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Program at a glance:

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Wednesday, Oct 10th →

08:00 - 10:00	Registration
10:00 - 10:15	Opening Ceremony
Main Topic I: 10:15 - 12:00	Stroke and ANS Disorders & → Advances in Pathophysiology of ANS Disorders
12:00 - 13:30	Poster Session I → click here to see topics
13:30 - 14:00	C. Bernard Lecture
Main Topic II: 14:00 - 16:00	ANS and Exercise - Advances in Therapy →
Main Topic III: 16:30 - 18:30	Sleep & Integrated Physiology →
16:30 - 17:00	FMS Lecture
19:00	Welcome reception and Concert at Palais Ferstel

Thursday, Oct 11th →

Main Topic IV: 09:00 - 12:30	Syncope and Drug-Induced OH →
11:00 - 11:30	Novartis Lecture
11:30 - 12:15	Streeten Lecture
12:30 - 14:00	Poster Session II → click here to see topics
Main Topic V: 14:00 - 16:00	Autonomic Failure In Parkinsonism →
15:30 - 16:00	Novartis Lecture
Main Topic VI: 16:30 - 17:30	ANS and the Perception of Music →
20:00	Gala Dinner at the City Hall of Vienna Allergan Lecture with Music Performance

Friday, Oct 12th →

Main Topic VII: 09:00 - 10:30	ANS and Cardio-Respiratory Control →
10:30 - 11:00	AAS General Assembly
Main Topic VIII: 11:00 - 12:30	New Developments in Autonomic Testing - → From FFT to Wavelet and Beyond
12:30 - 14:00	Poster Session III click here to see topics
13:00 - 14:00	Satellite Symposium sponsored by BMEYE
Main Topic IX: 14:00 - 16:00	Microgravity & POTS →
16:00 - 16:30	EFAS General Assembly
Main Topic X: 16:30 - 18:00	Pain & Peripheral Neuropathies →
18:00	Concluding Remarks & Farewell

Saturday, Oct 13th. 09:00 - 13:00 →

Postcongress teaching course:
Venue: Kaiser Franz Josef Hospital, Vienna

Poster Session Topics

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Poster Session I:

- Age, Sex and the ANS →
- Advances in Baroreflex Research →
- Degenerative and Nondegenerative Central ANS Disorders →
- Exercise and Integrated Autonomic Physiology →
- Advances in Autonomic Research →

Poster Session II:

- Autonomic Abnormalities in Parkinson's Disease →
- PAF, MSA and Other Synucleinopathies →
- Neurally-Mediated Syncope →
- Music and Autonomic Rhythms →
- New Methods of ANS Investigations →
- OH Syndromes and Diabetes →

Poster Session III:

- Pediatric Autonomic Disorders →
- Microgravity and the ANS →
- ANS in Hypertension, Heart Failure and Other Cardiovascular Diseases →
- Postural Tachycardia Syndrome →
- Skin, and Peripheral Autonomic Physiology and Pathology →

Plenary Speakers

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Wednesday, 10th Oct.

10:15 - 10:45	Stroke and ANS disorders Giuseppe Micieli, Italy
13:30 - 14:00	C. Bernard Lecture: ANS in long distance endurance competitions O. Appenzeller, Albuquerque, NM, USA
14:00 - 14:30	New thoughts about cardiovascular regulation during exercise B Levine, Dallas, TX, USA
16:30 - 17:00	FMS Lecture Cardiac autonomic nervous modulation and baroreflex-sensitivity during specific sleep stages after acute myocardial infarction H Bonnemeier, Lübeck, Germany
17:00 - 17:30	Sleep and ANS M Hiltz, Erlangen, Germany

Thursday, 11th Oct.

