D. Grantham, Q. Mushtaq, R. Ramirez, R. Dendi • Kansas City, KS, USA

Poster #28 • Programming aquatic occupational therapy for POTS: a pilot study • K.S. Dhruva • Carson, CA, USA • **Trainee**

Poster #29 • Sex differences in blood pressure instability after spinal cord injury • A. Dias, R. Miller, J. Lee, A. Wang, A.A Phillips • Calgary, AB, Canada • **Trainee**

Poster #30 • Autonomic dysfunction in spastic paraplegia type 7, a case report • S.G. DiLucia, J.R. Lopez Castellanos • Charleston, SC, USA • **Trainee**

Poster #31 • Dihydroergotamine in cyclic vomiting syndrome and abdominal migraine • B. Dinn, M. Holthaus, B. Dave, T. Chelimsky, G. Chelimsky • Richmond, VA, USA • **Trainee**

Poster #32 • Inhibition of sodium channel Nav1.8 augments cardiac beta 1 adrenergic receptor function in hypertrophic cardiomyopathy • J.R. Disser, M. Espinoza Laguna, A.M. Dahl, M.K. Austin, A.L. Howard, R.A. Larson • Houghton, MI, USA • **Trainee**

Poster #33 • Evanescent hyperemia: an underrecognized cutaneous manifestation of postural orthostatic tachycardia syndrome • D. Dudenkov, S. Barlas, M. Hussain • Jacksonville, FL, USA

Poster #34 • Sympathoadrenergic driven arterial hypertension in CRCT1-deficient mice • K. Morhenn, F. Morellini, A. Seniuk, H. Vitzthum, H. Ehmke • Hamburg, Germany

Poster #35 • Pure autonomic failure: a peripheral neurodegenerative disease • R. Freeman, T. Levine, J. Parent, S. Marcotte, B. Bellaire, M. Duval, C. Gibbons • Boston, MA, USA

Poster #36 • Diagnosis-specific symptom overlap across autonomic disorders: insights from the The Dysautonomia Project (TDP) cohort • J.A. O'Dell, K.C. Freeman, C. Gabel, S.E. Smith • Clearwater, FL, USA

Poster #37 • Quality of life in pediatric patients with postural orthostatic tachycardia syndrome • W.S. Frye, E. Henning, S.R. Ward, C. Kokorelis, D. Mauriello, B. Mitchell, L. Cirincione • St. Petersburg, FL, USA

Poster #38 • Influence of antidepressant therapy on sympathetic activity and systemic inflammation in older women with HFpEF • Q. Fu, J.D. Akins, S.L. Hissen, R. Takeda, J.P. MacNamara, S. Sarma, C.M. Hearon Jr., T.G. Babb, B.D. Levine, P.J. Fadel • Dallas, TX, USA

Poster #39 • Coordinated versus usual nonpharmacologic care for postural orthostatic tachycardia syndrome in Long COVID: a randomized clinical trial • M. Fudim, P.R. Taub, T. Chung, K.O. Zimmerman, S.M. O'Brien, H.Z. Fissler, O.V. Moy, Y. Rosenberg, J. Wen, N.L.B. Freeman, J. Hervey, P.J. Ortiz, T.A. Walker, S.W. Holwerda, M.D. McCauley, A.A. Hope, J. Arthur, C.R. Richardson, L. Purpura, P. Nunes, H. Marti, W. Cox, A. Huff, P. Novak, C.B. Granger, C.A. Shibao; for the RECOVER-AUTONOMIC Clinical Trial Group • Durham, NC, USA

Poster #40 • Real-time MRI reveals reduced middle cerebral artery flow during lower-body negative pressure in hypermobile Ehlers-Danlos syndrome • D.A. Gerlach, A. Bach, L. de Boni, F. Fischer, T. Barth, A. Hoff, J. Manuel, J. Jordan, A. Maier, J. Tank • Cologne, Germany

Poster #41 • Prospective blinded quantification of phosphorylated alpha-synuclein in patients with Parkinson's disease and REM sleep behavior disorder • C. Gibbons, T. Levine, J. Parent, S. Marcotte, B. Bellaire, M. Duval, R. Freeman • Boston, MA, USA

Poster #42 • A pilot study of phosphorylated alpha-synuclein detection and quantitation from routine colonic biopsies in patients with Parkinson's disease • C. Gibbons, R. Freeman, B. Bellaire, J. Parent, S. Marcotte, M. Duval, T. Levine • Boston, MA, USA

