



Poster Sessions

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Poster Session I	Wednesday, 10 Oct. 2007	12:00 - 13:30	1 - 51
Poster Session II	Thursday, 11 Oct. 2007	12:30 - 14:00	52 - 100
Poster Session III	Friday, 12 Oct. 2007	12:30 - 14:00	101 - 152

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

Age, Sex and the ANS Chair: M Chapleau (USA)

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 Chair: M Chapleau (USA)

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

Chair: JL Ducla Soares (Portugal)

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 Lavrnic, 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

Chair: JL Ducla Soares (Portugal)

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 - Part 1 Chair: B Levine (USA)	
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
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 Alshekhlee, 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
Advances in Autonomic Research - Part 2 Chair: D Goldstein (USA)	
Poster #41	Effects of Tai Chi and Chi Kung on rate pressure product and autonomic modulation MN Bartels , MA Figueroa, C Hass, A Layton, RE De Meersman New York, NY, USA
Poster #42	The effects of acupuncture on autonomic modulation MN Bartels , R Carpenter, J Dillard, AS Zion, RE DeMeersman, JA Downey New York, NY, USA
Poster #43	Validation of the Slovene version of the International Consultation on Incontinence Questionnaire - Short Form (ICIQ-UI Short Form) M Rotar , B Trsinar, M Barbic, A Sedlar, J Gruden, DB Vodusek Ljubljana, Slovenia
Poster #44	Cardiovascular responses to ingesting soft drinks in humans – the contribution of fructose CM Brown , G Yepuri, AG Dulloo, J-P Montani Fribourg, Switzerland
Poster #45	Effects of water drinking on cardiovascular response to supine exercise and exercise-enhanced orthostatic hypotension in pure autonomic failure AM Humm , LM Mason, CJ Mathias Bern, Switzerland
Poster #46	Pressor effect of water, but not of clear soup in multiple system atrophy WJ Z'Graggen, CW Hess, AM Humm Bern, Switzerland
Poster #47	Orthostatic hypotension precedes postprandial hypotension in multiple system atrophy (MSA)? Y Hasegawa , Y Niimi, T Yanagi, A Takahashi Nagoya, Japan
Poster #48	Regional cerebral oxygen saturation after head-up tilt in patients with acute phase of stroke T Ieda , Y Hirano, N Ishida, R Kodama, N Nakamura, T Yamawaki, S Noda, N Iwade Yokkaichi, Japan
Poster #49	Evidence of an intrinsic spinal pacemaker for cardiovascular regulation in tetraplegia: a case study JM Wecht , JP Weir, WA Bauman Bronx, NY, USA
Poster #50	Clinical correlates of frequency analyses of cardiovascular control after spinal cord injury VE Claydon , AV Krassioukov Vancouver, BC, Canada
Poster #51	Autonomic dysfunction in multiple sclerosis patients with mild disability and spinal cord lesions: reality or myth? A Krassioukov , G Vorobeychik, J Nelson, J Spring, N Beauregard, C Bozek Vancouver, BC, Canada

Poster Session II
Thursday, 11th Oct. 2007
12:30 - 14:00

Autonomic Abnormalities in Parkinson's Disease

Chair: T Thomaides (Greece)

Poster #52	Orthostatic hypo- and hypertension in idiopathic Parkinson's disease Y Niimi , Y Hasegawa, H Doia, S Sasa, S Miwa, T Yamana, S Takagi, Y Koike, A Takahashi Nagoya, Japan
Poster #53	Relationships of nigral with striatal and cardiac catecholaminergic denervation in Parkinson disease DS Goldstein , O Benthoo, R Imrich, C Holmes, T Sato, JP Moak, Y Sharabi, S Conant, BA Eldadah Bethesda, MD, USA