09:00 - 09:30	Dopaminergic Therapy and Dysautonomia in Parkinson's Disease J-M Sénard, Toulouse, France
11:00 - 11:30	Novartis Lecture - Chair: F Skrabal (Austria) Modern antihypertensive drugs - better control of arrhythmia? A Podczec-Schweighofer, Vienna, Austria
11:30 - 12:15	Streeten Lecture POTS: Deconditioning, pseudodeconditioning, both or neither M Joyner, Rochester, MN, USA
14:00 - 14:30	Neuropathologic basis of autonomic manifestations of multiple system atrophy and Lewy body disorders E Benarroch, Rochester, MN, USA
15:30 - 16:00	Novartis Lecture - Chair: W Grisold (Austria) Nonmotor symptoms in Parkinson's disease R Katzenschlager, Vienna, Austria
16:30 - 16:50	Music or noise: different effects on the ANS J-L Elghozi, Paris, France
16:50 - 17:10	The importance of silence in music: effects on the ANS L Bernardi, C Porta, P Sleight, Pavia, Italy
20:00	Gala Dinner at the City Hall of Vienna, Allergan Lecture with Music Performance Emotional effects of music and its impact on the autonomic nervous system: the "chill effect"! E Altenmüller, Hannover, Germany

Friday, 12th Oct.

09:00 - 09:30	Respiratory autonomic regulation J Paton, London, UK
11:00 - 11:20	HRV analysis and Fourier transform A Diedrich, Nashville, TN, USA
11:20 - 11:40	Application of wavelet analysis to HRV data I Rocha, Lisbon, Portugal
13:00 - 14:00	Satellite Symposium sponsored by BMEYE - Integrative Physiology in Cardiovascular Medicine: Back to Basics and Beyond The differential effects of hyperventilation on blood pressure regulation in the normal and the failing circulation RD Thijs, Lieden, The Netherlands Bedside medicine: symptoms and signs of syncope W Wieling, Amsterdam, The Netherlands
14:00 - 14:25	Cardiovascular and fluid volume control in microgravity P Norsk, Copenhagen, Denmark
14:25 - 14:45	Sympathetic neural control of blood pressure in microgravity T Mano, Gifu, Japan
16:30 - 17:00	The autonomic face of migraine P Cortelli, Bologna, Italy

Full Program by Day

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Wednesday, 10th Oct.

08:00 - 10:00	Registration
10:00 - 10:15	Opening Ceremony: M. Hilz (EFAS), I. Biaggioni (AAS), W. Grisold (OEGN), H. Lahrmann (Congress President)
Main Topic I:	Stroke and ANS Disorders - Advances in Pathophysiology of ANS Disorders
	Chairs: S Schwab (Germany) & TBD
10:15 - 10:45	<i>Stroke and ANS disorders</i> TBD
10:45 - 11:00	<i>Molecular mechanisms of reciprocal dysautonomia</i> V Snitsarev, Z Tan, Y Lu, R Sabharwal, MW Chapleau, FM Abboud Iowa City, IA, USA
11:00 - 11:15	<i>Autonomic/baroreflex phenotypes in a novel mouse model of spontaneous congestive heart failure</i> R Sabharwal, RM Weiss, HM Stauss, CD Sigmund, FM Abboud, MW Chapleau Iowa City, IA, USA
11:15 - 11:30	<i>Pressor effect of water: role of the vanilloid receptor TRPV1</i> NR Keller , J McHugh, M Appalsamy, J Jordan, SR Raj, D Robertson Nashville, TN, USA
11:30 - 11:45	<i>Sympathetic - vascular transduction in POTS</i> I Bonyhay , J Chang, R Freeman Boston, MA, USA
11:45 - 12:00	<i>Cerebral white matter lesions in pure autonomic failure – age related or effect of treatment?</i> W Struhal , H Lahrmann, CJ Mathias Linz, Austria
12:00 - 13:30	Lunch and Poster Session I
13:30 - 14:00	C. Bernard Lecture: ANS in long distance endurance competitions O. Appenzeller , Albuquerque, NM, USA