Poster #43 • CO_2 rebreathing as a therapeutic option for neurogenic orthostatic hypotension • P. Giri, J. Baker, P. Deol, B. Paul, R. Hira, R.S. Sheldon, S.R. Raj • Calgary, AB, Canada • **Trainee**

Poster #44 • Physiology of stretch-induced hypotension in upright healthy young adults • P. Giri, J. Uppal, C. Saleh, R. Hamzeh, S.R. Raj, R.S. Sheldon • Calgary, AB, Canada • **Trainee**

Poster #45 • Racing hearts: women with postural orthostatic tachycardia syndrome have higher heart rate and lower heart rate variability – an Australian perspective • A. Goff, C. Nguyen, M. Osborn, I. Hunyor, J. O'Sullivan, I. Wilcox • Sydney, Australia • **Trainee**

Poster #46 • Baloncibart, a natriuretic peptide receptor 1 antagonist monoclonal antibody, reduces orthostatic heart rate and improves symptoms in participants with postural orthostatic tachycardia syndrome in a phase 2 study • E. Marin, D. Lemenze, A. Ballerini, K.B. Devalaraja-Narashimha, M. Xu, J. Yuan, S.R. Raj, I. Biaggioni, P. Kumar, X. Cheng, M. Hussein, K. Kim, H. Pan, D. Pawaskar, A. Khan, M. Thakur, R. Pordy, A. Stoch, L. Morton, B.A. Olenchock, B. Hirshberg • Calgary, AB, Canada

Poster #47 • A system for identifying preclinical central Lewy body diseases, predicting disease trajectory, individualizing treatment, and tracking preventive efficacy • D.S. Goldstein • Potomac, MD, USA

Poster #48 • Sympathoneural and cardiovagal domains of arterial baroreflex function • D.S. Goldstein • Potomac, MD, USA

Poster #49 • Central catecholamine metabolomic pattern in post-exertional malaise • D.S. Goldstein, P. Sullivan, L. Aregawi, G. Norato, R.N. Benjamin, C. Holmes, B. Walitt • Potomac, MD, USA

Poster #50 • Characterizing dysautonomia in patients with cardiac ATTR amyloidosis • B. Tijero Merino, J. Alvarez-Cardona, C.Y. Chen, A. Barnett, K. Dalamo, P. Millar Vernetti, A. Reyentovich, A. Gonzalez-Duarte • New York, NY, USA

Poster #51 • Increased orthostatic extravasation rate in postural tachycardia syndrome • R.E. Han, S. Kulapatana, S. Rigo, V. Urechie, Y.A. Vance, R. Furlan, I. Biaggioni, A. Diedrich • Nashville, TN, USA • **Trainee**

Poster #52 • An autonomic audit: does transcutaneous spinal cord stimulation create cardiac instability after spinal cord injury? • K. Hareland, D. Veith, R. Solinsky • Rochester, MN, USA • **Trainee**

Poster #53 • Beyond symptoms: participation-based outcomes in adolescents and young adults with autonomic dysregulation • M.B. Harris, M. Borras, E. Ewell, M.C. Choe • Los Angeles, California, USA

Poster #54 • Pre-morbid and current physical activity levels of patients with postural orthostatic tachycardia syndrome • E.T. Hedge, S. Lee, E. Ivey, S. Hopkins, E. Griffin, S.R. Grappe, D.J. Wakeham, M. Bryarly, B.D. Levine, S. Vernino • Dallas, TX, USA

Poster #55 • Safety, tolerability, and preliminary efficacy of ONO-2808, a sphingosine-1-phosphate receptor 5 agonist, in multiple system atrophy • S.H. Isaacson, A. Wills, A. Takeda, S. Perlman, T. Oeda, C. Singer, D.D. Truong, P. Khemani, P. Dayalu, P. Agarwal, B.K. Changizi, P. Millar Vernetti, K. Toyooka, N. Owens, O.U. Elci, L. Lin, R. Higashi, A. Nishimura, J. Luo, U.S. Sohur, R. Pahwa, P.A. LeWitt, N.R. McFarland • Boca Raton, FL, USA

Poster #56 • Heart rate variability and cognitive function in children: preliminary findings from a Czech family and school cohort • V. Jandackova, V. Cibulcova, V. Uhrova, S. Elavsky • Ostrava, Czech Republic