Poster #54	The effects of Parkinson's disease on autonomic modulation and ratings of perceived exertion AM Layton , C Haas, L Cherry, RE De Meersman, MN Bartels New York, NY, USA
Poster #55	Reduced cardiac autonomic responses to orthostatic stress in Parkinson's disease patients with falls M Tutaj , A Kyrzcz, H Czarkowska, G Kopeć, M Ficek, K Pasternak, S Bukowczan, M Motyl, M Rudzińska, A Szczudlik Kraków, Poland
Poster #56	Parasympathetic reflex tests in parkinsonian patients SR De Luka , B Milovanovic, M Svetel, T Pekmezovic, VS Kostic Belgrade, Serbia
Poster #57	Effects on cardiovascular and sympathetic skin regulation of subthalamic nucleus deep brain stimulation (STN-DBS) in Parkinson's disease N Casula , JG Capone, M Sensi, R Quatrate, MR Tola, V Tugnoli Ferrara, Italy

PAF, MSA and Other Synucleinopathies

Chair: T Thomaides (Greece)

Poster #58	Clinical characteristics in pure autonomic failure: a retrospective evaluation in a series of 74 patients M Asahina , CJ Mathias, Y Yamanaka, Y Akaogi, T Hattori Chiba, Japan
Poster #59	Involvement of mesopontine cholinergic neurons in dementia with Lewy bodies and multiple system atrophy AM Schmeichel , LC Buchhalter, PA Low, JE Parisi, BW Boeve, EE Benarroch Rochester, MN, USA
Poster #60	MIBG myocardial scintigraphy in Parkinson's disease and its related diseases Y Fujioka , K Yasui, Y Hasegawa, T Yanagi, A Takahashi Nagoya, Japan
Poster #61	Diffusion weighted imaging best discriminates PD from MSA-P: a comparison with MIBG scintigraphy M Köllensperger , K Seppi, C Liener, S Boesch, D Heute, KJ Mair, J Mueller, M Sawires, C Scherfler, MF Schocke, E Donnemiller, I Virgolini, GK Wenning, W Poewe Innsbruck, Austria
Poster #62	Is ambulatory blood pressure monitoring useful in patients with chronic autonomic failure? L Norcliffe-Kaufmann , S Lenina, MJ Tellez, A Voustantiounk, H Kaufmann New York, NY, USA
Poster #63	The value of autonomic function screening tests in pure autonomic failure and multiple system atrophy S Sucharita , D Glesni, LP Watson, K Bleasdale-Barr, L Mason, H Roberts, I Skeavington, M Asahina, CJ Mathias London, UK
Poster #64	Passive head-up tilt versus active standing in the diagnosis of multiple system atrophy (MSA) MJ Tellez , A Voustantiounk, S Lenina, L Norcliffe-Kaufmann, H Kaufmann New York, NY, USA
Poster #65	Nocturnal blood pressure dipping in patients with autonomic failure and supine hypertension. LE Okamoto , C Shibao, A Gamboa, BK Black, SR Raj, D Robertson, I Biaggioni Nashville, TN, USA
Poster #66	Nitric oxide potentiation by sildenafil in treatment of the hypertension in autonomic failure A Gamboa , C Shibao, A Diedrich, B Black, SR Raj, D Robertson, I Biaggioni Nashville, TN, USA
Poster #67	Pupil diameter in darkness differentiates progressive supranuclear palsy (PSP) from other extrapyramidal syndromes C Schmidt, B Herting, S Prieur, S Junghanns, K Schweitzer, C Globas, L Schöls, S Antoni, D Ferger, H Reichmann, H Wilhelm, D Berg, T Ziemssen Dresden, Germany

Neurally-Mediated Syncope

Chair: A Grad (Slovenia)