Main Topic II:	ANS and Exercise - Advances in Therapy
	Chairs: J Jordan (Germany) & O Appenzeller (USA)
14:00 - 14:30	<i>New thoughts about cardiovascular regulation during exercise</i> B Levine , Dallas, TX, USA
14:30 - 14:45	<i>Short-term exercise training normalizes vasomotor sympathetic responses to upright tilt in postural orthostatic tachycardia syndrome</i> Q Fu , TB VanGundy, S Shibata, JL Hastings, MD Palmer, BD Levine Dallas, TX, USA
14:45 - 15:00	FMS Penaz-Wesseling Travel Fellowship Award <i>Heart rate response to exercise in adolescents with autonomic dysfunction</i> BEU Burkhardt , PT Pianosi, C Brands, CJ Porter, AL Weaver, PR Fischer Rochester, MN, USA
15:00 - 15:15	<i>Interval hypoxic training improves autonomic cardiovascular and respiratory control in COPD patients</i> T Haider , G Casucci, T Linser, M Faulhaber, H Gatterer, I Ehrenbourg, M Burtscher, L Bernardi Innsbruck, Austria

15:15 - 15:30	<i>Autoimmune autonomic ganglionopathy: IgG effects on ganglionic synaptic transmission</i> Z Wang, PA Low, S Vernino Dallas, TX, USA
15:30 - 15:45	<i>Norepinephrine transporter blockade and alpha-2 antagonism have a synergistic effect on blood pressure in autonomic failure</i> C Shibao, A Gamboa, SR Raj, LE Okamoto , BK Black, D Robertson, I Biaggioni Nashville, TN, USA
15:45 - 16:00	<i>Combination immunomodulatory therapy for autoimmune autonomic ganglionopathy</i> CH Gibbons , SA Vernino, R Freeman Boston, MA, USA
16:00 - 16:30	Break

Main Topic III: Sleep & Integrated Physiology	
Chairs: R Hainsworth (UK) & F Axelrod (USA)	
16:30 - 17:00	FMS Lecture <i>Cardiac autonomic nervous modulation and baroreflex-sensitivity during specific sleep stages after acute myocardial infarction</i> H Bonnemeier Lübeck, Germany
17:00 - 17:30	<i>Sleep and ANS</i> M Hilz Erlangen, Germany
17:30 - 17:45	<i>Sleep-dependent changes in the control of heart rhythm in human subjects</i> A Silvani , D Grimaldi, G Pierangeli, G Barletta, S Vandì, F Provini, R Vetrugno, P Montagna, G Zoccoli, P Cortelli Bologna, Italy
17:45 - 18:00	<i>Sympathetic activation with voluntary apnea in elite divers</i> K Heusser , G Dzamonja, J Tank, I Palada, Z Valic, D Bakovic, A Obad, V Ivancev, A Diedrich, MJ Joyner, J Jordan, Z. Dujic Berlin, Germany
18:00 - 18:15	<i>Disturbed sleep and quality of life in patients with postural tachycardia syndrome</i> SR Raj , I Biaggioni, BA Malow, BK Black, JF Ling III, SY Paranjape, MG Farley, D Robertson Nashville, TN, USA
18:15 - 18:30	<i>Relationship of sympathetic nerve activity and cardiac output in older humans</i> N Charkoudian , LA Sokolnicki, CP Johnson, JH Eisenach, TB Curry, MJ Joyner, BG Wallin Rochester, MN, USA
18:30 - 19:00	Break
19:00	Welcome reception and Concert at Palais Ferstel