Poster #57 • Heart rate response to orthostatic challenge as an indicator of neurovascular coupling in spinal cord injury • W. Ji, J.M. Wecht, N.D. Chiaravalloti, J.C. Miecznikowski, H.J. Jo, F. Stefanovic, J.A. Goldsmith, T.W. Sutor, S.A. Sisto • Buffalo, NY, USA • **Trainee**

Poster #58 • Holter-based heart rate variability distinguishes adolescent postural orthostatic tachycardia syndrome from healthy controls • B. Kakavand, E. Rueda-De-Leon, A. Jaramillo, A. Ebadi • Orlando, FL, USA

Poster #59 • The β=0.42 biological circuit breaker: meta-analytic evidence for a non-ventilatory trigemino-vagal phonation pathway and a proposed nanomechanotransduction mechanism • B. Kebdani • Algiers, Algeria

Poster #60 • Impact of pregnancy on postural orthostatic tachycardia syndrome (POTS) and postural symptoms without tachycardia (PSWT) patients: a pre- and post-pregnancy analysis of symptoms • A. Khan, A. Goyal, H. Shah, J. Shahid, A. Butt, K. Kulsoom, A. Suleman • Dallas, TX, USA • **Trainee**

Poster #61 • Acute autonomic and symptom responses to transcutaneous vagus nerve stimulation in dysautonomia • T. Nayyar, N. Khan, B.A. Aziz, T.A. Tanvir, T. Tornala, O. Demachkie, T.S. Tanvir, A. Suleman • Dallas, TX, USA

Poster #62 • Evaluation of smoking status and neurocognitive performance in dysautonomia patients: a cross sectional and longitudinal analysis • T.A. Tanvir, N. Khan, N. Qazi, T.S. Tanvir, M. Abbasi, T. Nayyar, A. Suleman • Dallas, TX, USA

Poster #63 • Design and baseline characteristics of a Phase 3 double-blind, randomised trial evaluating the efficacy and safety of amlenetug for the treatment of multiple system atrophy • L. Kjærsgaard, M. Schiavon Krabbe, A.-K. Berger, A. Rasmussen, M. Nørbæk Jørgensen, M. Folden Flensburg, B. Svanholm Fogh, K. Nighah, J. Wiedemann, J. Streffer, S. Zanigni, J. Luthman • Valby, Denmark

Poster #64 • Mitral subvalvular remodeling in hypermobile Ehlers-Danlos syndrome-associated postural tachycardia syndrome • L. Klösges, D. Gerlach, F. Fischer, T. Barth, J. Jordan, J. Tank, A. Maier • Cologne, Germany • **Trainee**

Poster #65 • A phase 2a study of CST-3056: a novel, selective, CNS-penetrant alpha 1A-adrenoceptor partial agonist for treatment of neurogenic orthostatic hypotension • R. Martin, P. Ortiz, Y. Vance, B. Black, P. Butera, J. Reynolds, A. Ford, I. Biaggioni, G. Vargas • San Carlos, CA, USA

Poster #66 • Integration of psychology consultation into a multidisciplinary adolescent dysautonomia clinic • K. Kullgren, B. Largent, L. Wozniak • Ann Arbor, MI, USA

Poster #67 • Clinical and autonomic profile of individuals with non-neurogenic orthostatic hypotension: a comprehensive retrospective single center study • D. Bauer, M. Cortez, G. Lamotte • Salt Lake City, UT, USA

Poster #68 • Redefining dysautonomia care in adolescents: benefits and challenges of a new multidisciplinary clinic model • B. Largent, K. Kullgren, L. Wozniak • Ann Arbor, MI, USA

Poster #69 • SpineAlly: a real-world mobile health platform to accurately assess autonomic function in people living with spinal cord injury • K.A. Larkin-Kaiser, S. Saleem, A.A. Phillips • Calgary, AB, Canada

Poster #70 • Examining the relationship between head injury, mental health, and Ehler-Danlos syndrome in postural orthostatic tachycardia syndrome • P.E. Leboit, A.Y. Chin, R.G. Rilinger, M. Levine, A. Nowacki, A.R. Brant, A.L. Gubbels, R. Wilson • Cleveland, OH, USA • **Trainee**

Poster #71 • Dissociation between thermal pain sensitivity and sudomotor function in patients referred for suspected complex regional pain syndrome • S.A. Lee, K.D. Park • Seoul, Korea