Poster #68	Norepinephrine transporter inhibition during hypergravitational stress S Strempel, C Schroeder , R Hemmersbach, A Boese, J Tank, FC Luft, J Jordan Berlin, Germany
Poster #69	Does tilt-induced neurally mediated syncope occur without bradycardia? MJ Tellez , L Norcliffe-Kaufmann, S Lenina, A Voustantiounk, H Kaufmann New York, NY, USA
Poster #70	Quality of life in patients with reflex-mediated syncope is better than in patients with ill-defined transient loss of consciousness N Bizovicar, M Hajdinjak, B Meglic, A Grad Ljubljana, Slovenia
Poster #71	Tilt-induced syncope with prolonged asystole due to av-block without junctional rhythm M Stampfer-Kountchev , GK Wenning Innsbruck, Austria
Poster #72	The relative importance of heart rate and blood pressure in the prediction of vasovagal syncope N Virag , R Vetter, M Erickson, T Markowitz, R Sutton Tolochenaz, Switzerland
Poster #73	Responses to tilt testing in responders and non-responders to advice therapy for vasovagal syncope P Fuentealba , VL Cooper, SJ McIntosh Leeds, UK
Poster #74	The changes in heart rate variability and baroreflex sensitivity parameters during head up tilt table test in children with syncope S Rakic , B Milovanovic, V Vukomanovic, J Kosutic, V Kuburovic, S Prijic Belgrade, Serbia
Poster #75	Chronotropic incompetence during tilt-table testing could indicate sinus node dysfunction LE Medina , W Uribe, J Marin, E Gonzalez, G Montero, D Bravo, MA Restrepo, M Jiménez, D Aristizabal, M Duque Medellin, Colombia
Poster #76	Tilt training therapy increases the vasoconstrictor reserve in patients with neurally mediated syncope and a positive head-up tilt test B Verheyden , F Beckers, H Ector, AE Aubert, T Reybrouck Leuven, Belgium

Music and Autonomic Rhythms

Chair: A Grad (Slovenia)

Poster #77	Tuba players may reproduce a Valsalva maneuver while playing high notes A Girard, P Fritsch, D Laude, JL Petitprez, JL Elghozi Paris, France
Poster #78	Music and the autonomic nervous system: effects of emotional valence R Enk , S Koelsch Leipzig, Germany

New Methods in ANS Investigations

Chair: J Steward (UK)

Poster #79	Evaluation of a novel non model driven assessment of cardiac autonomic activity: effects of selective pharmacological blockade R Schondorf , J Benoit, M Genoulaz, MJ Lafitte, JA Taylor Montreal, Quebec, Canada
Poster #80	Validation of a generalized transfer function to derive central blood pressure during baroreflex testing P Studinger , I Ungi, Z Földes-Lénárd, B Mersich, L Rudas, M Kollai Budapest, Hungary
Poster #81	Heart rate variability does not track vagotonic effects of atropine on heart period JA Taylor , G Picard, CO Tan Boston, MA, USA
Poster #82	Wavelet analysis for the evaluation of cardiovascular autonomic nervous response to postural change in healthy subjects in relation to age M Oliveira , M Santos-Bento, R Xavier, I Rocha, J-L Ducla-Soares, R Ferreira, L Silva-Carvalho Lisbon, Portugal
Poster #83	Wavelet analysis for the evaluation of autonomic nervous system during orthostatic stress in paroxysmal atrial fibrillation

	M Oliveira , J Feliciano, N da Silva, S Alves, R Xavier, I Rocha, L Silva-Carvalho, R Ferreira Lisbon, Portugal
Poster #84	Acute psychosis leads to increased QT variability in patients suffering from schizophrenia K-J Baer , MK Boettger, S Berger, A Voss, VK Yeragani Jena, Germany
Poster #85	Analysis of heart rate variability in ovo-lactovegetarians, vegans and omnivores T Princi , M Fonda, I Fabbro, D Peterec, A Accardo, L Cattin Trieste, Italy
Poster #86	Heart rate complexity of MSA patients evaluated by multiscale entropy S Laranjo , M Santos-Bento, J-L Ducla-Soares, L Silva-Carvalho, I Rocha Lisbon, Portugal
Poster #87	Influence of ECG sampling frequency on spectral analysis of RR intervals and baroreflex sensitivity using the EUROBAVAR data set T Ziemssen , J Gasch, M Suess, F Suess, H Ruediger Dresden, Germany
Poster #88	Different pattern and magnitude in sympathetic and vagal modifications attending gravitational stimulus, as assessed by symbolic analysis of heart rate variability A Porta, T Gnechchi-Ruscione, F Barbic , E Tobaldini, S Guzzetti, N Montano, R Furlan Milan, Italy