Thursday, 11th Oct.	
08:00 - 09:00	CAR Editorial Board Meeting (at Cafe Griensteidl)
Main Topic IV:	Syncope and Drug-Induced OH
	Chairs: S Raj (USA) & J-M Senard (France)
09:00 - 09:30	<i>Dopaminergic Therapy and Dysautonomia in Parkinson's Disease</i> J-M Sénard , Toulouse, France
09:30 - 09:45	<i>Levodopa ingestion and metabolism in patients with idiopathic Parkinson's disease</i> F Adams, M Boschmann, E Lobsien, A Lipp, G Franke, MC Leisse, S Gottschalk, J Spranger, A Kupsch, J Jordan Berlin, Germany
09:45 - 10:00	<i>Susceptibility to vasoactive drugs in syndromes with pre- and postganglionic sympathetic denervation</i> A Lipp , P Sandroni, J Gehrking, PA Low Berlin, Germany
10:00 - 10:15	AAS Travel Fellowship Award <i>Eyewitness account of transient loss of consciousness: clue or pitfall?</i> RD Thijs , WA Wagenaar, W Wieling, JG van Dijk Leiden, The Netherlands
10:15 - 10:30	<i>Decrease in splanchnic resistance contributes to the mechanism of simple faint</i> I Taneja , JL Glover, MS Medow, JM Stewart Valhalla, NY, USA
10:30 - 10:45	<i>Supine splanchnic compression enhances cardiovascular recovery from orthostatic hypotension in familial dysautonomia patients</i> MJ Hilz , EC Ehmann, H Marthol, R Baltasdzhieva, S Moeller, FB Axelrod, D Berlin, T Haendl New York, NY, USA & Erlangen, Germany
10:45 - 11:00	<i>Orthostatic stress activates coagulation: a novel physiologic mechanism for hypercoagulation</i> M Masoud , G Sarig, B Brenner, G Jacob Haifa, Israel
11:00 - 11:30	Novartis Lecture - Chair: F Skrabal (Austria) <i>Modern antihypertensive drugs - better control of arrhythmia?</i> A Podczeck-Schweighofer Vienna, Austria
DAVID H. P. STREETEN SESSION	
11:30 - 12:15	Streeten Lecture <i>POTS: Deconditioning, pseudodeconditioning, both or neither</i> M Joyner Rochester, MN, USA
12:15 - 12:30	Streeten Travel Fellowship Award <i>Impact of spinal cord injury on emotion and autonomic function: an exploratory brain functional magnetic resonance imaging study</i> A Nicotra , HD Critchley, RJ Dolan, CJ Mathias London, UK
12:30 - 14:00	Lunch and Poster Session II EFAS Board Meeting
Main Topic V:	Autonomic Failure In Parkinsonism
	Chairs: C Mathias (UK) & P Low (USA)
14:00 - 14:30	<i>Neuropathologic basis of autonomic manifestations of multiple system atrophy and Lewy body disorders</i> E Benarroch Rochester, MN, USA
14:30 - 14:45	<i>Autonomic indices as predictors of worse outcome in multiple system atrophy and Parkinson's disease: a preliminary report</i> A Lipp , P Sandroni, JE Ahlskog, TL Gehrking, RD Fealey, J Gehrking, KK Nickander, D Sletten, W Singer, DM Maraganore, CM Shults, PA Low Berlin, Germany

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14:45 - 15:00	<i>Is Parkinson disease with neurocirculatory failure associated with generalized dysautonomia? Results of neurochemical and neuropharmacologic testing</i> Y Sharabi , R Imrich, BA Eldadah, C Holmes, S Pechnik, DS Goldstein Bethesda, MD, USA
15:00 - 15:30	<i>A double-blind, randomized, placebo-controlled study to determine the efficacy and safety of droxidopa in the treatment of orthostatic hypotension associated with multiple system atrophy or Parkinson's disease</i> CJ Mathias , JM Senard, P Cortelli London, UK
15:30 - 16:00	Novartis Lecture - Chair: W Grisold (Austria) <i>Nonmotor symptoms in Parkinson's disease</i> R Katzenschlager Vienna, Austria
16:00 - 16:30	Break
Main Topic VI: ANS and the Perception of Music	
	Chairs: E Altenmüller (Germany) & T Chelimsky (USA)
16:30 - 16:50	<i>Music or noise: different effects on the ANS</i> J-L Elghozi Paris, France
16:50 - 17:10	<i>The importance of silence in music: effects on the ANS</i> L Bernardi , C Porta, P Sleight Pavia, Italy
17:15 - 17:30	<i>Classical music inducing negative emotions decreases cardiovagal modulation in young healthy persons</i> MJ Hilz , S Wong, S Buechner, B Stemper, MHM Lee, T Gryc, J Nath, L Habib-Romstöck, P Stadler Erlangen, Germany
17:30 - 19:00	AAS Board Meeting
20:00	Gala Dinner at the City Hall of Vienna
	Allergan Lecture with Music Performance <i>Emotional effects of music and its impact on the autonomic nervous system: the "chill effect"!</i> E Altenmüller Hannover, Germany