Poster #72 • Screening for pelvic venous disorders in patients referred for autonomic dysfunction • C. Duvall, A. Tummala, Z. Walker, A. Fairchild, P. LeLorier • New Orleans, LA, USA • **Trainee**

Poster #73 • Exploring the utility of real-time monitoring of cerebral perfusion and oxygenation during head-up tilt table test • A. Lenka, G. Chelimsky, C. Miller-Patterson, T. Chelimsky, M. Maxwell, F. Mehraj, D. Adams, A. Sehic • Richmond, VA, USA

Poster #74 • Orthostatic intolerance in Long COVID in the RECOVER adult cohort • S.I. Leonard, T. Mei, K. Chemali, S. Jones, H. Bonilla, C. Maughan, R. DeRosa, N. Jain, T. Walker, RECOVER Initiative Consortium Authors • New York, NY, USA • **Trainee**

Poster #75 • Improving triage and diagnostic accuracy for out-of-state autonomic patients: a quality review of tilt table testing outcomes • M. Levine, R.G. Rilinger, C. Cantrell, R. Wilson • Cleveland, OH, USA

Poster #76 • Functional measurement of parasympathetic control during posture shifts tracks symptom improvement in men seeking treatment for erectile dysfunction • G.F. Lewis, J. Kolacz, K. Bischof • Bloomington, IN, USA

Poster #77 • Treating sleep concerns in postural orthostatic tachycardia syndrome yields greater quality of life response compared to patients with recurrent orthostatic intolerance: a preliminary single institution analysis • A. Ligsay, C. Moffo, C. Raymond, J. Myers • Chicago, IL, USA

Poster #78 • Heightened cerebral reactivity to carbon dioxide in children after concussion • H. Lloyd, S. Randhawa, V-E.M. Lucci, S. Ramsay, V.E. Claydon • Burnaby, BC, Canada • **Trainee**

Poster #79 • End-of-life care preferences and priorities in people with multiple system atrophy and their care partners • K. Longardner, L. Solomon, B. Kern, P.A. Beach, G. Nager, A. Zaman, C. Miller-Patterson, L. Eickholt, W. Aamodt • La Jolla, CA, USA

Poster #80 • Longitudinal characterization of cardiac autonomic dysfunction in Long-COVID • L. Lopedote, B. Cairo, R. Furlan, S. Rigo, L. Rinaldi, A. Porta, D. Loiacono, F. Barbic • Rozzano, Italy

Poster #81 • Cardiac-related vagal activity is increased in human heart failure with reduced ejection fraction • V.G. Macefield, O.F. Barak, M. Kumric, Z. Dujic, J. Bozic • Melbourne, Australia

Poster #82 • Effect of involuntary breathing movements on aortic flow • J. Manuel, I. Drvis, S. Simon, N. Foretić, G. Dujić, K. Heusser, J. Jordan, D.A. Gerlach, P. Rosauer, U. Limper, B. Jüttner, Z. Dujić*, Jens Tank* • Cologne, Germany

Poster #83 • Predictors of phenoconversion in pure autonomic failure: a systematic review and meta-analysis • S. Massucco, E.A. Coon, V. Donadio, H. Kaufmann, C. Gibbons, P. Narayanaswami*, R. Freeman* • Boston, MA, USA • **Trainee**

Poster #84 • Predictive value of cutaneous biomarkers in hereditary transthyretin amyloidosis • S. Massucco, R. Freeman, M. Duval, C. Gibbons, K. Cárdenas-Soto, A. González-Duarte • Boston, MA, USA • **Trainee**

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Howard Snapper, M.D.

2019 FAAS AWARDEE:
Wolfgang Singer, M.D.

2018 FAAS AWARDEES:
Ramesh Khurana, M.D.
Vaughan G. Macefield, Ph.D., D.Sc.
Ronald Schondorf, M.D., Ph.D.
Cyndya Shibao, M.D.
Steven Vernino, M.D., Ph.D.

2017 FAAS AWARDEES:
Victoria Claydon, Ph.D.
Christopher Gibbons, M.D.
Janice Gilden, M.D.
David Goldstein, M.D., Ph.D.

2016 FAAS AWARDEES:
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Italo Biaggioni, M.D.
Mark Chapleau, Ph.D.
Thomas Chelimsky, M.D.
William P. Cheshire, M.D.
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