OH Syndromes and Diabetes

Chair: J Gilden (USA)

Poster #89	FMS Penaz-Wesseling Travel Fellowship Award Severe orthostatic hypotension may be asymptomatic S Arbogast , Z Hussain, A Alsheklee, K McNeeley, TC Chelimsky Cleveland, OH, USA
Poster #90	Hemodynamic response to glucose challenge in younger patients with neurogenic orthostatic hypotension JL Gilden , A Garbharran, N Shukla, S Patel, P Patil, J Shah, SP Singh North Chicago, IL, USA
Poster #91	Does essential or primary hypotension matter? LE Medina , W Uribe, M Duque, E Gonzalez, G Montero, D Bravo, MA Restrepo, M Jiménez, D Aristizabal, Y Torres, J Marin Medellin, Colombia
Poster #92	Autonomic failure as complication of Arnold Chiari malformation with syringobulbia N Casula , JG Capone, MR Tola, V Tugnoli Ferrara, Italy
Poster #93	Population characterization according to blood pressure. Are essential hypotensives different from other blood pressure groups? LE Medina , J Marin, W Uribe, M Duque, E Gonzalez, G Montero, D Bravo, MA Restrepo, M Jiménez, D Aristizabal Medellin, Colombia
Poster #94	Cerebral autoregulation is compromised in patients with early stage type 2 diabetes mellitus H Marthol , U Zikeli, CM Brown, S Schwab, MJ Hilz Erlangen, Germany
Poster #95	Interest of pupillary autonomic neuropathy assessment in insulin-dependent diabetes mellitus A Pavy-Le Traon , B Guidolin, S Fontaine, F Calvas, M Galitsky, H Hanaire, C Thalamas, JM Senard Brest, France
Poster #96	Dynamic cerebral autoregulation in uncomplicated type 2 diabetes mellitus YS Kim , RV Immink, WJ Stok, JM Karemaker, JJ van Lieshout Amsterdam, The Netherlands
Poster #97	Preserved heart rate variability in first-degree relatives of subjects with type 2 diabetes mellitus without metabolic disorders FJ Neves, K Bousquet-Santos, BM Silva, PPS Silva, ACL Nóbrega Niteroi, Brazil
Poster #98	Peripheral autonomic dysfunction precedes structural abnormalities in diabetic small fiber neuropathy

	CH Gibbons , J Centi, AT Nguyen, R Freeman Boston, MA, USA
Poster #99	Ventricular repolarization abnormalities in diabetic type 1 patients with and without autonomic dysfunction B Meglic , M Hajdinjak, V Avbelj, R Trobec, A Grad Ljubljana, Slovenia
Poster #100	Cardiovascular autonomic function in patients with type 2 diabetes mellitus and metabolic syndrome ZR Rasic-Milutinovic , G Perunicic-Pekovic, D Milicevic, B Milovanovic Belgrade, Serbia

Poster Session III
Friday, 12th Oct. 2007
12:30 - 14:00

Pediatric Autonomic Disorders

Chair: G Chelimsky (USA)

Poster #101	A potential modifier of genetic expression in familial dysautonomia: kinetin, its pharmacokinetics and short-term effects on mRNA splicing in FD carriers FB Axelrod, G Gold-von Simson , J Mull, M Leyne, SA Slangenaupt New York, NY, USA
Poster #102	Prevalence and severity of renal disease in familial dysautonomia G Gold-von Simson , L Elkayam, A Matalon, CH Tseng, FB Axelrod New York, NY, USA
Poster #103	Normal reference ranges for orthostatic changes in heart rate and blood pressure in adolescents J Skinner , S Driscoll, P Fischer, C Brands, N Kuntz, P Pianosi, DE Nelson, C Porter, B Burkhardt Rochester, MN, USA
Poster #104	Head-up tilt testing in children and young people J Murfitt , H Vyas, W Whitehouse Nottingham, UK
Poster #105	Comparison of cardioregulatory responses in pediatric migraine and syncope. The Autonomic Involvement in Migraine and Syncope (AIMS) Study LP Richer , KM Laycock, T Rajapakse, L Graham, Z Siddiqi Edmonton, Alberta, Canada
Poster #106	Autonomic response to psychological stress in children with chronic abdominal pain M Puzanovova , A Diedrich, PG Arbogast, CA Smith, LS Walker Nashville, TN, USA
Poster #107	Autonomic features of abdominal migraine in children G Chelimsky , S Safder, K McNeeley, T Chelimsky Cleveland, OH, USA