Friday, 12th Oct.

Main Topic VII:	ANS and Cardio-Respiratory Control
	Chairs: E Benarroch (USA) & H Lahrmann (Austria)
09:00 - 09:30	<i>Respiratory autonomic regulation</i> J Paton London, UK
09:30 - 09:45	<i>Ventilatory drive in patients with multiple system atrophy</i> A Lipp , P Sandroni, B Johnson, PA Low, E Benarroch Berlin, Germany
09:45 - 10:00	<i>Altered control of cerebral circulation in patients with chronic obstructive pulmonary disease: an early sign of functional cardiovascular autonomic dysfunction</i> L Bernardi , G Casucci, T. Haider, E Brandstätter, E Pocceco, I Ehrenbourg, M Burtscher Pavia, Italy
10:00 - 10:15	<i>Role of substance P in the sympathetic activation in postural tachycardia syndrome</i> SR Raj , MV Dzurik, I Biaggioni, BK Black, PA Harris, D Robertson Nashville, TN, USA
10:15 - 10:30	<i>Pharmacological actions of arginine are not consistent with synthesis of nitric oxide</i> WT Talman , JE Langasek Iowa City, IA, USA
10:30 - 11:00	Break AAS General Assembly

Main Topic VIII:	New Developments in Autonomic Testing - From FFT to Wavelet and Beyond
	Chairs: L Bernardi (Italy) & S Carvalho (Portugal)
11:00 - 11:20	<i>HRV analysis and Fourier transform</i> A Diedrich Nashville, TN, USA
11:20 - 11:40	<i>Application of wavelet analysis to HRV data</i> I Rocha Lisbon, Portugal
11:45 - 12:00	<i>Evaluation of a novel non model driven assessment of cardiac autonomic activity: reinnervation after human heart transplantation</i> R Schondorf , J Benoit, M Genoulaz, MJ Lafitte, L Bernardi Monteal, Quebec, Canada
12:00 - 12:15	<i>QDIRT: quantitative direct and indirect testing of sudomotor function</i> CH Gibbons , J Centi, B Illigens, R Freeman Boston, MA, USA
12:15 - 12:30	<i>Recovery by microdialysis of norepinephrine from interstitial fluids and retrorecovery of salicylate is not primarily determined by membrane permeability</i> PJ van Gurp , HA Ross, JWM Lenders, JJ Willemsen, CJ Tack, FCGJ Sweep Nijmegen, The Netherlands
12:30 - 14:00	Lunch and Poster Session III
13:00 - 14:00	Satellite Symposium sponsored by BMEYE - Integrative Physiology in Cardiovascular Medicine: Back to Basics and Beyond <i>The differential effects of hyperventilation on blood pressure regulation in the normal and the failing circulation</i> RD Thijs Lieden, The Netherlands <i>Bedside medicine: symptoms and signs of syncope</i> W Wieling Amsterdam, The Netherlands

Main Topic IX:	Microgravity & POTS
	Chairs: D Robertson (USA) & W Talman (USA)
14:00 - 14:25	<i>Cardiovascular and fluid volume control in microgravity</i> P Norsk Copenhagen, Denmark
14:25 - 14:45	<i>Sympathetic neural control of blood pressure in microgravity</i> T Mano Gifu, Japan
14:45 - 15:00	<i>Effect of vestibular impairment on cerebral blood flow response to dynamic roll tilt</i> JM Serrador , GS Gopalakrishnan, FO Black, LA Lipsitz, SJ Wood Boston, MA, USA
15:00 - 15:15	<i>Does respiratory entrainment prevent motion sickness?</i> A Voustantiounk , L Norcliffe-Kaufmann, M Dai, B Cohen, H Kaufmann New York, NY, USA
15:15 - 15:30	<i>G-Protein coupled receptor antibodies in postural orthostatic tachycardia patients</i> J Tank , K Heusser, A Diedrich, FC Luft, G Wallukat, J Jordan Berlin, Germany
15:30 - 15:45	<i>Melatonin attenuates tachycardia in postural tachycardia syndrome (POTS)</i> SR Raj , I Biaggioni, BK Black, PA Harris, D Robertson Nashville, TN, USA
15:45 - 16:00	<i>'Early' vs 'late' postural tachycardia syndrome: is there a hemodynamic significance?</i> KA Mayuga , K Butters, F Fouad-Tarazi Cleveland, OH, USA
16:00 - 16:30	Break EFAS General Assembly

Main Topic X:	Pain & Peripheral Neuropathies
	Chairs: R Freeman (USA) & P Cortelli (Italy)
16:30 - 17:00	<i>The autonomic face of migraine</i> P Cortelli Bologna, Italy
17:00 - 17:15	<i>Modeling the role of peripheral neuropathy on wound healing</i> CH Gibbons , B Illigens, J Centi, N Wang, R Freeman Boston, MA, USA
17:15 - 17:30	<i>Autonomic dysreflexia, more than just the sympathetic nervous system?</i> JT Groothuis , GA Rongen, J Deinum, ACH Geurts, P Smits, MTE Hopman Nijmegen, The Netherlands
17:30 - 17:45	<i>The immediate effects of IV beta-blockade on cardiac sympathetic nerve activity in the conscious sheep model</i> DL Jardine , CJ Charles Christchurch, New Zealand
17:45 - 18:00	<i>How do QSART and skin biopsy correlate in small fiber neuropathy?</i> KR Chemali , K Anis, N Chemali, L Zhou Cleveland, OH, USA

18:00 **Concluding Remarks & Farewell**

Saturday, 13th Oct.

Postcongress teaching course:
Venue: Kaiser Franz Josef Hospital, Vienna

M. Hiltz (Germany), H. Lahrmann (Austria), W. Struhal (Austria)

09:00 - 13:00 *The autonomic laboratory: Indications, standard tests, interpretation of results and common pitfalls.*

Poster Session I
Wednesday, 10th Oct. 2007
12:00 - 13:30

Age, Sex and the ANS

Poster #1	Endogenous sex hormones modulate cardiovascular response to norepinephrine transporter inhibition in healthy women C Schroeder , I Moldovanova, K Heusser, J Tank, FC Luft, G Jacob, J Jordan Berlin, Germany
Poster #2	Differences in activity of sympathetic nervous system between young males and females Z Melik , K Cankar, N Potocnik Ljubljana, Slovenia