Microgravity and the ANS

Chair: N Charkoudian (USA)

Poster #108	Microgravity induced orthostatic hypotension and effect of transcranial electrical stimulation A Krassioukov , O Tarasova, A Borovik, D Tsvirkoun, V Lebedev, J Steeves Vancouver, BC, Canada
Poster #109	Autonomic reactivity in space and ground studies: a dual effect of stress and the need for respiratory control N Pattyn , P-F Migeotte, X Neyt, R Cluydts Brussels, Belgium
Poster #110	Systemic and regional manifestations of disturbed sympathetic regulation of vascular tone in rats under simulated microgravity OL Vinogradova , AS Borovik, VU Kalenchuk, OS Tarasova Moscow, Russian Federation
Poster #111	Muscle transverse stiffness and central and peripheral parameters of circulation under conditions of simulated supportlessness IB Kozlovskaya , DV Popov, IV Saenko, OL Vinogradova Moscow, Russian Federation

ANS in Hypertension, Heart Failure and Other Cardiovascular Diseases

Chair: N Fouad (USA) & B Milovanovic (Serbia)

Poster #112	Heart rate recovery after mental stress test is impaired in healthy relatives of hypertensive patients AS Coimbra, M Magalhaes, RRT Castro, PP Silva, S Pedrosa, ACL Nóbrega Rio de Janeiro, Brazil
Poster #113	Assessment of baroreflex sensitivity in hypertensive patients with obstructive sleep apnea K Kitaleeva, M Viazminova, Y Sviryaev, O Rotar, N Zvartau, I Emelyanov , A Conrady, A Kalinkin Saint-Peterburg, Russia
Poster #114	Blood pressure reactions and baroreflex sensitivity during emotional stress in patients with essential hypertension IV Emelyanov , FK Gugova, AO Konradi Saint-Petersburg, Russia
Poster #115	Haemodynamics and autonomic nervous system function in patients with essential hypertension A Bezan , G Gratze, H Pessenhofer, F Skrabal Graz, Austria
Poster #116	Are there differences in the variables hemoglobin, hematocrit and ferritin between normotensive patients and essential hypertensives and hypotensives? LE Medina , M Duque, J Marin, E Gonzalez, G Montero, D Bravo, MA Restrepo, M Jiménez, D Aristizabal, W Uribe Medellin, Colombia
Poster #117	Candesartan on the top of standard therapy decrease sympathetic activity in patients with advanced heart failure: pilot study F Despas, E Guerrierro, M Galinier, JM Senard , A Pathak Toulouse, France
Poster #118	Combination of B-type natriuretic peptide and MIBG wash out rate improves risk stratification in patients with advanced heart failure F Despas, R Cagnac, E Guerrierro, JM Senard , M Galinier, A Pathak Toulouse, France
Poster #119	Cholinergic stimulation with pyridostigmine improves the chronotropic response during exercise and heart rate recovery in heart failure patients SM Serra, R Vivacqua, SS Xavier, ACL Nóbrega Rio de Janeiro, Brazil
Poster #120	Cardiac sympathetic denervation detected by enhanced 123I-metaiodobenzylguanidine (MIBG) washout in heart failure patients with impaired autonomic function AS Coimbra, SM Miranda, RRT Castro, M Magalhaes, JC Azevedo, P Lavatori, CT Mesquita, ACL Nóbrega Rio de Janeiro, Brazil
Poster #121	Takotsubo cardiomyopathy – a beta receptor-mediated disorder? RK Khurana , L Agarunov, P Sloane Baltimore, MD, USA
Poster #122	Nocturnal oxyhaemoglobin desaturation and ventricular arrhythmias in patients after myocardial infarction B Pencic , M Dekleva, V Celic, Z Rasic, B Milovanovic Belgrade, Serbia
Poster #123	Early autonomic dysfunction in acute myocardial infarction patients involves both autonomic activity and reactivity KK Deepak , K Madan, A Agarwal, N Pandit, A Jaryal, A Roy, RM Pandey, D Prabhakaran, SK Reddy New Delhi, India
Poster #124	Unmasking of the correlation between autonomic drive to myocardium and blood vessels in patients of acute myocardial infarction K Madan , A Jaryal, A Roy, N Pandit, D Prabhakaran, SK Reddy, KK Deepak New Delhi, India
Poster #125	Effect of presence of angina like symptoms on heart rate variability in patients with diabetes mellitus R Khadka , R Narang, CD Patel, A Jaryal, KK Deepak New Delhi, India
Poster #126	Cardiac vagal denervation due to radiofrequency catheter ablation for atrial fibrillation – case report