Advances in Baroreflex Research

Poster #3	Evidence for unloading arterial baroreceptors during -15 mmHg lower body negative pressure in humans Q Fu , S Shibata, JL Hastings, A Prasad, BD Levine Dallas, TX, USA
Poster #4	Effects of different levels of dietary sodium intake on baroreflex gain L Beck , F May, M Heer, A Diedrich Cologne, Germany
Poster #5	Autonomic and baroreflex dysfunction in chronic low back pain patients L Diedrich , OY Chung, C Zhou, M Chont, S Bruehl, A Diedrich Nashville, TN, USA
Poster #6	Applicability of recent methods used to estimate spontaneous baroreflex sensitivity to mice D Laude , V Baudrie, J-L Elghozi Paris, France
Poster #7	The calculation of spontaneous arterial baroreflex sensitivity by means of short-term joint analysis of arterial blood pressure and R-R interval beat-to-beat fluctuation in comparison with traditional techniques OV Mamontov, M Bogachov, AO Konradi, EV Shlyakhto Saint-Petersburg, Russia
Poster #8	The trigonometric regressive spectral analysis – evaluation of an innovative technique of baroreflex evaluation J Gasch , H Ruediger, T Ziemssen Dresden, Germany
Poster #9	New test of baroreceptor reflex head down in normal subjects O Benjelloun , S Abouddrar, L Coghlan, M Benomar, H Benjelloun Rabat, Morocco
Poster #10	Carotid baroreceptor reflex function and its dynamics during static muscular effort of migraine patients in headache-free period D Voita , D Jegere, A Vitols Riga, Latvia
Poster #11	Effectiveness of suppression of systolic blood pressure variability by baroreflex N Honzikova , B Fiser, E Zavodna, Z Novakova, A Krticka Brno, Czech Republic
Poster #12	Baroreflex-evoked blood pressure oscillations in rats: the influence of aging and hypertension OS Tarasova , AS Borovik, EV Lukoshkova, NV Tarasova, DK Gainullina, OL Vinogradova Moscow, Russia

Degenerative and Nondegenerative Central ANS Disorders

Poster #13	Heart rate changes during arousal of epileptic nature (paroxysmal arousal) in nocturnal frontal lobe epilepsy (NFLE) patients G Calandra-Buonaura , F Provini, F Bisulli, R Vetrugno, G Plazzi, P Montagna, P Tinuper, P Cortelli Bologna, Italy
Poster #14	Hemispheric location of epileptic foci influences cardiovascular autonomic function: a preliminary study N Choudhary , M Tripathi, S Chandra, A Jaryal, KK Deepak New Delhi, India
Poster #15	Temporal lobe epileptic patients show existence of autonomic oscillation in EEG KK Deepak , M Tripathi, N Choudhary, A Jaryal, S Wankhar, PS Chandra New Delhi, India
Poster #16	Study of the autonomic nervous system in spinocerebellar ataxia type 2 G De Joanna , A De Rosa, E Salvatore, V Manzo, A Filla, G DE Michele