	J Galuszka , J Zapletalová, J Lukl Olomouc, Czech Republic
Poster #127	Impact of continuous positive air-ways pressure therapy on the heart rate variability parameters in patients with obstructive sleep apnea syndrome J Galuszka , M Hobzová, J Zapletalová, E Sovová, J Lukl Olomouc, Czech Republic
Poster #128	Association between autonomic dysfunction and inflammation in hemodialysis patients G Perunicic-Pekovic , Z Rasic-Milutinovic, B Milovanovic, S Pljesa, A Cavala, Lj Lambic Belgrade, Serbia
Poster #129	Influence of bariatric surgery on indices of cardiac autonomic control I Alam, MJ Lewis , KE Lewis, S Hilldrup, JW Stephens, JN Baxter Swansea, UK

Postural Tachycardia Syndrome

Chair: N Charkoudian (USA)

Poster #130	Autonomic dysregulation in young healthy subjects OV Mamontov, MV Vyazmenova , AO Konradi, EV Shlyakhto Saint-Petersburg, Russia
Poster #131	Neurohumoral regulation of hemodynamics during 2-hour standing in postural orthostatic tachycardia syndrome Q Fu , S Shibata, TB VanGundy, JL Hastings, GH Williams, BD Levine Dallas, TX, USA
Poster #132	Variability of standing heart rate in the postural tachycardia syndrome: circadian rhythms versus placebo effect SR Raj , I Biaggioni, BK Black, PA Harris, D Robertson Nashville, TN, USA
Poster #133	Cutaneous neuronal nitric oxide is specifically decreased in postural tachycardia syndrome I Taneja , MS Medow, CT Minson, JM Stewart Valhalla, NY, USA
Poster #134	Reduced body mass index is associated with increased angiotensin-II in young women with postural tachycardia syndrome MS Medow , I Taneja, JM Stewart Valhalla, NY, USA
Poster #135	Reduced central blood volume and cardiac output, and increased vascular resistance during static handgrip exercise in POTS JM Stewart , I Taneja, MS Medow Valhalla, NY, USA
Poster #136	Validation of a questionnaire instrument to diagnose postural tachycardia syndrome (POTS) A Ojha, K McNeeley, A Alsheklee, G Chelimsky, T Chelimsky Cleveland, OH, USA
Poster #137	The importance of arterial hypotension in the chronic fatigue syndrome LE Medina , W Uribe, J Marin, E Gonzalez, G Montero, D Bravo, MA Restrepo, M Jiménez, M Duque, D Aristizabal Medellin, Colombia

Skin, and Peripheral Autonomic Physiology and Pathology

Chair: C Gibbons (USA)

Poster #138	The cutaneous architecture of autonomic nerve fiber innervation CH Gibbons , N Wang, B Illigens, J Centi, R Freeman Boston, MA, USA
Poster #139	Phantom sweating - a novel autonomic paresthesia LL Lair , C Gibbons, R Freeman Boston, MA, USA
Poster #140	Heat-provoked skin vasodilatation response in patients with subacute myelo-optico-neuropathy (SMON) Y Yamanaka , M Asahina, Y Akaogi, T Hattori Chiba, Japan
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