	Naples, Italy
Poster #17	Impairment of autonomic cardiac control in patients with amyotrophic lateral sclerosis S Pavlovic , B Milovanovic, Z Stevic, V Rakocevic-Stojanovic, D Lavnica, S Apostolski, N Milinic Belgrade, Serbia
Poster #18	Autonomic assessment in a patient with mitochondrial neurogastrointestinal encephalopathy - a case report M Santos-Bento , S Garcês, C Marques-Neves, L Silva-Carvalho, I Rocha, JL Ducla-Soares Lisbon, Portugal
Exercise and Integrated Autonomic Physiology <i>Back to index</i>→	
Poster #19	Recovery of heart rate variability and baroreflex sensitivity after maximal exercise is correlated to exercise capacity PPS Soares, K Bousquet Santos, L Protasio, JM Figueiredo, ET Silva Junior, MN Souza, ACL Nóbrega Niteroi, Brazil
Poster #20	Autonomic nervous system and differences between physically trained and sedentary young healthy volunteers K Cankar , Z Melik, N Potocnik Ljubljana, Slovenia
Poster #21	Cardiovascular autonomic regulation after acute sleep deprivation in extreme athletes B Meglic , V Avbelj, L Grosej Dolenc, R Trobec, A Grad Ljubljana, Slovenia
Poster #22	Cardiovascular autonomic responses to acute cold exposure M Mäntysaari , TM Mäkinen, T Pääkkönen, K Tahvanainen, H Rintamäki Helsinki, Finland
Poster #23	Acute hyperthyroidism does not alter sympathetic responses during baroreceptor unloading in humans CL Sauder , Y Nishida, DJ Dyckman, ML Kearney, NT Kuipers, CA Ray Hershey, PA, USA
Poster #24	Cardiovascular modifications during prolonged voluntary apnea M Serra , S Zanigni, G Barletta, D Banal, G Pierangeli, D Cialoni, P Cortelli Bologna, Italy
Poster #25	Changes on facial skin blood flow as response to local heating – a study with laser Doppler flowmetry M Santos-Bento , E Landim, JL Ducla-Soares, L Silva-Carvalho, I Rocha Lisbon, Portugal
Poster #26	Autonomic nervous system, cardiac and local vascular activity during mental stress N Potočnik , K Cankar, Z Melik, V Starc Ljubljana, Slovenia
Poster #27	Stroke volume variations during respiration in healthy supine humans M Elstad , L Walløe Oslo, Norway
Poster #28	Modified handgrip test is useful for cardiovascular autonomic neuropathy recognition A Vitols , D Voita, M Vitola Riga, Latvia
Advances in Autonomic Research	
Poster #29	Characterization of the peripheral osmoreceptor S Markworth , J Jordan, GR Lewin Berlin, Germany
Poster #30	The autonomic nervous system contributes to oxidative stress in obesity C Shibao, A Gamboa , A Diedrich, JD Morrow, I Biaggioni Nashville, TN, USA
Poster #31	Pyridostigmine and intravenous immunoglobulin therapy in experimental autoimmune autonomic ganglionopathy S Mukherjee, S Vernino Dallas, TX, USA
Poster #32	Hypercapnia provokes nitric oxide release in endothelial cells S Hamed , M Masoud, N Lanir, B Brenner, A Roguin, G Jacob Haifa, Israel
Poster #33	Penile but not systemic endothelial function improves with chronic sildenafil treatment in erectile dysfunction (ED) patients Y Vardi, B Appel, L Dayan, Y Ofer, I Gruenwald, G Jacob Haifa, Israel

Poster #34	ECG amplitude relations correlate with emotional personality S Koelsch , A Remppis, D Sammler, S Jentschke, D Mietchen, T Fritz, H Bonnemeier, WA Siebel Leipzig, Germany	Back to index →
Poster #35	Decreased vagal and sympathetic heart rate and blood pressure control in adult onset PHOX2B mutation-confirmed congenital central hypoventilation syndrome A Diedrich , BA Malow, NA Antic, K Sato, DR McEvoy, CJ Mathias, D Robertson, EM Berry-Kravis, DE Weese-Mayer Nashville, TN, USA	
Poster #36	Donepezil reduces cardiovascular risk in Alzheimer diseases K Sato , R Urbano, C Yu, F Yamasaki, Ti Sato, D Robertson, A Diedrich Nashville, TN, USA	
Poster #37	Dynamic retinal vessel analysis as functional parameter of cerebral microcirculation in healthy volunteers and M. Fabry patients H Hanso , F Ziemssen, W Vilser, H Reichmann, T Ziemssen Dresden, Germany	
Poster #38	Serum from patients with dysautonomia alters Schwann cell growth in tissue culture R Lambrecht , K McNeeley, A Alsheklee, T Chelimsky, L Berti-Mattera Cleveland, OH, USA	
Poster #39	Pupil reaction to olfactory and trigeminal stimuli C Schrezenmaier , T Ziemssen, T Hummel Dresden, Germany	
Poster #40	Spontaneous baroreflex sensitivity is increased in non-obese diabetic (NOD) mice AC da Costa Goncalves , J Tank, H-J Partke, R Plehm, A Diedrich, FC Luft, J Jordan, V Gross Berlin, Germany	
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